SpektraLED

MEHR LICHT FÜR WENIGER ENERGIE

ADVANCED

Professionell & ECO

Katalog 2020

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SpektraLED
MEHR LICHT FÜR WENIGER ENERGIE

RECESSED LUMINAIRES PROFESSIONELL

RECESSED LUMINAIRES ECO

SURFACED AND SUSPENDED LUMINAIRES PROFESSIONELL

SURFACED AND SUSPENDED LUMINAIRES ECO

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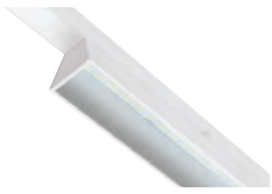

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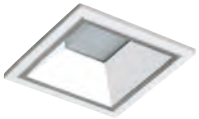

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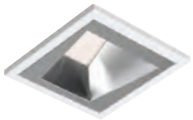

DOWNLIGHTS ECO

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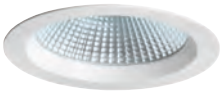

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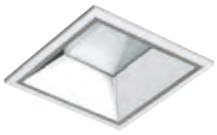

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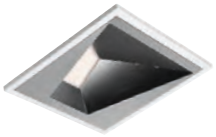

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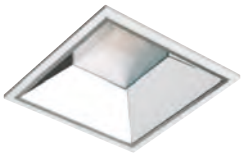
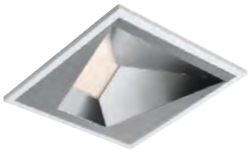


NOVIEL L ASYM 126/127



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TRACKLIGHTS AND SPOTLIGHTS ECO

LUMINAIRES WITH HIGH PROTECTION DEGREE PROFESSIONELL

LUMINAIRES WITH HIGH PROTECTION DEGREE ECO

POST-TOP AND SIDE-ENTRY MOUNTING PROFESSIONELL

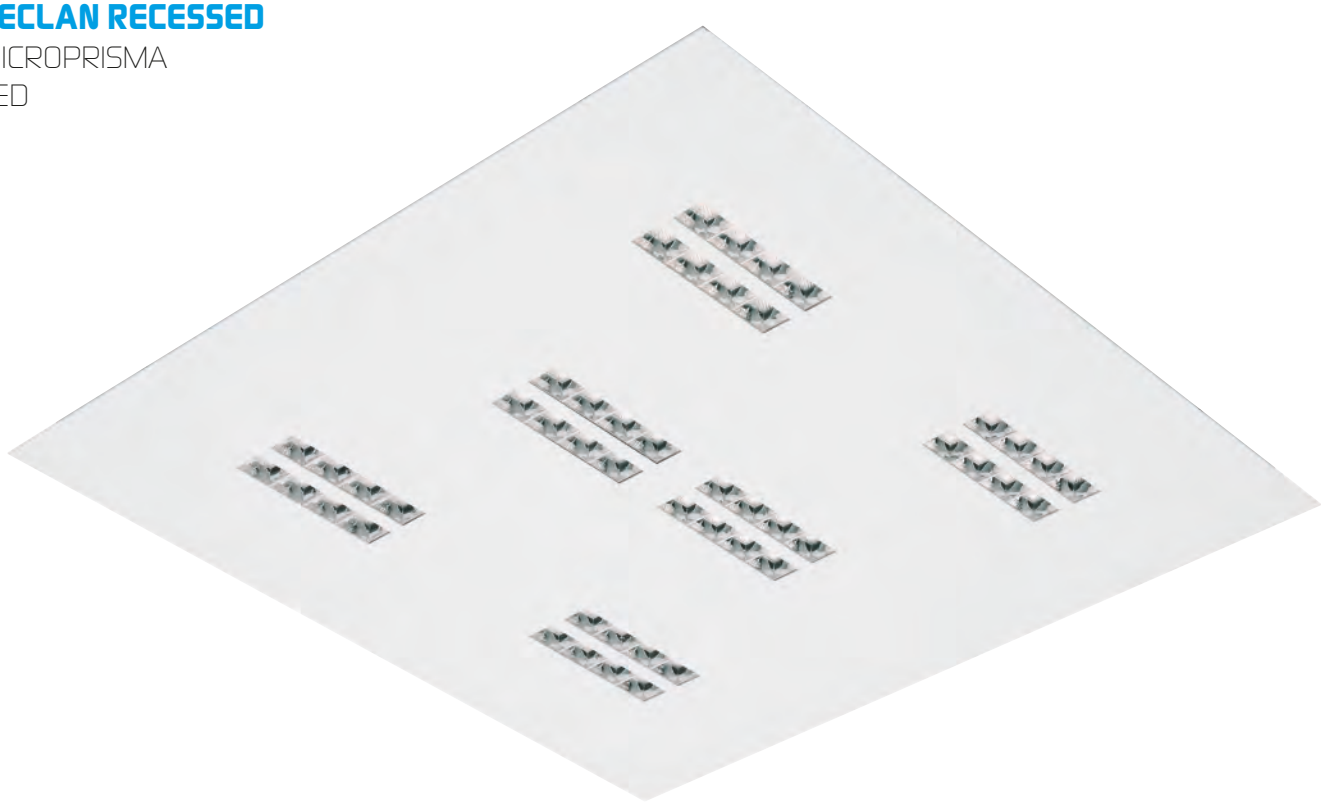
POST-TOP AND SIDE-ENTRY MOUNTING ECO

PROFESSIONELL

RECESSED LUMINAIRES

DECLAN RECESSED

MICROPRISMA
LED



DECLAN RECESSED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K
CCT 4000 K | ECG | EDA DALI | EMERGENCY
IP 20 | IP 40

DE

Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
PBx - Rigips Decke
Lichtquelle
LED
Optisches System
Diffusor + Reflektor (MCL)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Reflektor: metallisiertes Polykarbonat
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +40 °C
(von +5°C mit Notbeleuchtung)

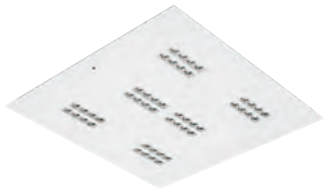
EN

Mounting
Ceiling recessed
PVx/PRx - T-ceiling
PBx - Plasterboard ceiling
Light source
LED
Optical system
Difuser + reflector (MCL)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Reflector: polished metallished polycarbonate
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +40 °C
(from +5°C with EM unit)

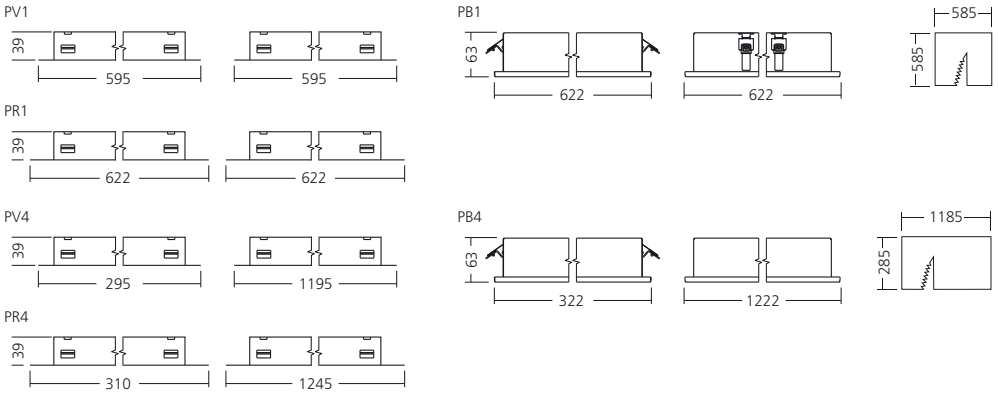
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

PV4

PV1 EM



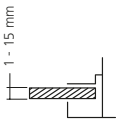
PB4



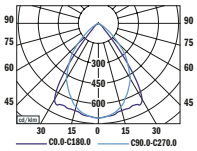
MOUNTING

PV (CEILING 600 x 600)

PR (CEILING 625 x 625)



PHOTOMETRY



DECLAN PV1
3800 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
DECLAN PV/PR/PB1	3700	33	112	80+	3000	74°	310	5.9
DECLAN PV/PR/PB1	3800	33	115	80+	4000	74°	330	5.9
DECLAN PV/PR/PB4	3700	33	112	80+	3000	74°	310	5.7
DECLAN PV/PR/PB4	3800	33	115	80+	4000	74°	330	5.7

Luminous flux tolerance +/- 10%.

PROFESSIONELL

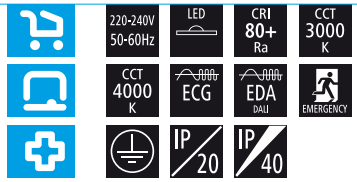
RECESSED LUMINAIRES

BATEN

OPAL

LED

BATEN



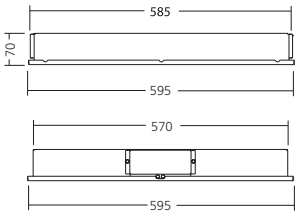
DE

Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
PBx - Rigips Decke
Lichtquelle
LED
Optisches System
Opal Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Kühlkörper: Aluminium
Diffusor: Opal PMMA
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B20 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

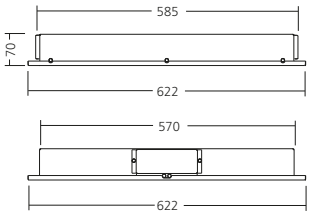
EN

Mounting
Ceiling recessed
PVx/PRx - T-ceiling
PBx - Plasterboard ceiling
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Heatsink: aluminium
Diffuser: opal PMMA
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B20 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

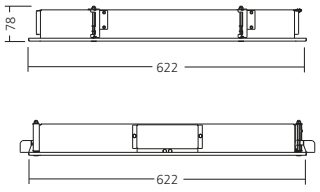
PV1



PR1



PB1



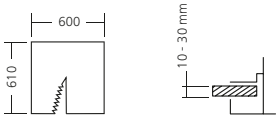
PV1

MOUNTING

PV (CEILING 600 x 600)

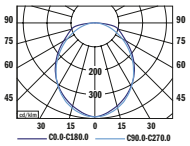
PR (CEILING 625 x 625)

PB



PR1

PHOTOMETRY



BATEN
3250 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
BATEN	3450	32	108	80+	3000	99°	370	4.7
BATEN	3650	32	114	80+	4000	99°	380	4.7

Luminous flux tolerance +/- 10%.

PROFESSIONELL

RECESSED LUMINAIRES

FREYN II RECESSED

MICROPRISMA

LED

FREYN II RECESSED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20 | IP40

DE

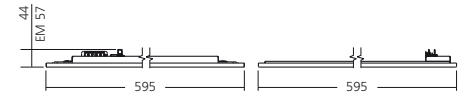
Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: PMMA
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Rahmen für Gipskarton -Installation
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

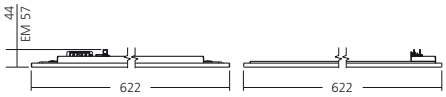
Mounting
Ceiling recessed
PVx/PRx - T-ceiling
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Frame for plasterboard installation
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

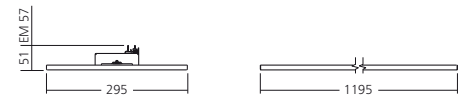
PV1



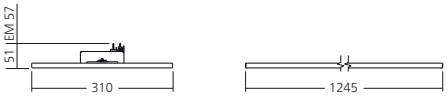
PR1



PV4



PR4



PV1

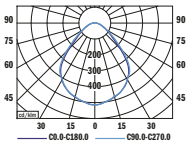
PV4

MOUNTING

PV (CEILING 600 x 600)

PR (CEILING 625 x 625)

PHOTOMETRY



FREYN II PV1
4250 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

FRAME FOR PLASTERBOARD INSTALLATION (PB1)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
FREYN II PV/PR1	3000	22	136	80+	3000	85°, 89°	410	3.1
FREYN II PV/PR1	3100	22	141	80+	4000	85°, 89°	420	3.1
FREYN II PV/PR1	4100	31	132	80+	3000	85°, 89°	410	3.1
FREYN II PV/PR1	4250	31	137	80+	4000	85°, 89°	420	3.1
FREYN II PV/PR4	3000	22	136	80+	3000	84°, 87°	410	3.3
FREYN II PV/PR4	3100	22	141	80+	4000	84°, 87°	420	3.3
FREYN II PV/PR4	4100	31	132	80+	3000	84°, 87°	410	3.3
FREYN II PV/PR4	4250	31	137	80+	4000	84°, 87°	420	3.3

Luminous flux tolerance +/- 10%.

PROFESSIONELL

RECESSED LUMINAIRES

GACRUX XTP

OPAL / MICROPRISMA
LED

GACRUX XTP

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 54

DE

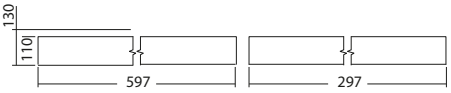
Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
Lichtquelle
LED
Optisches System
Opaler/mikroprismatischer Diffusor (OPD/MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX//DALI (ECG/EDA)
Externes Anschlusskabel
Material
Körper: Stahlblech
Diffusor: PMMA
Rahmen: Stahlblech
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

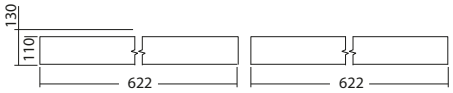
Mounting
Ceiling recessed
PVx/PRx - T-ceiling
Light source
LED
Optical system
Opal/microprismatic diffuser (OPD/MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
External lead-in flexible cable
Materials
Housing: sheet steel
Diffuser: PMMA
Frame: sheet steel
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

PV1

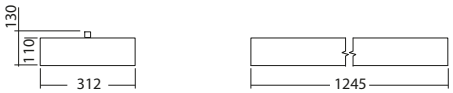


PR1



PV4

PR4



PV1

OPAL ODM

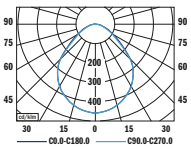
MICROPRISMATIC MCD

MOUNTING

PV (CEILING 600 x 600)

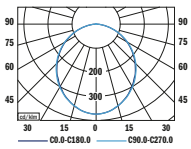
PR (CEILING 625 x 625)

PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

GACRUX XTP PV1 MCD
3950 lm 4000 K



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

GACRUX XTP PV1 OPD
4350 lm 4000 K

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
GACRUX PV/PR1 MCD	3500	40	88	80+	3000	94°	8.1
GACRUX PV/PR1 MCD	3950	40	99	80+	4000	94°	8.1
GACRUX PV/PR1 OPD	3850	40	96	80+	3000	107°	8.1
GACRUX PV/PR1 OPD	4350	40	109	80+	4000	107°	8.1
GACRUX PV/PR4 MCD	3000	39	77	80+	3000	93°	9.6
GACRUX PV/PR4 MCD	3350	39	86	80+	4000	93°	9.6
GACRUX PV/PR4 OPD	3450	39	88	80+	3000	106°	9.6
GACRUX PV/PR4 OPD	3900	39	100	80+	4000	106°	9.6

Luminous flux tolerance +/- 10%.

PROFESSIONELL

RECESSED LUMINAIRES

RELAX H LED

PAR MAT-V2

LED

RELAX H LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

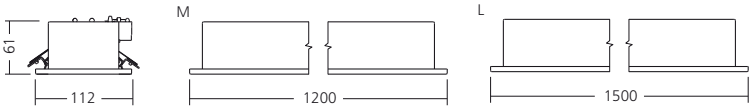
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

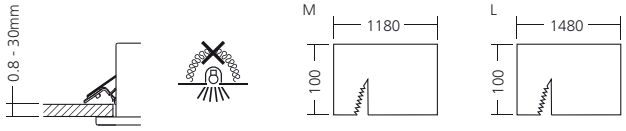
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

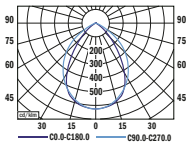
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING

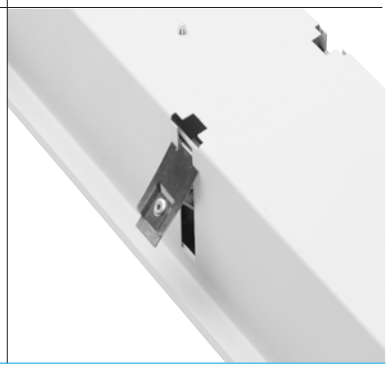


PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19/<22

RELAX H LED L
6700 lm 4000 K



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
RELAX H LED M	2200	21	105	80+	3000	70°, 88°	2.3
RELAX H LED M	2300	21	110	80+	4000	70°, 88°	2.3
RELAX H LED M	5500	49	112	80+	3000	70°, 88°	2.3
RELAX H LED M	5750	49	117	80+	4000	70°, 88°	2.3
RELAX H LED L	4850	42	115	80+	3000	70°, 88°	2.8
RELAX H LED L	5100	42	121	80+	4000	70°, 88°	2.8
RELAX H LED L	6400	56	114	80+	3000	70°, 88°	2.8
RELAX H LED L	6700	56	120	80+	4000	70°, 88°	2.8

Luminous flux tolerance +/- 10%.

PROFESSIONELL

RECESSED LUMINAIRES

EDAN RECESSED

MATT

LED

EDAN RECESSED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asymmetrisch matter Reflektor (ASM)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Reflektor: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

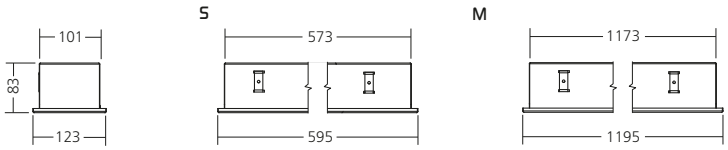
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Asymmetric matt reflector (ASM)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Reflector: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

S

M

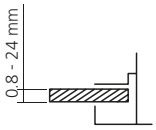


PB

MOUNTING

PV
(CEILING 600 x 600)

RCB



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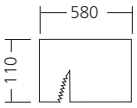
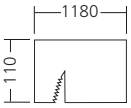
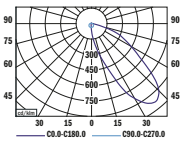


M



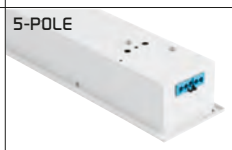
PHOTOMETRY



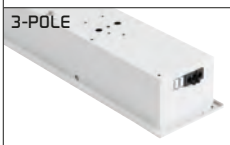
EDAN RECESSED M
3700 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

5-POLE



3-POLE



TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
EDAN RECESSED S	2300	24	96	80+	3000	2.0
EDAN RECESSED S	2400	24	100	80+	4000	2.0
EDAN RECESSED M	3700	37	100	80+	3000	3.5
EDAN RECESSED M	3800	37	103	80+	4000	3.5

Luminous flux tolerance +/- 10%.

RECESSED LUMINAIRES

SANA

MICROPRISMA
LED

SANA

Recessed/Surfaced/Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20 | IP40

DE

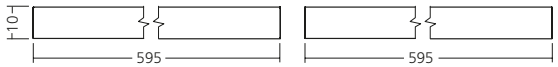
Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: aluminium
Diffusor: Polykarbonat
Oberflächenveredelung
Körper: weiss RAL 9016
Zubehör
Rahmen für Gipskarton - Installation
Rahmen für tauchte Installation
Seilaufhängung
Lebensdauer
50,000 hours/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

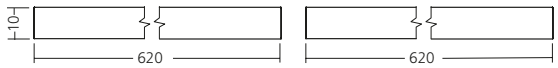
Mounting
Ceiling recessed
PVx/PRx - T-ceiling
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: aluminium
Diffuser: polycarbonate
Surface finish
Housing: white RAL 9016
Accessories
Frame for plasterboard installation
Frame for surfaced installation
Rope suspension
Service lifetime
50,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

PV1

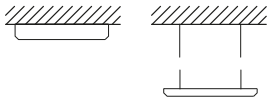


PR1



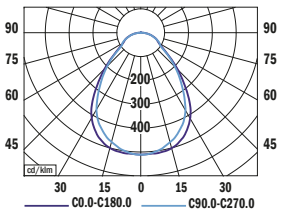
ECG/DALI

MOUNTING



PV CEILING (600 x 600)

PR CEILING (625 x 625)



SANA PV1
3800 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

SANA RECESSED

FRAME FOR PLASTERBOARD INSTALLATION (PB1)

FRAME FOR SANA SURFACED INSTALLATION

SANA SUSPENSION

TYPE	NET LUMEN OUTPUT (at Ta = 25°C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
SANA PV/PR1	3800	34	112	80+	4000	84°, 80°	260	4.0

Luminous flux tolerance +/- 10%

RECESSED LUMINAIRES

RELAX A1 / A2 / A8 LED

PAR MAT-V2
LED

RELAX A1 / A2 / A8 LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

DE

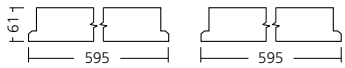
Montage
Einbauleuchte
PVx/PRx - Sichtbare T-schiene Decke
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H, ECG)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Rahmen für Gipskarton -Installation
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +40 °C
(von +5°C mit Notbeleuchtung)

EN

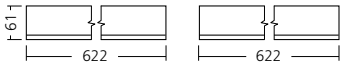
Mounting
Ceiling recessed
PVx/PRx - T-ceiling
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H, ECG)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Frame for plasterboard installation
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +40 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

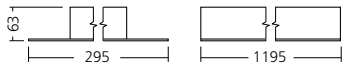
A1 / A2 PV



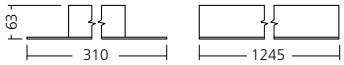
A1 / A2 PR



A8 PV



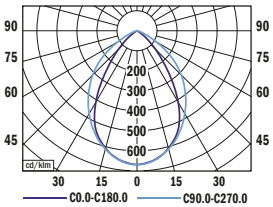
A8 PR



MOUNTING

PV CEILING (600 x 600)

PR CEILING (625 x 625)



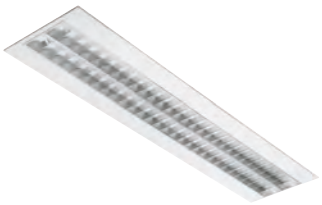
RELAX A2 LED 3S
3450 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

RELX A1

RELAX A2

RELAX A8



FRAME FOR PLASTERBOARD INSTALLATION (PB1)

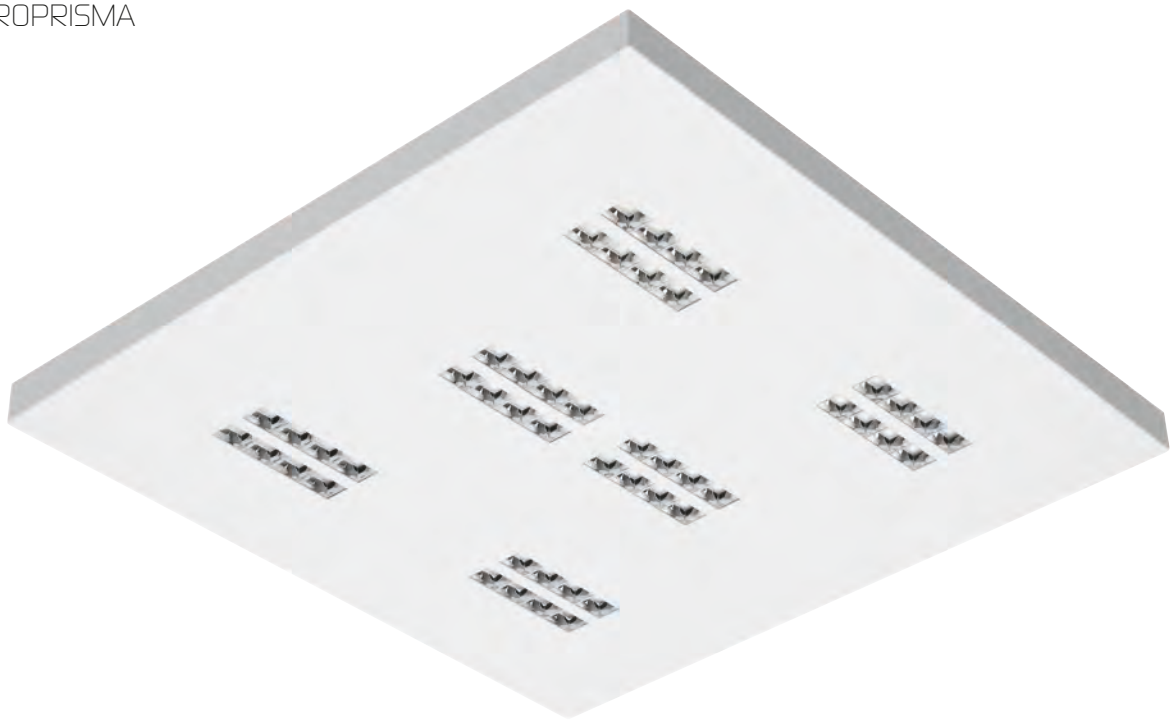
TYP	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
RELAX A1 LED 4S	4450	41	109	80+	3000	69°, 88°	620	4.6
RELAX A1 LED 4S	4700	41	115	80+	4000	69°, 88°	650	4.6
RELAX A2 LED 3S	3250	31	105	80+	3000	69°, 88°	620	4.5
RELAX A2 LED 3S	3450	31	111	80+	4000	69°, 88°	650	4.5
RELAX A8 LED 2M	4400	41	107	80+	3000	69°, 88°	620	3.6
RELAX A8 LED 2M	4700	41	115	80+	4000	69°, 88°	650	3.6

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

DECLAN II SURFACED / SUSPENDED

MICROPRISMA
LED



DECLAN II
Surfaced / Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

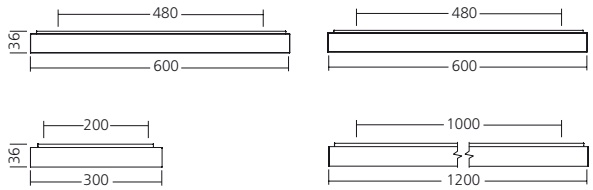
DE

Montage
Deckenleuchte/Hängend (SSx)
Lichtquelle
LED
Optisches System
Diffusor + Reflektor (MCL)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Reflektor: metallisiertes Polykarbonat
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +40 °C
(von +5°C mit Notbeleuchtung)

EN

Mounting
Surfaced/Suspended (SSx)
Light source
LED
Optical system
Diffuser + reflector (MCL)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Reflector: polished metallished polycarbonate
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +40 °C
(from +5°C with EM unit)

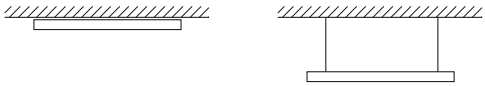
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



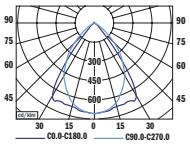
SS4

SS1 EM

MOUNTING



PHOTOMETRY



DECLAN II SS1
3800 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

RS-S 03 L150 SQ (SQUARE SHAPE)
or RD (ROUND SHAPE)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
DECLAN SS1	3700	33	112	80+	3000	74°	310	8.2
DECLAN SS1	3800	33	115	80+	4000	74°	330	8.2
DECLAN SS4	3700	33	112	80+	3000	74°	310	8.2
DECLAN SS4	3800	33	115	80+	4000	74°	330	8.2

Luminous flux tolerance +/- 10%.

PROFESSIONELL

SURFACED AND SUSPENDED LUMINAIRES

FREYN II SURFACED / SUSPENDED

MICROPRISMA

LED

FREYN II
Surfaced / Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

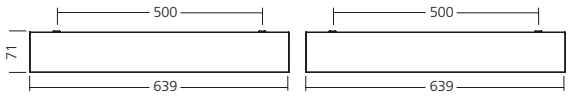
DE

Montage
Deckenleuchte/Hängend (SSx)
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

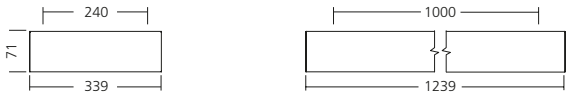
EN

Mounting
Surfaced/Suspended (SSx)
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



SS1

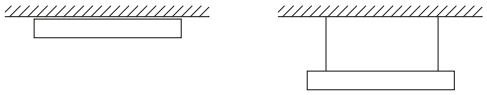


SS4

SS1

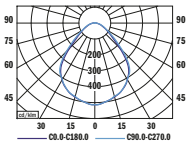
SS4

MOUNTING



RS-S 03 L150 SQ (SQUARE SHAPE)
or RD (ROUND SHAPE)

PHOTOMETRY



FREYN II SS1
4200 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
FREYN II SS1	3100	24	136	80+	3000	85°, 89°	400	7.1
FREYN II SS1	3200	24	133	80+	4000	85°, 89°	410	7.1
FREYN II SS1	4050	30	135	80+	3000	85°, 89°	400	7.1
FREYN II SS1	4200	30	140	80+	4000	85°, 89°	410	7.1
FREYN II SS4	3100	24	129	80+	3000	84°, 87°	400	7.6
FREYN II SS4	3200	24	133	80+	4000	84°, 87°	410	7.6
FREYN II SS4	4050	30	135	80+	3000	84°, 87°	400	7.6
FREYN II SS4	4200	30	140	80+	4000	84°, 87°	410	7.6

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

DUELIS II

MICROPRISMA
LED

DUELIS II

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 40

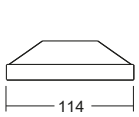
DE

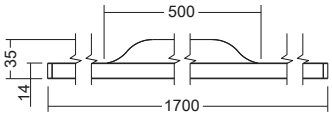
Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Externes Anschlusskabel
Material
Körper: Aluminium
Diffusor: PMMA
Seilaufhängung
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (at 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

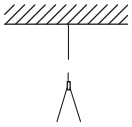
Mounting
Suspended (SSD)
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
External lead-in flexible cable
Materials
Housing: aluminium
Diffuser: PMMA
Rope suspension
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (at 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

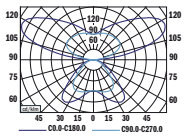




MOUNTING



PHOTOMETRY



DUELIS II
5450 lm 4000 K

LOR = 100%
lower flux fraction 35%
upper flux fraction 65%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
DUELIS II	5300	65	82	80+	3000	105°	3.5
DUELIS II	5450	65	84	80+	4000	105°	3.5

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

LAMBDA LED DIF SURFACED

MICROPRISMA
LED

LAMBDA LED DIF Surfaced

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

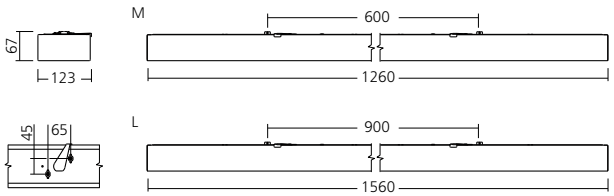
DE

Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +35 °C
(from +5°C with EM unit)

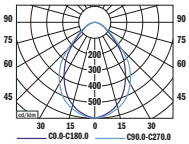
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



WITH EMERGENCY

MOUNTING

PHOTOMETRY



LAMBDA LED DIF SFD L
4850 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOR RENDERING INDEX	CORRELATED COLOR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
LAMBDA LED DIF SFD M	3800	35	109	80+	3000	74°, 83°	100	5.6
LAMBDA LED DIF SFD M	3900	35	111	80+	4000	74°, 83°	100	5.6
LAMBDA LED DIF SFD M	4650	44	106	80+	3000	74°, 83°	100	5.6
LAMBDA LED DIF SFD M	4800	44	109	80+	4000	74°, 83°	100	5.6
LAMBDA LED DIF SFD L	4750	42	113	80+	3000	74°, 83°	100	6.2
LAMBDA LED DIF SFD L	4850	42	115	80+	4000	74°, 83°	100	6.2
LAMBDA LED DIF SFD L	5850	54	108	80+	3000	74°, 83°	100	6.2
LAMBDA LED DIF SFD L	6000	54	111	80+	4000	74°, 83°	100	6.2

Luminous flux tolerance +/- 10%

PROFESSIONELL

SURFACED AND SUSPENDED LUMINAIRES

LAMBDA LED DIF SUSPENDED

MICROPRISMA
LED

LAMBDA LED DIF Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

DE

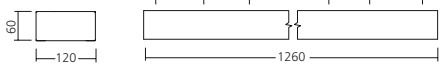
Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Externes Anschlusskabel
Material
Körper: Stahlblech
Diffusor: PMMA
Seilaufhängung
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

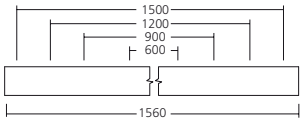
Mounting
Suspended (SSD)
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
External lead-in flexible cable
Materials
Housing: sheet steel
Diffuser: PMMA
Rope suspension
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25°C to +35 °C
(from +5°C with EM unit)

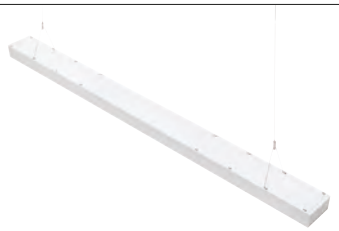
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

M



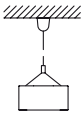
L



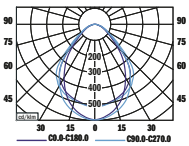


WITH EMERGENCY

MOUNTING



PHOTOMETRY



LAMBDA LED DIF SSD L
4850 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT (lm)	WEIGHT (kg)
LAMBDA LED DIF SSD M	3800	35	109	80+	3000	74°, 83°	100	4.6
LAMBDA LED DIF SSD M	3900	35	111	80+	4000	74°, 83°	100	4.6
LAMBDA LED DIF SSD M	4650	44	106	80+	3000	74°, 83°	100	4.6
LAMBDA LED DIF SSD M	4800	44	109	80+	4000	74°, 83°	100	4.6
LAMBDA LED DIF SSD L	4750	42	113	80+	3000	74°, 83°	100	5.5
LAMBDA LED DIF SSD L	4850	42	115	80+	4000	74°, 83°	100	5.5
LAMBDA LED DIF SSD L	5850	54	108	80+	3000	74°, 83°	100	5.5
LAMBDA LED DIF SSD L	6000	54	111	80+	4000	74°, 83°	100	5.5

Luminous flux tolerance +/- 10%

SURFACED AND SUSPENDED LUMINAIRES

LAMBDA LED D-I

MICROPRISMA
LED

LAMBDA LED D-I

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K
CCT 4000 K | ECG | EDA DALI | EMERGENCY
IP 20

DE

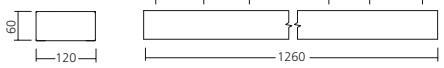
Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Mikroprismatischer Diffusor (MCD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Externes Anschlusskabel
Material
Körper: Stahlblech
Diffusor: PMMA
Seilaufhängung
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +40 °C
(von +5°C mit Notbeleuchtung)

EN

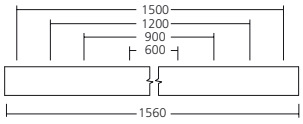
Mounting
Suspended (SSD)
Light source
LED
Optical system
Microprismatic diffuser (MCD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
External lead-in flexible cable
Materials
Housing: sheet steel
Diffuser: PMMA
Rope suspension
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -2+5°C to +40 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

M

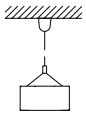


L

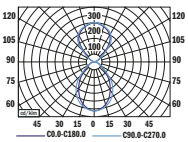


WITH EMERGENCY

MOUNTING



PHOTOMETRY



LAMBDA LED D-I M
6450 lm 4000 K

LOR = 100%
lower flux fraction 53%
upper flux fraction 47%
UGR <19

RS-S 58 L150 RD

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT (lm)	WEIGHT (kg)
LAMBDA LED D-I M	6250	52	120	80+	3000	74°, 83°	100	5.3
LAMBDA LED D-I M	6450	52	124	80+	4000	74°, 83°	100	5.3
LAMBDA LED D-I L	7150	59	121	80+	3000	74°, 83°	100	6.3
LAMBDA LED D-I L	7350	59	125	80+	4000	74°, 83°	100	6.3

Luminous flux tolerance +/- 10%

SURFACED AND SUSPENDED LUMINAIRES

LAMBDA LED ASYM SUSPENDED

MATT
LED

LAMBDA LED ASYM Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

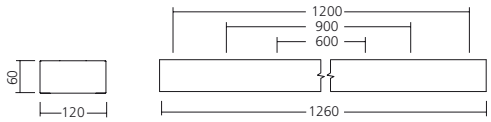
DE

Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Asymmetrisch matter Reflektor **(**ASM**)**
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Reflektor: mattes eloxiertes Aluminium
Seilaufhängung (SSD)
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L90 /B20 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

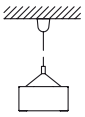
EN

Mounting
Suspended (SSD)
Light source
LED
Optical system
Asymmetric matt reflector (ASM)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Reflector: matt anodised aluminium
Rope suspension (SSD)
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L90 /B20 (at 25°C)
Ambient temperature
From -20 °C to +35 °C

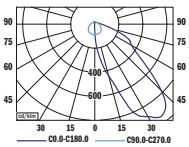
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

LAMBDA LED ASYM
2150 lm 3000 K

RS-S 58 L150 RD W

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
LAMBDA LED ASYM SUSPENDED	2150	20	108	80+	3000	4.9
ELAMBDA LED ASYM SUSPENDED	2250	20	113	80+	4000	4.9

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

EDAN SURFACED / SUSPENDED

MATT
LED

EDAN
Surfaced / Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

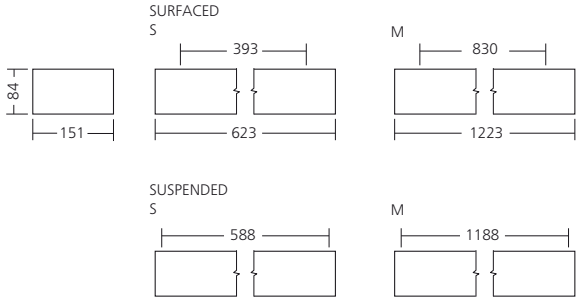
DE

Montage
Deckenleuchte (SSD)
Hängend (SFD)
Lichtquelle
LED
Optisches System
Asymmetrisch matter Reflektor (ASM)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Reflektor: mattes eloxiertes Aluminium
Seilaufhängung (SSD)
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Surfaced (SSD)
Suspended (SFD)
Light source
LED
Optical system
Asymmetric matt reflector (ASM)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Reflector: matt anodised aluminium
Rope suspension (SSD)
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



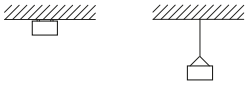
S

M

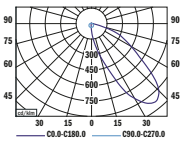
S

M

MOUNTING



PHOTOMETRY



EDAN SFD M
3700 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

RS-S 58 L150 RD

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
EDAN SURFACED/SUSPENDED S	2300	24	96	80+	3000	3.0
EDAN SURFACED/SUSPENDED S	2400	24	100	80+	4000	3.0
EDAN SURFACED/SUSPENDED M	3700	37	100	80+	3000	5.2
EDAN SURFACED/SUSPENDED M	3800	37	103	80+	4000	5.2

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

CLASSIC LED

PAR MAT-V2

LED

CLASSIC LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

DE

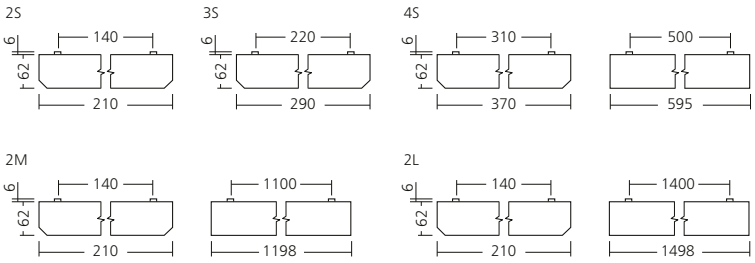
Montage
Deckenleuchte/Hängend (SSx)
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H, ECG)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von ++5°C mit Notbeleuchtung)

EN

Mounting
Surfaced/Suspended (SSx)
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H, ECG)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

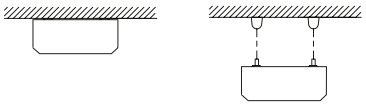
EMERGENCY UNIT LED CHARGING INDICATOR



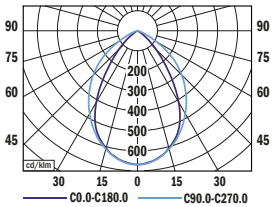
CLASSIC LED 3S

CLASSIC LED 2M

MOUNTING



RS-S 58 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)



CLASSIC LED 3S
3300 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

TYP	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
CLASSIC 2S	2100	21	100	80+	3000	68°, 85°	620	2.4
CLASSIC 2S	2200	21	105	80+	4000	68°, 85°	650	2.4
CLASSIC 3S	3150	31	102	80+	3000	67°, 86°	620	2.7
CLASSIC 3S	3300	31	106	80+	4000	67°, 86°	650	2.7
CLASSIC 4S	4300	41	105	80+	3000	68°, 85°	620	3.7
CLASSIC 4S	4500	41	110	80+	4000	68°, 85°	650	3.7
CLASSIC 2M	4200	41	102	80+	3000	68°, 88°	620	3.8
CLASSIC 2M	4400	41	107	80+	4000	68°, 88°	650	3.8
CLASSIC 2L	5250	51	103	80+	3000	68°, 88°	620	4.4
CLASSIC 2L	5500	51	108	80+	4000	68°, 88°	650	4.4

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

MODUL LMD LED

PAR MAT-V2

LED

MODUL LMD LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

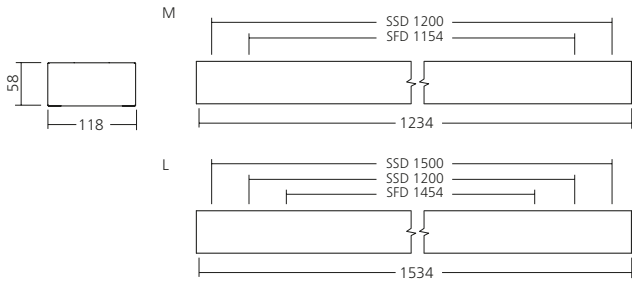
DE

Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H, ECG)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H, ECG)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

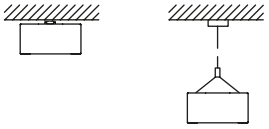
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

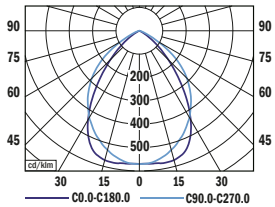


EMERGENCY UNIT LED CHARGING INDICATOR

RS-S 58 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)

MOUNTING





MODUL LMD LED L
5350 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19 / < 22

TYP	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
MODUL LMD LED M	2250	21	107	80+	3000	75°, 89°	600	3.8
MODUL LMD LED M	2350	21	112	80+	4000	75°, 89°	650	3.8
MODUL LMD LED M	5600	49	114	80+	3000	75°, 89°	600	3.8
MODUL LMD LED M	5850	49	119	80+	4000	75°, 89°	650	3.8
MODUL LMD LED L	5100	42	121	80+	3000	75°, 89°	600	4.4
MODUL LMD LED L	5350	42	127	80+	4000	75°, 89°	650	4.4
MODUL LMD LED L	6700	56	120	80+	3000	75°, 89°	600	4.4
MODUL LMD LED L	7050	56	126	80+	4000	75°, 89°	650	4.4

Luminous flux tolerance +/- 10%.

CONTINUOUS LINES

MODUL LMD LINE LED

PAR MAT-V2
LED

MODUL LMD LINE LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K
CCT 4000 K | ECG | EDA DALI | EMERGENCY
IP 20

DE

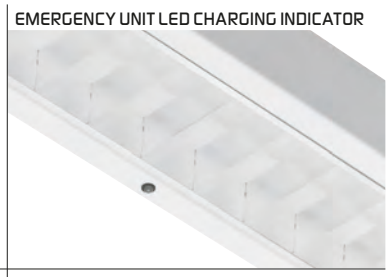
Montage
Deckenleuchte oder Hänge - mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Durchgangsverdrahtung (F, T Version)
Notbeleuchtung Variante (3H, ECG)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

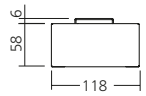
EN

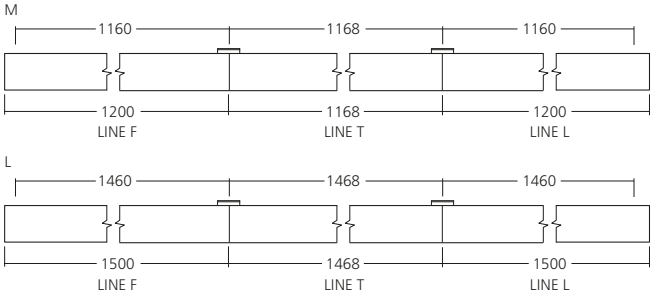
Mounting
Ceiling surfaced or suspended - determined for continuous installation (MDS)
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Through wiring (F, T version)
Emergency unit variant (3H, ECG)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

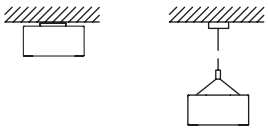
EMERGENCY UNIT LED CHARGING INDICATOR



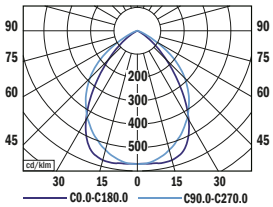




MOUNTING



RS-S 58 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19 / < 22

MODUL LMD LED L
5350 lm 4000 K

RS-C 19/58 L150

TYP	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
MODUL LMD LINE LED M	2250	21	107	80+	3000	75°, 89°	600	3.8
MODUL LMD LINE LED M	2350	21	112	80+	4000	75°, 89°	650	3.8
MODUL LMD LINE LED M	5600	49	114	80+	3000	75°, 89°	600	3.8
MODUL LMD LINE LED M	5850	49	119	80+	4000	75°, 89°	650	3.8
MODUL LMD LINE LED L	5100	42	121	80+	3000	75°, 89°	600	4.5
MODUL LMD LINE LED L	5350	42	127	80+	4000	75°, 89°	650	4.5
MODUL LMD LINE LED L	6700	56	120	80+	3000	75°, 89°	600	4.5
MODUL LMD LINE LED L	7050	56	126	80+	4000	75°, 89°	650	4.5

Luminous flux tolerance +/- 10%.

SURFACED AND SUSPENDED LUMINAIRES

PLAST SI1

OPAL
LED

PLAST SI1

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 44 | IK 08

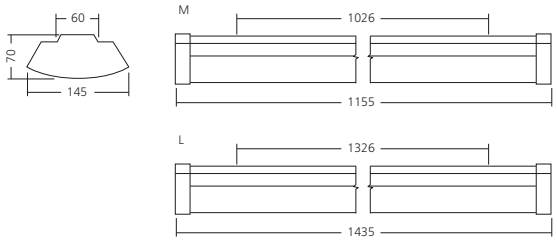
DE

Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: Polykarbonat
Abschlüsse: Polykarbonat
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

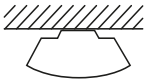
EN

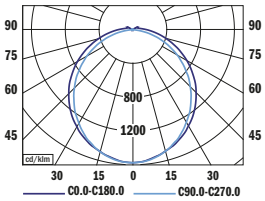
Mounting
Surfaced (SFD)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: polycarbonate
End caps: polycarbonate
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





PLAST SI1 L
6100 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 28

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(kg)
PLAST SI1 M	3950	38	104	80+	3000	115°,105°	2.6
PLAST SI1 M	4050	38	107	80+	4000	115°,105°	2.6
PLAST SI1 L	5900	45	131	80+	3000	115°,105°	3.2
PLAST SI1 L	6100	45	135	80+	4000	115°,105°	3.2

Luminous flux tolerance +/- 10%

SURFACED AND SUSPENDED LUMINAIRES

PLAST H LED

OPAL / PRISMA
LED

PLAST H LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 44

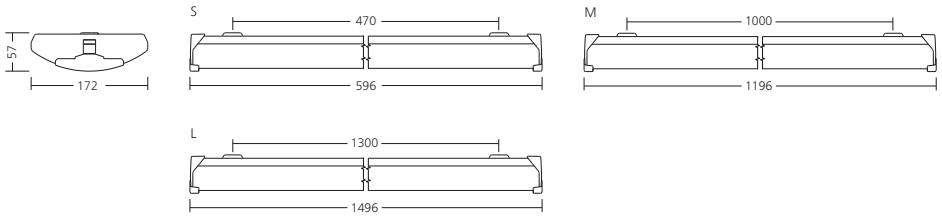
DE

Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Opaler/prismatischer Diffusor (OPD/PRD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: Polykarbonat
Abschlüsse: weisses Polykarbonat + Stahlblech
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

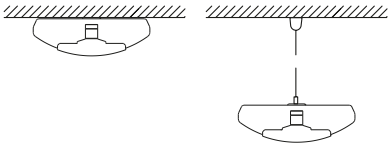
EN

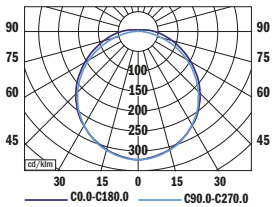
Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Opal/prismatic diffuser (OPD/PRD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: polycarbonate
End caps: white polycarbonate + sheet steel
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





PLAST H LED S OPD
4550 lm 3000 K

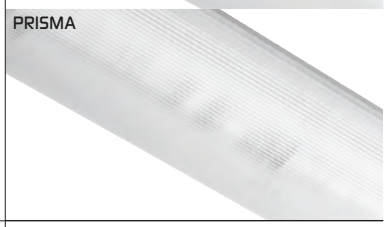
LOR = 100%
lower flux fraction 96%
upper flux fraction 4%
UGR < 22

M

L

OPAL

PRISMA



RS-S 09 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
PLAST H LED S OPD	1350	17	79	80+	3000	105°	1.7
PLAST H LED S OPD	1400	17	82	80+	4000	105°	1.7
PLAST H LED S PRD	2250	17	132	80+	3000	115°	1.7
PLAST H LED S PRD	2350	17	138	80+	4000	115°	1.7
PLAST H LED M OPD	3500	39	90	80+	3000	105°	2.6
PLAST H LED M OPD	3650	39	94	80+	4000	105°	2.6
PLAST H LED M PRD	5800	39	149	80+	3000	115°	2.6
PLAST H LED M PRD	5950	39	153	80+	4000	115°	2.6
PLAST H LED L OPD	4400	50	88	80+	3000	105°	3.0
PLAST H LED L OPD	4550	50	91	80+	4000	105°	3.0
PLAST H LED L PRD	7250	50	145	80+	3000	115°	3.0
PLAST H LED L PRD	7450	50	149	80+	4000	115°	3.0

Luminous flux tolerance +/- 10%

SURFACED AND SUSPENDED LUMINAIRES

PLAST H II LED

OPAL

LED

PLAST H II LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | IP 44

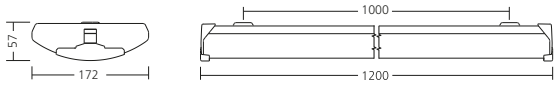
DE

Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Stahlblech
Diffusor: transparentes Polykarbonat + opal Folie
Abschlüsse: Polykarbonat + Stahlblech
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

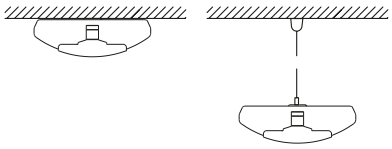
EN

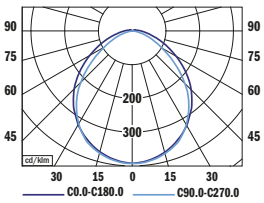
Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX (ECG)
Materials
Housing: sheet steel
Diffuser: transparent polycarbonate + opal foil
End caps: polycarbonate + sheet steel
Accessories
Rope suspension
Service lifetime
50,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





PLAST H II LED
5150 lm 4000 K

LOR = 100%
lower flux fraction 96%
upper flux fraction 4%
UGR < 25

RS-S 09 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(kg)
PLAST H II LED	5000	42	119	80+	3000	105°, 95°	3.0
PLAST H II LED	5150	42	123	80+	4000	105°, 95°	3.0

Luminous flux tolerance +/- 10%

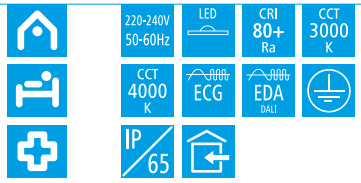
SURFACED AND SUSPENDED LUMINAIRES

PLAST 2 LED

OPAL

LED

PLAST 2 LED

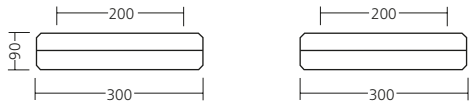


DE

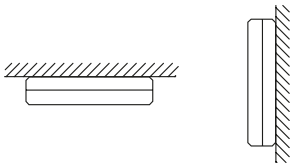
Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: weisses Polykarbonat
Diffusor: PMMA
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

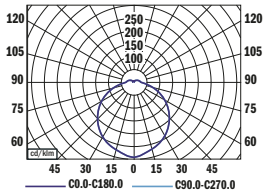
EN

Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: white polycarbonate
Diffuser: PMMA
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C



MOUNTING





PLAST 2 LED
1450 lm 4000 K

LOR = 100%
lower flux fraction 90%
upper flux fraction 10%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
PLAST 2 LED	1050	12	88	80+	3000	117°	2.0
PLAST 2 LED	1100	12	92	80+	4000	117°	2.0
PLAST 2 LED	1400	14	100	80+	3000	117°	2.0
PLAST 2 LED	1450	14	104	80+	4000	117°	2.0

Luminous flux tolerance +/- 10%

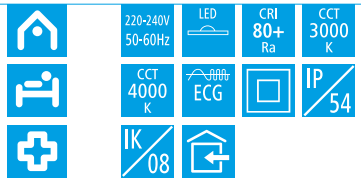
SURFACED AND SUSPENDED LUMINAIRES

PLAST B

OPAL

LED

PLAST B

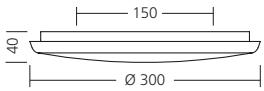


DE

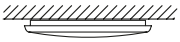
Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Polykarbonat
Diffusor: Polykarbonat
Zubehör
Mikrowellensensor
Lebensdauer
40,000 Stunden/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

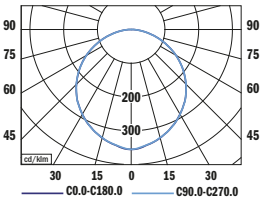
EN

Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX (ECG)
Materials
Housing: polycarbonate
Diffuser: polycarbonate
Accessories
Microwave senzor
Service lifetime
40,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C



MOUNTING





LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 28

PLAST B
2300 lm 4000 K

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
PLAST B	2200	25	88	80+	3000	112°	1.0
PLAST B	2300	25	92	80+	4000	112°	1.0

Luminous flux tolerance +/- 10%

CONTINUOUS LINES AND TRUNKING SYSTEMS

SNAPPY

OPAL

LED

SNAPPY

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP44 | IP20

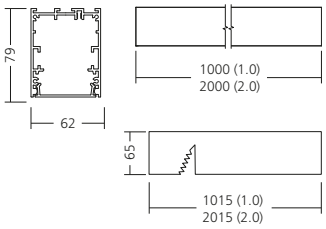
DE

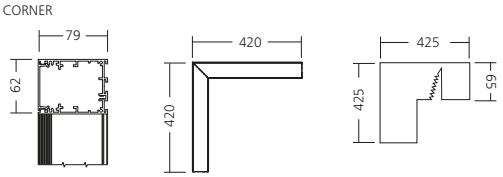
Montage
Einbauleuchte - randlos/Deckenleuchte/ Wandleuchte/ Hängeleuchte - mit Erweiterungsmöglichkeit
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: eloxiertes extrudiertes Aluminium
Diffusor: Polykarbonat
Abschlüsse: Aluminium
Zubehör
Verbindungsstücke, Randlose Endkappe (eingelassen)
Randlose Montagevorrichtungen (eingelassen)
Endkappe SUS/SUR (Hänge- oder Aufbauvariante)
Montagevorrichtung (Aufbauvariante)
Halterung mit Aufhängung mit/ohne Kunststoffabdeckung (Hängevariante)
Lebensdauer
50,000 Stunden/L80/B10 (at 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

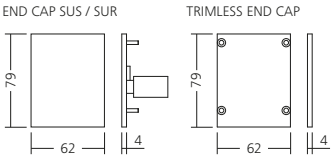
EN

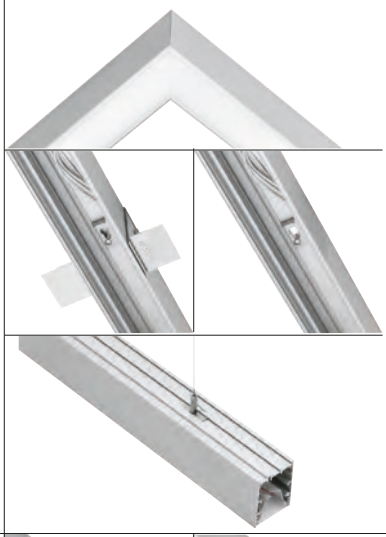
Mounting
Ceiling recessed-trimless/Ceiling surfaced/ Wall mounted/ Suspended - determined for continuous installation
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: anodised extruded aluminum
Diffuser: polycarbonate
End caps: aluminium
Accessories
Connection pieces, Trimless end cap (recessed version)
Trimless mounting brackets (recessed version)
End cap SUS/SUR (suspended/surfaced version)
Mounting bracket (surfaced version)
Bracket with suspension W/WO plastic cover (suspended version)
Service lifetime
50,000 hours/L80/B10 (at 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

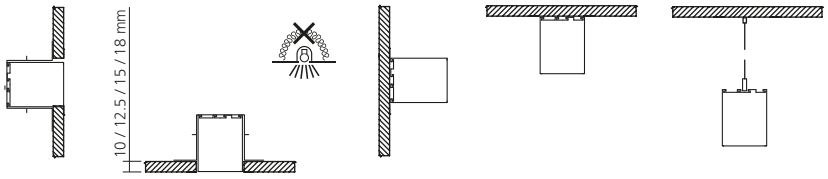


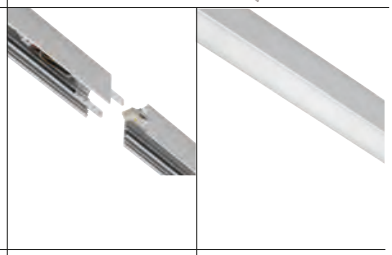




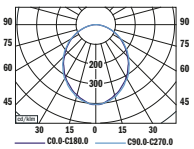


MOUNTING



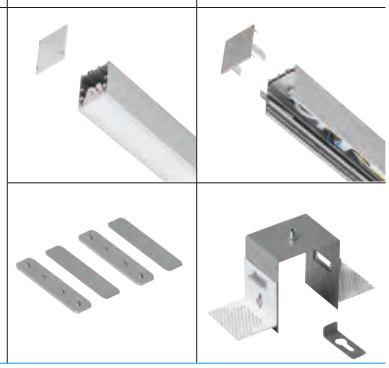


PHOTOMETRY



SNAPPY
2450 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <28



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
SNAPPY 0.8	2050	24	85	80+	3000	106°	2.4
SNAPPY 0.8	2100	24	88	80+	4000	106°	2.4
SNAPPY 1.0	2550	29	88	80+	3000	106°	2.9
SNAPPY 1.0	2600	29	90	80+	4000	106°	2.9
SNAPPY 1.2	3100	35	89	80+	3000	106°	3.3
SNAPPY 1.2	3200	35	91	80+	4000	106°	3.3
SNAPPY 2.0	5150	57	90	80+	3000	106°	5.2
SNAPPY 2.0	5300	57	93	80+	4000	106°	5.2
SNAPPY CORNER	1950	23	85	80+	3000	100°	2.5
SNAPPY CORNER	2000	23	87	80+	4000	100°	2.5

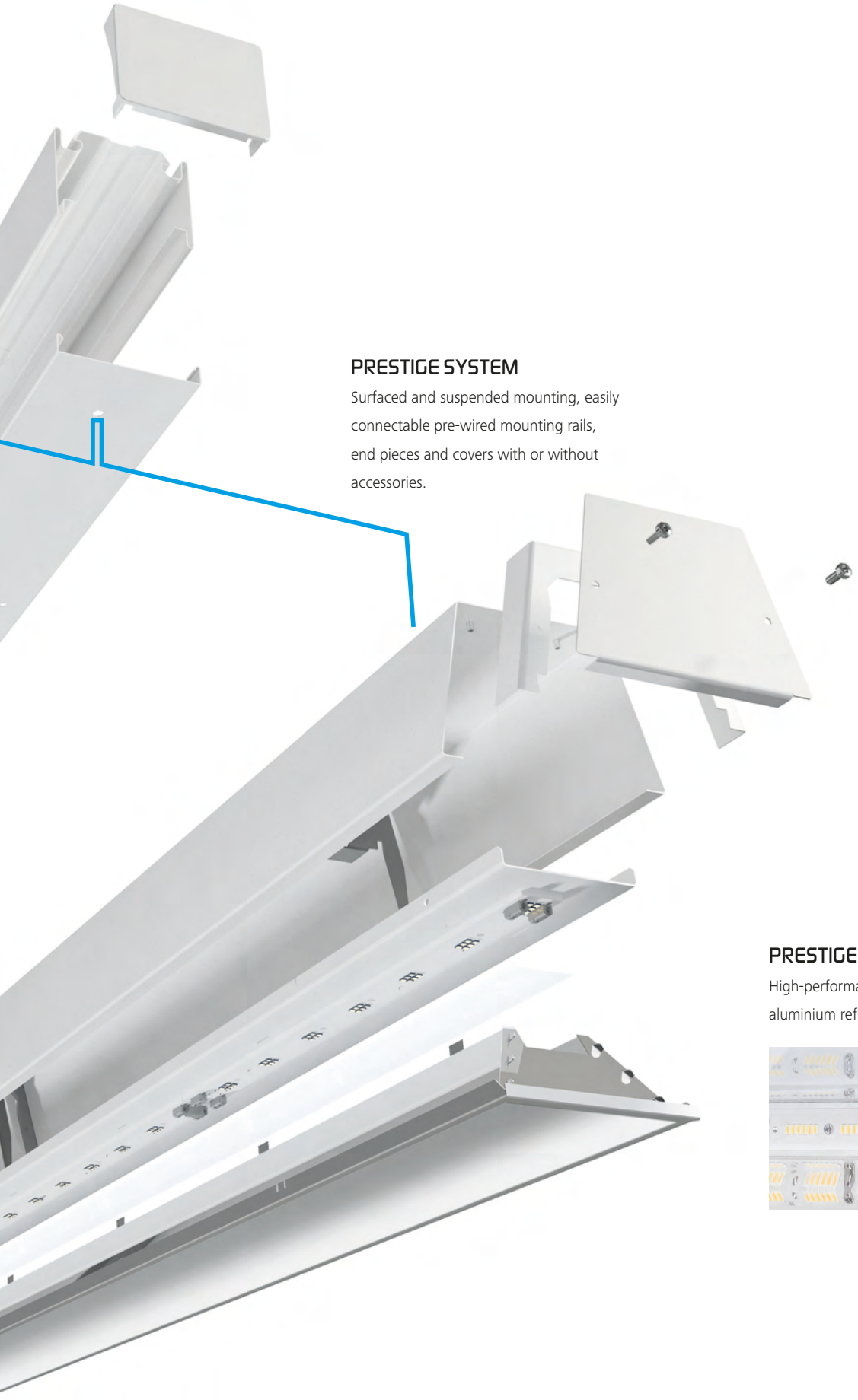
Luminous flux tolerance +/- 10%

PRESTIGE LED is the future of large-area lighting. Clearly innovative. Extremely effective. Surprisingly simple.

PROFESSIONELL

PRESTIGE LED LS

High-performance LEDs, lens-only optics.



PRESTIGE SYSTEM

Surfaced and suspended mounting, easily connectable pre-wired mounting rails, end pieces and covers with or without accessories.

PRESTIGE LED II

High-performance LEDs, diffuser, polished aluminium reflector, parabolic louvre.

PRESTIGE LED
COMPONENT MATRIX

SB 02

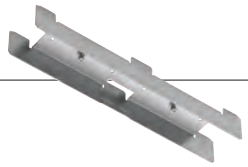
SBT 2402

SBT 1502

MRE

MR

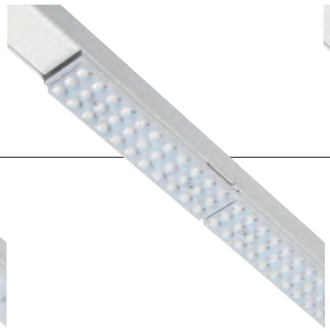
MRCP 02



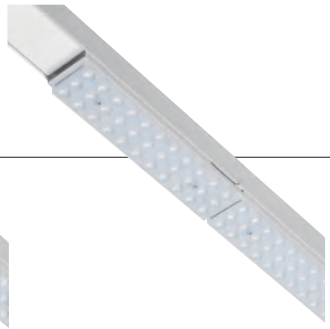
PRESTIGE LED LS

WIDE

EXTRA WIDE



DEEP

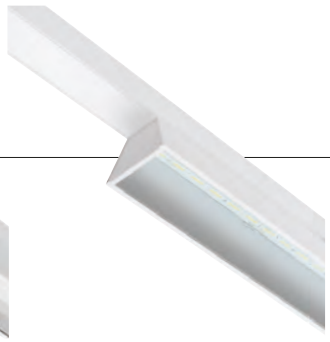


PRESTIGE LED II

MEDIUM WIDE

DEEP

ULTRA DEEP



CHP 02

CHP 02 + CHS

RSE 02

RS 02

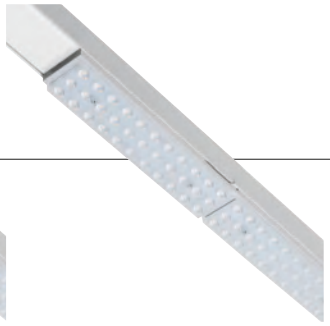
MR T II

MR L II

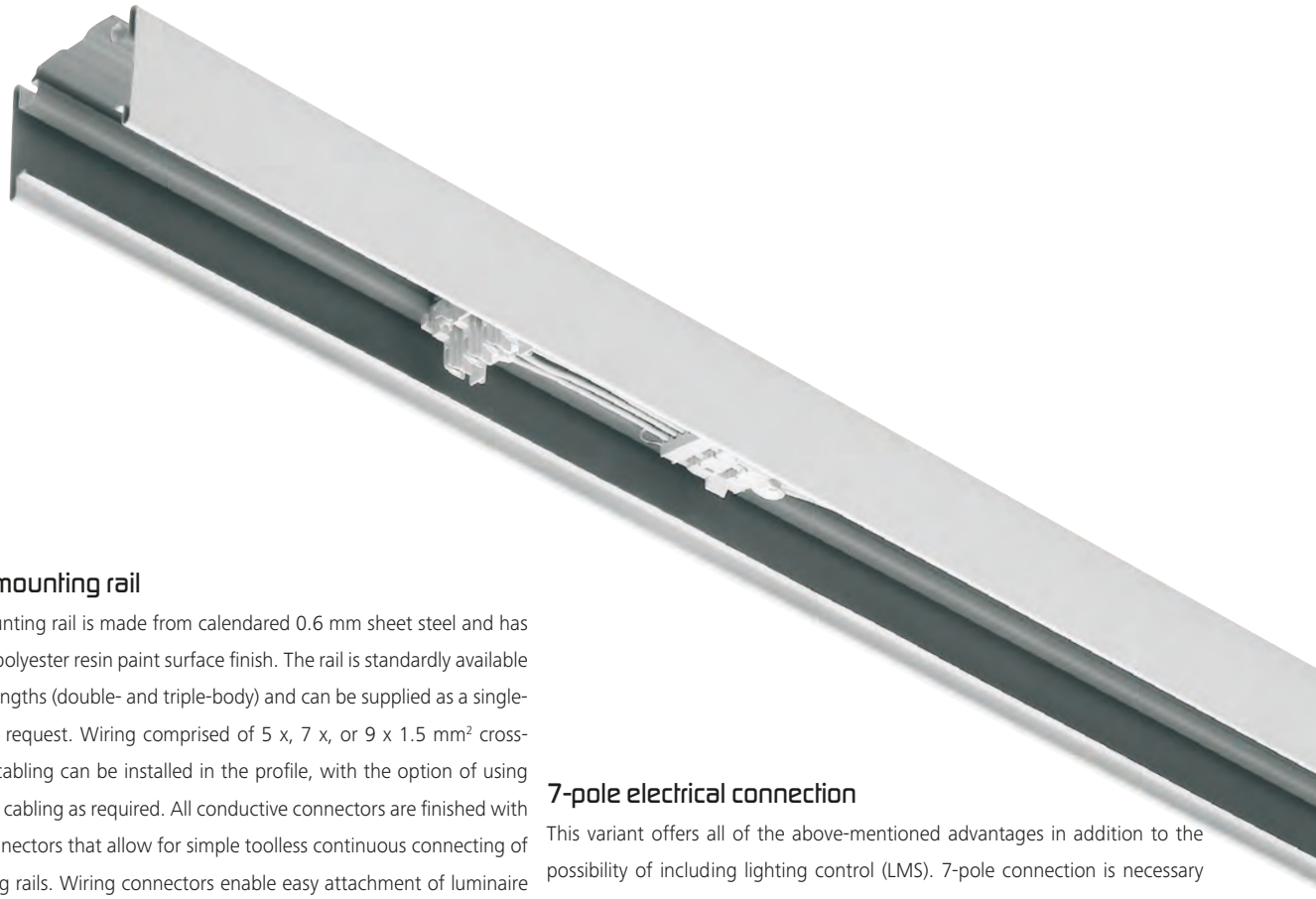
MR L / T / X01 / X02

ASYM

DOUBLE ASYM



PRESTIGE SYSTEM
MOUNTING RAIL



MR – mounting rail

The mounting rail is made from calendared 0.6 mm sheet steel and has a white polyester resin paint surface finish. The rail is standardly available in two lengths (double- and triple-body) and can be supplied as a single-body on request. Wiring comprised of 5 x, 7 x, or 9 x 1.5 mm² cross-section cabling can be installed in the profile, with the option of using 2.5 mm² cabling as required. All conductive connectors are finished with axial connectors that allow for simple toolless continuous connecting of mounting rails. Wiring connectors enable easy attachment of luminaire bodies to the mounting rails.

Pre-wired trunking

The wiring of the PRESTIGE SYSTEM is fitted during manufacture in preparation for fast and simple electrical installation and provides great flexibility. Included electrical connectors allow for mains, LMS, and emergency lighting supply connection at predefined points suitable for FDH and 1.5 modules. Wiring is suitable for both 5-, 7- and 9-pole connection as requested, standardly using 1.5 mm² cabling or 2.5 mm² cabling on request. If emergency lighting is to be installed, some of the luminaires must be equipped with emergency units requiring an additional conductor for battery supply.

5-pole electrical connection

a) Three-phase operation

Use of the 3-phase system allows PRESTIGE to be installed in very long uninterrupted lines, making it an ideal solution for large buildings. The 3-phase system, by utilising the third phase as a control line, also allows for any number of individual luminaires to be switched off during periods of inactivity while some remain switched on to provide a required minimum illumination.

b) Two-phase operation + emergency lighting

When using only two phases, it is possible to use the spare phase conductor for other things such as emergency lighting.

7-pole electrical connection

This variant offers all of the above-mentioned advantages in addition to the possibility of including lighting control (LMS). 7-pole connection is necessary for installation in lighting systems determined for the following uses:

a) Three-phase operation + LMS

Further to allowing for continuous connection in long uninterrupted lines and basic switching control, the extra connectors can be used for connection of dimmable electronic control gears.

b) Two-phase operation + emergency lighting + LMS

7-pole wiring enables the implementation of emergency lighting while still offering free connectors for dimmable electronic control gears.

9-pole electrical connection

9-pole connection allows for almost unlimited inclusion of other systems in addition to standard operation, emergency lighting and an LMS. 9-pole connection is necessary for installation in lighting systems determined for the following uses:

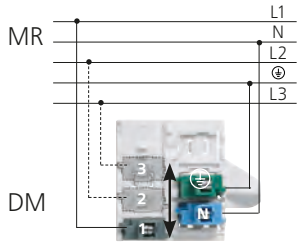
a) Three-phase operation + emergency lighting + LMS

Allows for full three-phase operation in addition to connection for emergency lighting and an LMS. In the case of DALI control, this broadens control possibilities.

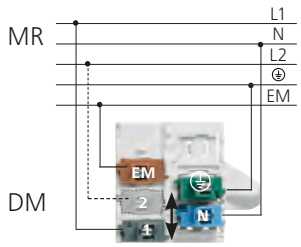
b) Two-phase operation + emergency lighting + emergency lighting /loud speaker system / other separated phase circuit

The additional two connectors can be used for connection of a wide range of other circuits such as a second, independent emergency lighting system, the feeding of load speakers (which can be included in the PRESTIGE SYSTEM), or any other separated phase circuit.

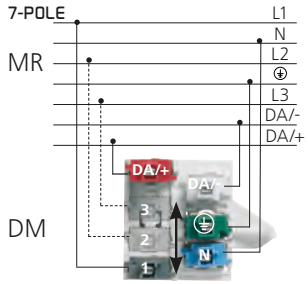
5-POLE



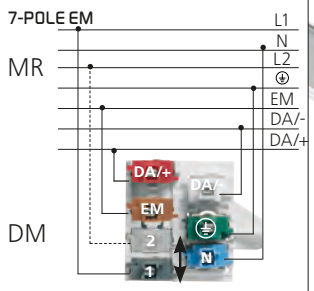
5-POLE EM



7-POLE

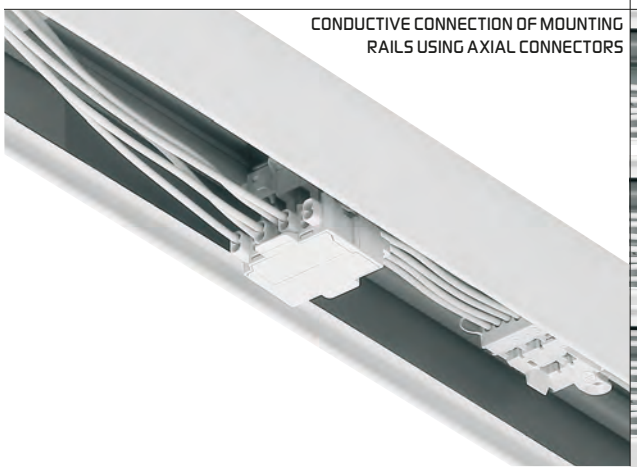


7-POLE EM

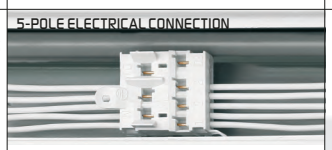


L1 PHASE 1
L2 PHASE 2
L3 PHASE 3
⏚ PROTECTIVE EARTH (GROUND WIRE)
N NEUTRAL WIRE
DA DIGITAL SIGNAL
+/- ANALOG SIGNAL
EM UNSWITCHED EMERGENCY PHASE

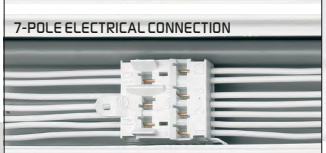
CONDUCTIVE CONNECTION OF MOUNTING RAILS USING AXIAL CONNECTORS



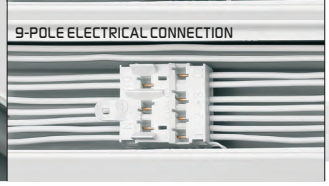
5-POLE ELECTRICAL CONNECTION



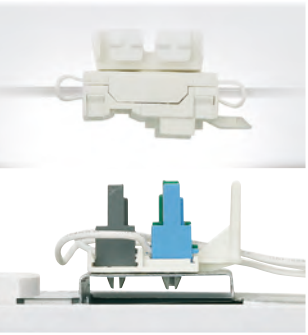
7-POLE ELECTRICAL CONNECTION



9-POLE ELECTRICAL CONNECTION

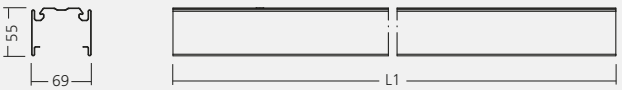


CONNECTOR FOR QUICK CONNECTION BETWEEN MOUNTING RAIL AND DEVICE MOUNT

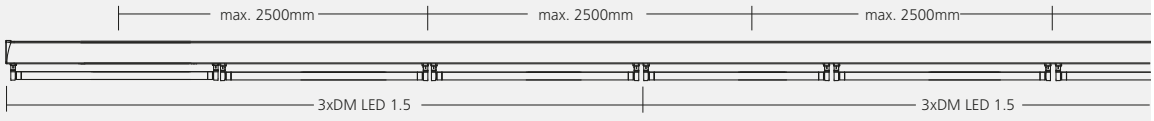


LED

	TYPE	1.5/2.5 mm²	L (mm)
1.5	MR FDH I 5p	5 x	1484
	MR FDH I 7p	7 x	1484
	MR FDH I 9p	9 x	1484
	MR FDH II 5p	5 x	2968
	MR FDH II 7p	7 x	2986
	MR FDH II 9p	9 x	2986
	MR FDH III 5p	5 x	4451
	MR FDH III 7p	7 x	4451
	MR FDH III 9p	9 x	4451



FIXING POINTS FOR SUSPENSION



PRESTIGE SYSTEM
ACCESSORIES

RSE 02 – suspension with electric cable
An adjustable rope used for the suspension of mounting rails along with a 3-, 5-, or 9-pole 1.5 mm² cable for connection to the mains. Cables are standardly supplied with a length of 1100 mm with other lengths available on request.

RS 02 – suspension
An adjustable 1.5 mm diameter rope used for the suspension of mounting rails. Standardly supplied with a length of 1100 mm, other lengths are available on request.

CHS – chain suspension
A chain used for the suspension of mounting rails. Standardly supplied with a length of 1100 mm, other lengths are available on request.

CHP 02 – chain bracket
Mounting bracket for suspension chains.

SBT 2402 – bracket for ceiling mounting
A quick-fix bracket for mounting of the mounting rails in T-profile (24 mm) ceilings.

SBT 1502 – bracket for ceiling mounting
A quick-fix bracket for mounting of the mounting rails in T-profile (15 mm) ceilings.

SB 02 – bracket for ceiling mounting
A quick-fix bracket for mounting of the mounting rails on the ceiling.

MRE – mounting rail end piece
A self-extinguishing ABS plastic cover used to finish open ends of mounting rails. End pieces must be ordered separately.

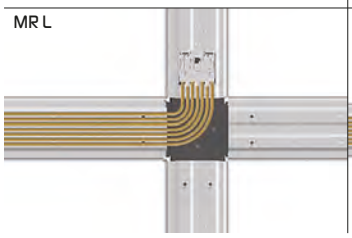
MRCP 02 – mounting rail connecting piece
A standard connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.

MR L II – L-shaped mounting rail corner connector
An L-shaped mounting rail corner connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.

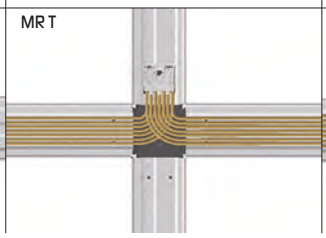
MR T II – T-shaped mounting rail connector
A T-shaped mounting rail connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.

MR L/T/X01/X02 – cross-shaped mounting rail connector
A cross-shaped mounting rail connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel. Standardly supplied with a plastic cap cover and the necessary number of end pieces.

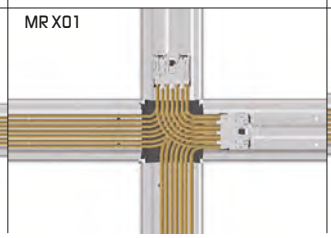
MR L



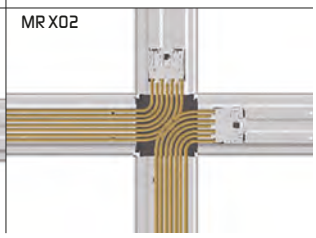
MR T



MR X01



MR X02

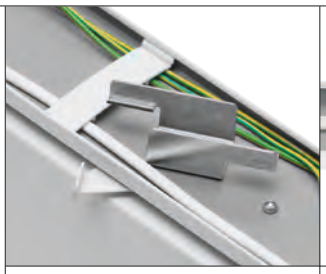


LED device mount

The LED device mount is standardly attached directly to the mounting rail using two built-in clamps, which allow for simple installation without additional tools. Device mounts are made of calendared sheet steel with a white polyester resin paint surface finish. They are available in lengths of 1.5 m, both of which are suitable for all optical variants.

The connector located on the control gear tray allows for simple electrical connection of the LED device to the mounting rail. It also enables phase selection (5-, 7- and 9-pole connection) by means of positioning a moveable contact. Any free contacts can be used for the configuration of the LED device for dimming or emergency lighting.

For the case that a there is a gap between device mounts, the mounting rail can be finished with a mounting rail cover.

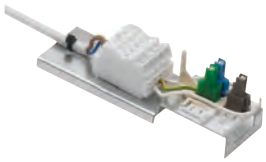


MR COVER

MR PLASTIC COVER

Fly connector

Adjustable connector on a 1.5 m cable.



Sensor

Built-in sensor (type upon customer request).

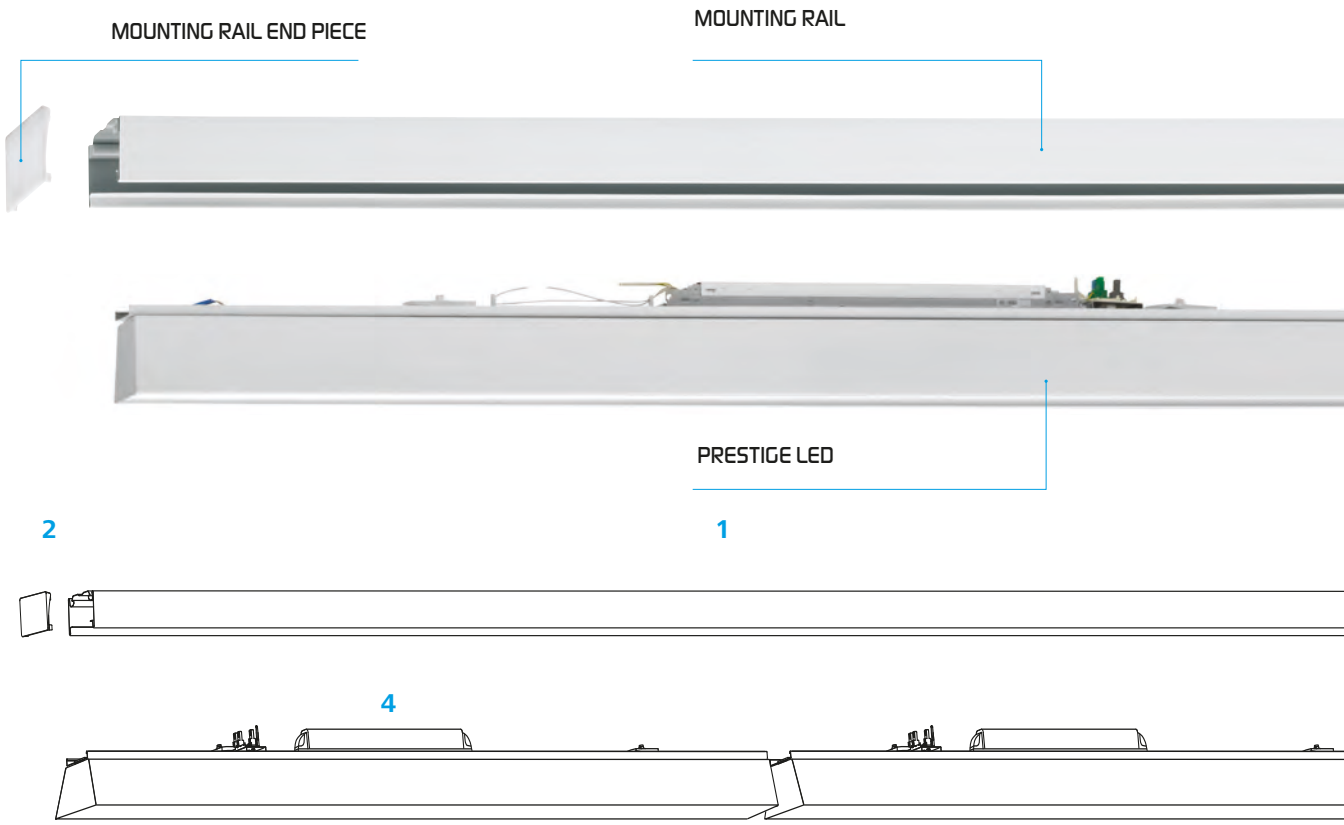
Socket

It is possible to integrate electrical plug sockets into the PRESTIGE SYSTEM using the existing electrical wiring.

FDH track device mount

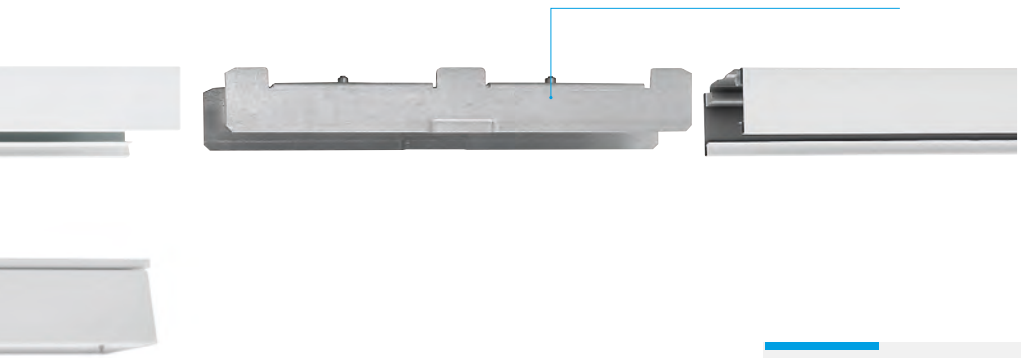
It is possible to combine the ONETRACK system with PRESTIGE for the incorporation of spotlights
(683 mm ONETRACK).

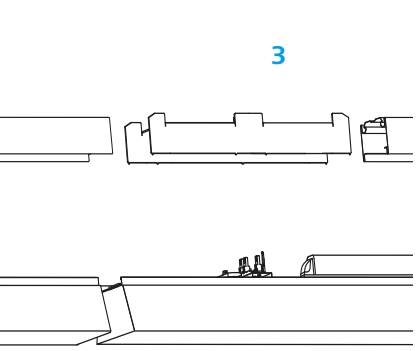
PRESTIGE SYSTEM
ACCESSORIES

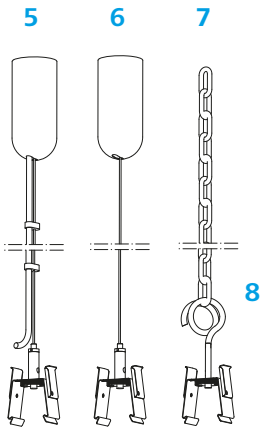


LENGTH (m)	MOUNTING RAIL		SUSPENSION BRACKET
1.5	MR FDH II	MR FDH III	1.5
2.97	1	-	2
4.45	-	1	2
5.94	2	-	3
7.42	1	1	4
8.90	-	2	4
10.39	2	1	5
11.87	1	2	6
13.35	-	3	6
14.84	2	2	7
16.32	1	3	8
17.80	-	4	8
19.29	2	3	9
20.77	1	4	10
22.26	-	5	10
23.74	2	4	11
25.22	1	5	11
26.71	-	6	12
28.19	2	5	13
29.67	1	6	13
31.16	-	7	14
32.64	2	6	15
34.13	1	7	15
35.61	-	8	16
37.09	2	7	17
38.58	1	8	17
40.06	-	9	18
41.54	2	8	19
43.03	1	9	19
44.51	-	10	20

MOUNTING RAIL CONNECTING PIECE







1	Mounting rail FDH II	MR FDH II
	Mounting rail FDH III	MR FDH III
2	Mounting rail end piece	MRE
3	Mounting rail connecting piece	MRCP 02
4	Prestige LED lenses wide	LS WIDE / EXTRA WIDE
	Prestige LED lenses deep	LS DEEP
	Prestige LED lenses asymmetric	LS ASYM
	Prestige LED lenses double asymmetric	LS DOUBLE ASYM
	Prestige LED II medium wide	LED II MEDIUM WIDE
	Prestige LED II reflector deep	LED II DEEP
	Prestige LED II reflector ultra deep	LED II ULTRA DEEP
5	Rope suspension with electrical connection	RSE 02
6	Rope suspension without electrical connection	RS 02
7	Chain suspension	CHS
8	Chain pendant	CHP 02
9	Bracket for ceiling mounting	SB02
10	Bracket for ceiling mounting	SBT 1502 / 2402

MOUNTING RAIL CONNECTING PIECE	MOUNTING RAIL END PIECE	PRESTIGE LED MR COVER
MRCP 02	MRE (SET/2 x pc.)	
-	1	2
-	1	3
1	1	4
1	1	5
1	1	6
2	1	7
2	1	8
2	1	9
3	1	10
3	1	11
3	1	12
4	1	13
4	1	14
4	1	15
5	1	16
5	1	17
5	1	18
6	1	19
6	1	20
6	1	21
7	1	22
7	1	23
7	1	24
8	1	25
8	1	26
8	1	27
9	1	28
9	1	29
9	1	30

TYPE		LENGTH (mm)
MR FDH I	1.5	1484
MR FDH II	1.5	2968
MR FDH III	1.5	4451

TYPE	DIMENSIONS (mm)
MR L/T/X01/ X02	540 x 540
MR L II	315 x 304
MR T II	540 x 304

PRESTIGE SYSTEM
SUPPLEMENTARY DEVICES

The PRESTIGE system can be fit with many different supplementary devices meaning you can tailor it to the precise needs of any space.

Sensors

Why not add sensors to your PRESTIGE installation? Various sensors have various functions, meaning that you can truly make the most of your lighting system. Very simple to install on the rail, discreet, and highly effective, the additional functionality and energy savings ensured by their use makes adding sensors a viable and practical option.

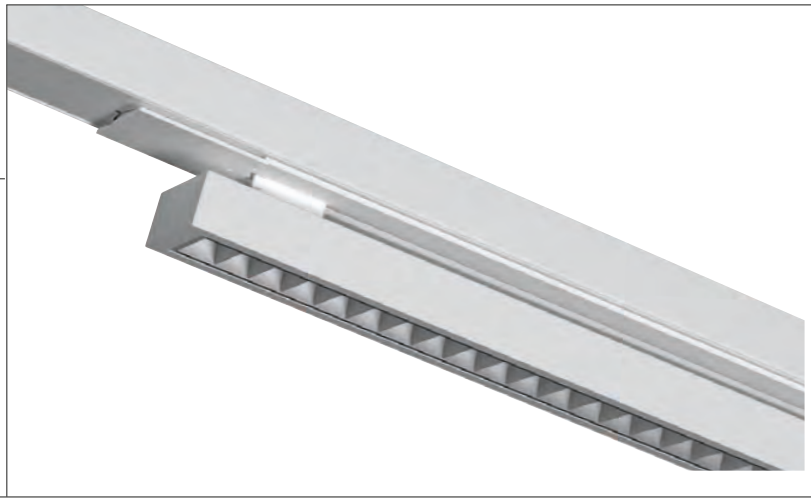
Track luminaires

In many types of space, it is beneficial to use accent lighting to effectively draw attention to the right places. The PRESTIGE SYSTEM enables the addition of track spotlight luminaires directly on the same mounting rail as the PRESTIGE luminaires. This provides the perfect combination of practical and attention grabbing lighting without complication.

AIR ECO

AIR II

ZIPAR TRACK



CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED LS
WIDE
LED

PRESTIGE LED LS
Wide

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

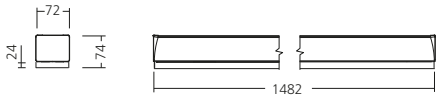
DE

Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Weiten Linsen (LWE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Linsen: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 42/60W
50,000 Stunden/L80/B50 (ta 25°C) - 80W
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

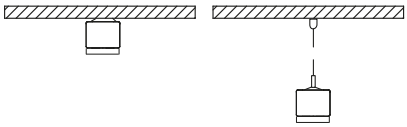
EN

Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Wide lenses (LWE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Lenses: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 42/60W
50,000 hours/L80/B50 (ta 25°C) - 80W
Ambient temperature
from -2+5°C to +35 °C
(from +5°C with EM unit)

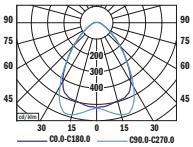
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED LS LWE
6150 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED LS LWE	6150	42	146	80+	3000	80°	340	2.8
PRESTIGE 1.5 LED LS LWE	6300	42	150	80+	4000	80°	360	2.8
PRESTIGE 1.5 LED LS LWE	8300	60	138	80+	3000	80°	340	2.8
PRESTIGE 1.5 LED LS LWE	8550	60	143	80+	4000	80°	360	2.8
PRESTIGE 1.5 LED LS LWE	10,350	80	129	80+	3000	80°	340	2.8
PRESTIGE 1.5 LED LS LWE	10,650	80	133	80+	4000	80°	360	2.8

Luminous flux tolerance +/- 10 %.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED LS
EXTRA WIDE
LED

PRESTIGE LED LS
Extra Wide

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

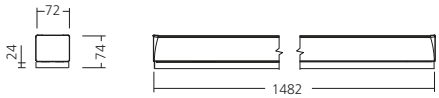
DE

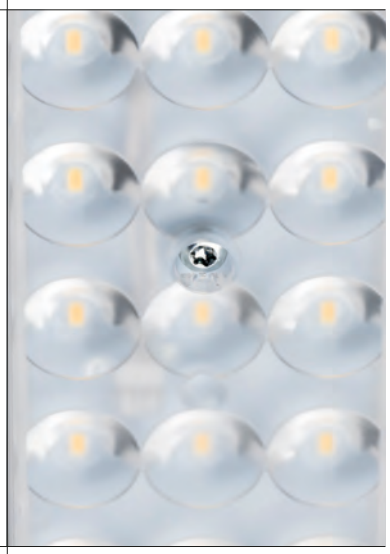
Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Extra weiten Linsen (LEW)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Linsen: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 42/60W
50,000 Stunden/L80/B50 (ta 25°C) - 80W
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

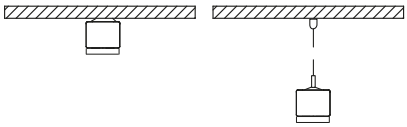
Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Extra wide lenses (LEW)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Lenses: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 42/60W
50,000 hours/L80/B50 (ta 25°C) - 80W
Ambient temperature
from -2+5°C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

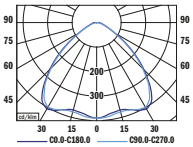




MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

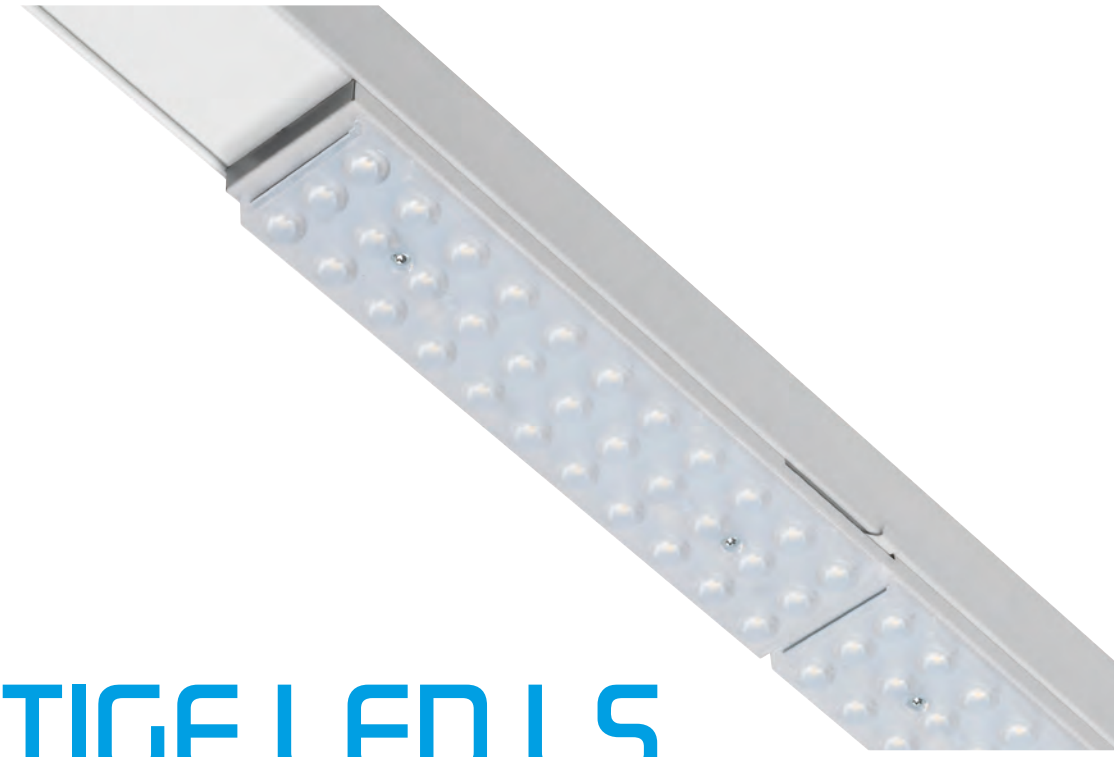
PRESTIGE 1.5
LED LS LEW
6000 lm 3000 K

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED LS LEW	6000	42	143	80+	3000	100°	340	2.8
PRESTIGE 1.5 LED LS LEW	6200	42	148	80+	4000	100°	360	2.8
PRESTIGE 1.5 LED LS LEW	8100	60	135	80+	3000	100°	340	2.8
PRESTIGE 1.5 LED LS LEW	8350	60	139	80+	4000	100°	360	2.8
PRESTIGE 1.5 LED LS LEW	10,150	80	127	80+	3000	100°	340	2.8
PRESTIGE 1.5 LED LS LEW	10,450	80	131	80+	4000	100°	360	2.8

Luminous flux tolerance +/- 10 %.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED LS
DEEP
LED



PRESTIGE LED LS Deep

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

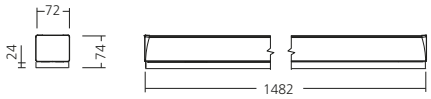
DE

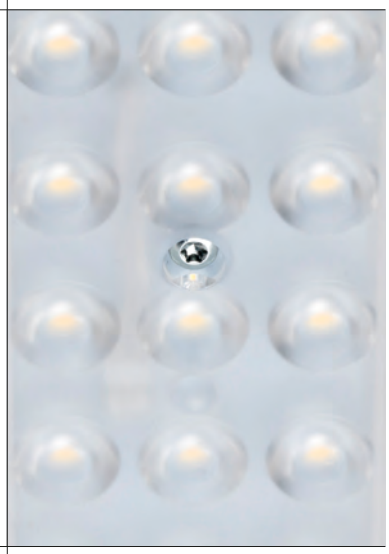
Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Tiefe Linsen (LDE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Linsen: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 42/60W
50,000 Stunden/L80/B50 (ta 25°C) - 80W
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

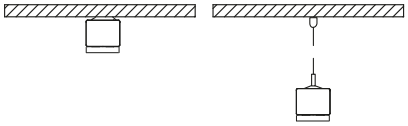
Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Deep lenses (LDE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Lenses: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 42/60W
50,000 hours/L80/B50 (ta 25°C) - 80W
Ambient temperature
from -2+5°C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

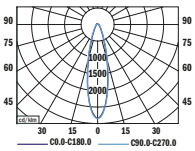




MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED LS LDE
6150 lm 3000 K

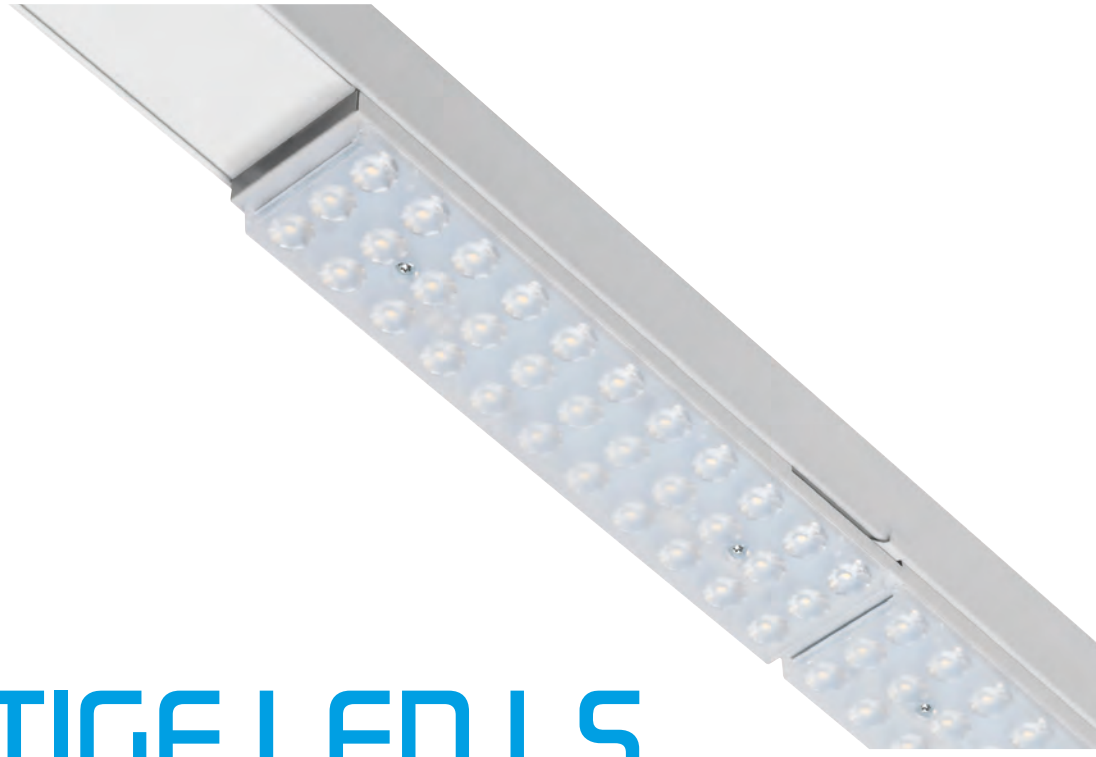
LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED LS LDE	6150	42	146	80+	3000	25°	340	2.8
PRESTIGE 1.5 LED LS LDE	6350	42	151	80+	4000	25°	360	2.8
PRESTIGE 1.5 LED LS LDE	8300	60	138	80+	3000	25°	340	2.8
PRESTIGE 1.5 LED LS LDE	8550	60	143	80+	4000	25°	360	2.8
PRESTIGE 1.5 LED LS LDE	10,400	80	130	80+	3000	25°	340	2.8
PRESTIGE 1.5 LED LS LDE	10,700	80	134	80+	4000	25°	360	2.8

Luminous flux tolerance +/- 10 %.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED LS
ASYMMETRIC
LED



PRESTIGE LED LS
Asymmetric

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

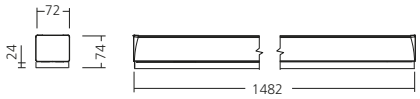
DE

Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Asymmetrischen Linsen (LAS) - Rechts (R)/Links (L)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Linsen: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 42/60W
50,000 Stunden/L80/B50 (ta 25°C) - 80W
Umgebungstemperatur
Von -20 °C bis +35 °C

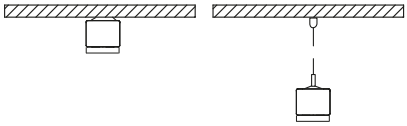
EN

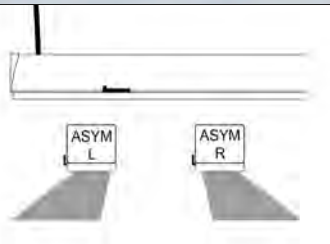
Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Asymmetric lenses (LAS) - Right (R)/Left (L)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Lenses: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 42/60W
50,000 hours/L80/B50 (ta 25°C) - 80W
Ambient temperature
from -2+5°C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

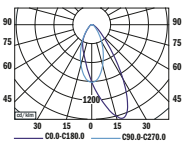


MOUNTING





PHOTOMETRY



PRESTIGE 1.5
LED LS LAS
6200 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
PRESTIGE 1.5 LED LS LAS	6200	42	148	80+	3000	asym	2.8
PRESTIGE 1.5 LED LS LAS	6350	42	151	80+	4000	asym	2.8
PRESTIGE 1.5 LED LS LAS	8350	60	139	80+	3000	asym	2.8
PRESTIGE 1.5 LED LS LAS	8600	60	143	80+	4000	asym	2.8
PRESTIGE 1.5 LED LS LAS	10,450	80	131	80+	3000	asym	2.8
PRESTIGE 1.5 LED LS LAS	10,750	80	134	80+	4000	asym	2.8

Luminous flux tolerance +/- 10 %.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED LS
DOUBLE ASYMMETRIC
LED

PRESTIGE LED LS
Double Asymmetric

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

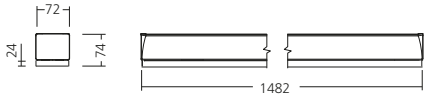
DE

Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Doppel-asymmetrische Linsen (LA2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Linsen: PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 42/60W
50,000 Stunden/L80/B50 (ta 25°C) - 80W
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

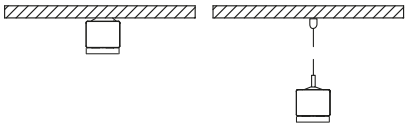
EN

Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Double asymmetric lenses (LA2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Lenses: PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 42/60W
50,000 hours/L80/B50 (ta 25°C) - 80W
Ambient temperature
from -2+5°C to +35 °C
(from +5°C with EM unit)

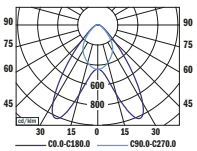
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED LS LA2
6200 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <25

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED LS LA2	6200	42	148	80+	3000	72°, 87°	340	2.8
PRESTIGE 1.5 LED LS LA2	6400	42	152	80+	4000	72°, 87°	360	2.8
PRESTIGE 1.5 LED LS LA2	8400	60	140	80+	3000	72°, 87°	340	2.8
PRESTIGE 1.5 LED LS LA2	8650	60	144	80+	4000	72°, 87°	360	2.8
PRESTIGE 1.5 LED LS LA2	10,500	80	131	80+	3000	72°, 87°	340	2.8
PRESTIGE 1.5 LED LS LA2	10,800	80	135	80+	4000	72°, 87°	360	2.8

Luminous flux tolerance +/- 10 %.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED II
MEDIUM WIDE
LED

PRESTIGE LED II
Medium Wide

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

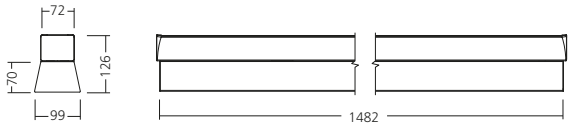
DE

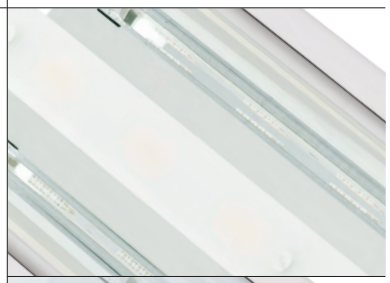
Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Medium weiten Reflektor (MWR)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Medium wide reflector (MWR)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +35 °C
(from +5°C with EM unit)

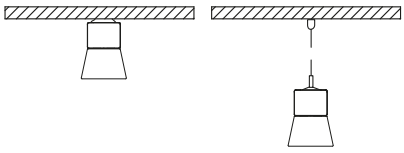
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



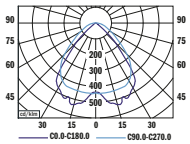


WITH COVER

MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED II MWR
4650 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19/<25

TYPE

TYPE	NET LUMEN OUTPUT (at TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED II MWR	4650	32	145	80+	3000	80°, 97°	230	3.9
PRESTIGE 1.5 LED II MWR	4750	32	148	80+	4000	80°, 97°	240	3.9
PRESTIGE 1.5 LED II MWR	7600	52	146	80+	3000	80°, 97°	260	3.9
PRESTIGE 1.5 LED II MWR	7850	52	151	80+	4000	80°, 97°	270	3.9
PRESTIGE 1.5 LED II MWR TRD	4450	32	139	80+	3000	87°, 111°	220	3.9
PRESTIGE 1.5 LED II MWR TRD	4550	32	142	80+	4000	87°, 111°	230	3.9
PRESTIGE 1.5 LED II MWR TRD	7300	52	140	80+	3000	87°, 111°	250	3.9
PRESTIGE 1.5 LED II MWR TRD	7500	52	144	80+	4000	87°, 111°	260	3.9

Luminous flux tolerance +/- 10%.

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED II

DEEP

LED

PRESTIGE LED II Deep

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

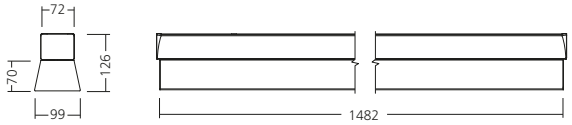
DE

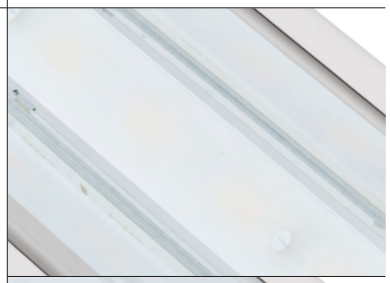
Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Tiefe Reflektor (DER)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

EN

Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Deep reflector (DER)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +35 °C
(from +5°C with EM unit)

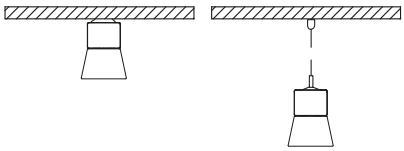
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



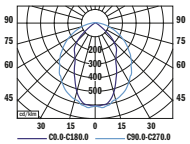


WITH COVER

MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED II DER TRD
4400 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19/<25

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED II DER	4450	32	139	80+	3000	62°, 100°	230	3.9
PRESTIGE 1.5 LED II DER	4600	32	144	80+	4000	62°, 100°	240	3.9
PRESTIGE 1.5 LED II DER	7350	52	141	80+	3000	62°, 100°	260	3.9
PRESTIGE 1.5 LED II DER	7550	52	145	80+	4000	62°, 100°	270	3.9
PRESTIGE 1.5 LED II DER TRD	4250	32	133	80+	3000	62°, 100°	220	3.9
PRESTIGE 1.5 LED II DER TRD	4400	32	138	80+	4000	62°, 100°	230	3.9
PRESTIGE 1.5 LED II DER TRD	7000	52	135	80+	3000	62°, 100°	250	3.9
PRESTIGE 1.5 LED II DER TRD	7200	52	138	80+	4000	62°, 100°	260	3.9

Luminous flux tolerance +/- 10%.

PROFESSIONELL

CONTINUOUS LINES AND TRUNKING SYSTEMS

PRESTIGE LED II

ULTRA DEEP
LED

PRESTIGE LED II
Ultra Deep

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP20

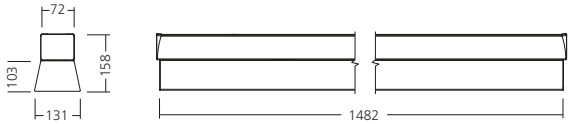
DE

Montage
Hänge- oder Deckenleuchte
- mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Ultra Tiefe Reflektor (UDR)
Vorschaltgerät
Elektronisches vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung variante (3H)
Material
Körper: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Komponenten für System PRESTIGE
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -25 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

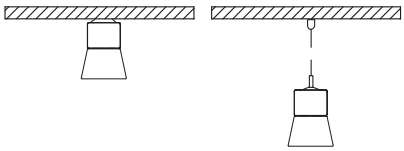
EN

Mounting
Suspended or ceiling surfaced
- determined for continuous installation (MDS)
Light source
LED
Optical system
Ultra deep reflector (UDR)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Components for system PRESTIGE
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -25 °C to +35 °C
(from +5°C with EM unit)

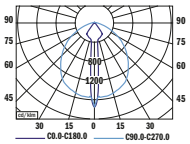
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



PRESTIGE 1.5
LED II UDR TRD
7400 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19/<28

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.5 LED II UDR	4600	32	144	80+	3000	10°, 98°	460	4.2
PRESTIGE 1.5 LED II UDR	4750	32	148	80+	4000	10°, 98°	480	4.2
PRESTIGE 1.5 LED II UDR	7600	52	146	80+	3000	10°, 98°	460	4.2
PRESTIGE 1.5 LED II UDR	7800	52	150	80+	4000	10°, 98°	480	4.2
PRESTIGE 1.5 LED II UDR TRD	4350	32	136	80+	3000	10°, 98°	440	4.5
PRESTIGE 1.5 LED II UDR TRD	4550	32	142	80+	4000	10°, 98°	460	4.5
PRESTIGE 1.5 LED II UDR TRD	7250	52	139	80+	3000	10°, 98°	440	4.5
PRESTIGE 1.5 LED II UDR TRD	7400	52	142	80+	4000	10°, 98°	460	4.5

Luminous flux tolerance +/- 10%.

CONTINUOUS LINES

MODUL LMD LINE LED

PAR MAT-V2
LED

MODUL LMD LINE LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20

DE

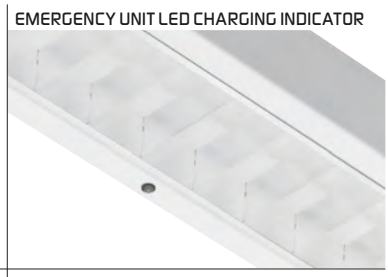
Montage
Deckenleuchte oder Hänge - mit Erweiterungsmöglichkeit (MDS)
Lichtquelle
LED
Optisches System
Matter parabolischer Raster PAR MAT-V2 (ML2)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Durchgangsverdrahtung (F, T Version)
Notbeleuchtung Variante (3H, ECG)
Material
Körper: Stahlblech
Diffusor: PMMA
Parabolischer Raster: mattes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C
(von +5°C mit Notbeleuchtung)

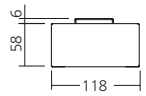
EN

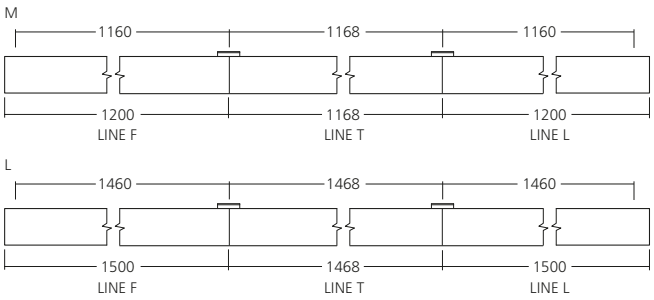
Mounting
Ceiling surfaced or suspended - determined for continuous installation (MDS)
Light source
LED
Optical system
Matt parabolic louvre PAR MAT-V2 (ML2)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Through wiring (F, T version)
Emergency unit variant (3H, ECG)
Materials
Housing: sheet steel
Diffuser: PMMA
Parabolic louvre: matt anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C
(from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

EMERGENCY UNIT LED CHARGING INDICATOR

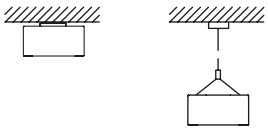


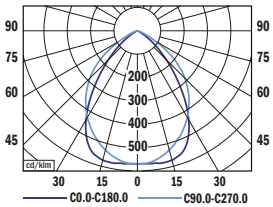




RS-S 58 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)

MOUNTING





MODUL LMD LED L
5350 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19 / < 22

RS-C 19/58 L150

TYP	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(lm)	(kg)
MODUL LMD LINE LED M	2250	21	107	80+	3000	75°, 89°	600	3.8
MODUL LMD LINE LED M	2350	21	112	80+	4000	75°, 89°	650	3.8
MODUL LMD LINE LED M	5600	49	114	80+	3000	75°, 89°	600	3.8
MODUL LMD LINE LED M	5850	49	119	80+	4000	75°, 89°	650	3.8
MODUL LMD LINE LED L	5100	42	121	80+	3000	75°, 89°	600	4.5
MODUL LMD LINE LED L	5350	42	127	80+	4000	75°, 89°	650	4.5
MODUL LMD LINE LED L	6700	56	120	80+	3000	75°, 89°	600	4.5
MODUL LMD LINE LED L	7050	56	126	80+	4000	75°, 89°	650	4.5

Luminous flux tolerance +/- 10%.

PROFESSIONELL

DOWNLIGHTS

PRETTUS XS

POLISHED

LED

PRETTUS XS

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP54

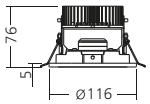
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage
Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

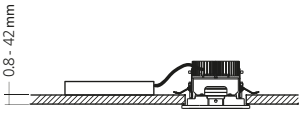
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request:
Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

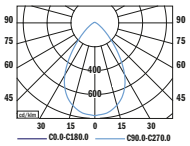
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

PRETTUS XS PRT
850 lm 4000 K

POLISHED REFLECTOR (PRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

MATT REFLECTOR (MRE)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR (WRE)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS XS PRE	800	8	100	80+	3000	60°	0.5
PRETTUS XS PRE	850	8	106	80+	4000	60°	0.5
PRETTUS XS PRE	1100	11	100	80+	3000	60°	0.5
PRETTUS XS PRE	1150	11	105	80+	4000	60°	0.5
PRETTUS XS PRT	750	8	94	80+	3000	60°	0.5
PRETTUS XS PRT	800	8	100	80+	4000	60°	0.5
PRETTUS XS PRT	1050	11	95	80+	3000	60°	0.5
PRETTUS XS PRT	1100	11	100	80+	4000	60°	0.5
PRETTUS XS PRO	450	8	56	80+	3000	84°	0.5
PRETTUS XS PRO	500	8	63	80+	4000	84°	0.5
PRETTUS XS PRO	650	11	59	80+	3000	84°	0.5
PRETTUS XS PRO	700	11	64	80+	4000	84°	0.5

Luminous flux tolerance +/- 10%

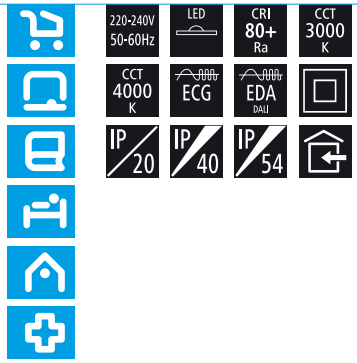
DOWNLIGHTS

PRETTUS XS TRIMLESS

POLISHED

LED

PRETTUS XS Trimless

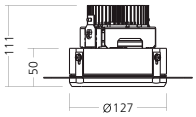


DE

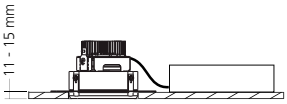
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Einputzeinfassung: Aluminiumprofil
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

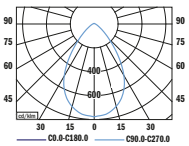
Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Plasterboard trim: aluminium profile
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C



MOUNTING



PHOTOMETRY



PRETTUS XS TM PRT
800 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

POLISHED REFLECTOR (PRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

MATT REFLECTOR (MRE)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR (WRE)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS XS TM PRE	800	9	89	80+	3000	60°	0.9
PRETTUS XS TM PRE	850	9	94	80+	4000	60°	0.9
PRETTUS XS TM PRE	1100	11	100	80+	3000	60°	0.9
PRETTUS XS TM PRE	1150	11	105	80+	4000	60°	0.9
PRETTUS XS TM PRT	750	9	83	80+	3000	69°	0.9
PRETTUS XS TM PRT	800	9	89	80+	4000	69°	0.9
PRETTUS XS TM PRT	1050	11	95	80+	3000	60°	0.9
PRETTUS XS TM PRT	1100	11	100	80+	4000	60°	0.9
PRETTUS XS TM PRO	450	9	50	80+	3000	84°	0.9
PRETTUS XS TM PRO	500	9	56	80+	4000	84°	0.9
PRETTUS XS TM PRO	650	11	59	80+	3000	84°	0.9
PRETTUS XS TM PRO	700	11	64	80+	4000	84°	0.9

Luminous flux tolerance +/- 10%

PROFESSIONELL

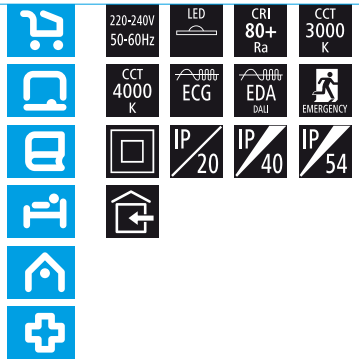
DOWNLIGHTS

PRETTUS S

POLISHED

LED

PRETTUS S

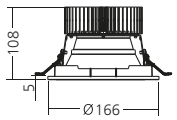


DE

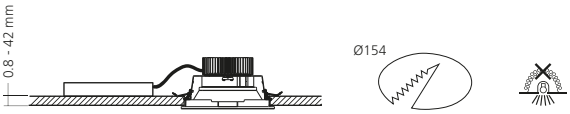
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

EN

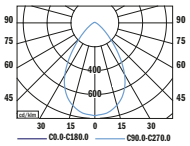
Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)



MOUNTING



PHOTOMETRY



PRETTUS S PRT
1750 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

POLISHED REFLECTOR (PRE)

MATT REFLECTOR (MRE)

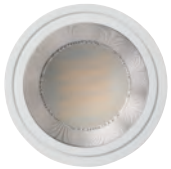
WHITE ANODISED REFLECTOR (WRE)

POLISHED REFLECTOR AND TRANSPARENT OVER (PRT)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)



TYPE

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRETTUS S PRE	1350	15	90	80+	3000	69°	360	0.8
PRETTUS S PRE	1450	15	97	80+	4000	69°	370	0.8
PRETTUS S PRE	1800	19	95	80+	3000	69°	360	0.8
PRETTUS S PRE	1900	19	100	80+	4000	69°	370	0.8
PRETTUS S PRT	1250	15	82	80+	3000	69°	360	0.8
PRETTUS S PRT	1350	15	90	80+	4000	69°	370	0.8
PRETTUS S PRT	1650	19	87	80+	3000	69°	360	0.8
PRETTUS S PRT	1750	19	92	80+	4000	69°	370	0.8
PRETTUS S PRO	1200	15	80	80+	3000	73°	–	0.8
PRETTUS S PRO	1300	15	87	80+	4000	73°	–	0.8
PRETTUS S PRO	1600	19	84	80+	3000	73°	–	0.8
PRETTUS S PRO	1700	19	89	80+	4000	73°	–	0.8

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

PRETTUS S ASYM

POLISHED

LED

PRETTUS S Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20 | IP 54

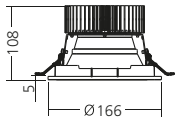
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asym. polierter Ref.+ durchsichtige Abdeckung (APT)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Asym. polished reflector + transp. cover (APT)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

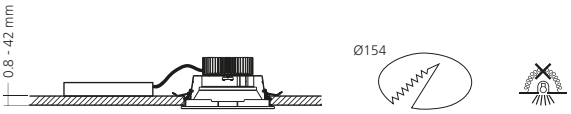
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



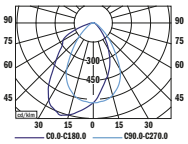
POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)

MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)

MOUNTING



PHOTOMETRY



PRETTUS S APT
1500 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
PRETTUS S APT	1100	15	73	80+	3000	0.8
PRETTUS S APT	1150	15	77	80+	4000	0.8
PRETTUS S APT	1450	19	76	80+	3000	0.8
PRETTUS S APT	1500	19	79	80+	4000	0.8

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

PRETTUS S TRIMLESS

POLISHED

LED

PRETTUS S Trimless

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP54

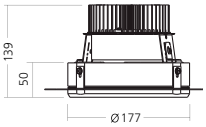
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Einputzeinfassung: Aluminiumprofil
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -2+5°C bis +35 °C

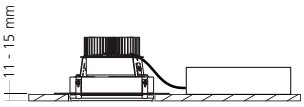
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Plasterboard trim: aluminium profile
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

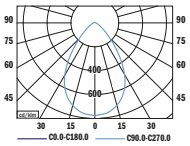
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

PRETTUS S TM PRT
1700 lm 4000 K

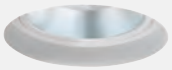
POLISHED REFLECTOR (PRE)

MATT REFLECTOR (MRE)

WHITE ANODISED REFLECTOR (WRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
PRETTUS S TM PRE	1300	15	87	80+	3000	69°	1.2
PRETTUS S TM PRE	1400	15	93	80+	4000	69°	1.2
PRETTUS S TM PRE	1750	19	92	80+	3000	69°	1.2
PRETTUS S TM PRE	1850	19	97	80+	4000	69°	1.2
PRETTUS S TM PRT	1200	15	80	80+	3000	69°	1.2
PRETTUS S TM PRT	1300	15	87	80+	4000	69°	1.2
PRETTUS S TM PRT	1600	19	84	80+	3000	69°	1.2
PRETTUS S TM PRT	1700	19	89	80+	4000	69°	1.2
PRETTUS S TM PRO	1150	15	77	80+	3000	73°	1.3
PRETTUS S TM PRO	1250	15	83	80+	4000	73°	1.3
PRETTUS S TM PRO	1550	19	82	80+	3000	73°	1.3
PRETTUS S TM PRO	1650	19	87	80+	4000	73°	1.3

Luminous flux tolerance +/- 10 %.

PROFESSIONELL

DOWNLIGHTS

PRETTUS S SURFACED

POLISHED

LED

PRETTUS S Surfaced

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

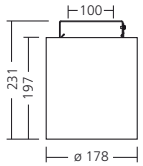
DE

Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: extrudiertes Aluminium + Stahlblech
Diffusor: mikroprismatisches PMMA
Reflektor: polierteseloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 15 W
50,000 Stunden/L80/B20 (ta 25°C) - 19W
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: extruded aluminium + sheet steel
Diffuser: microprismatic PMMA
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 15 W
50,000 hours/L80/B20 (ta 25°C) - 19W
Ambient temperature
From -20 °C to +35 °C

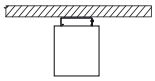
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



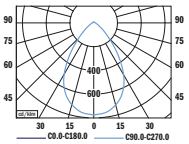
POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

MOUNTING



PHOTOMETRY



PRETTUS S SFD PRT
1750 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

TYPE

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS S SURFACED PRT	1250	15	83	80+	3000	69°	3.7
PRETTUS S SURFACED PRT	1350	15	90	80+	4000	69°	3.7
PRETTUS S SURFACED PRT	1650	19	87	80+	3000	69°	3.7
PRETTUS S SURFACED PRT	1750	19	92	80+	4000	69°	3.7
PRETTUS S SURFACED PRO	1200	15	80	80+	3000	73°	3.7
PRETTUS S SURFACED PRO	1300	15	87	80+	4000	73°	3.7
PRETTUS S SURFACED PRO	1600	19	84	80+	3000	73°	3.7
PRETTUS S SURFACED PRO	1700	19	89	80+	4000	73°	3.7

Luminous flux tolerance +/- 10%

DOWNLIGHTS

PRETTUS S SUSPENDED

POLISHED

LED

PRETTUS S Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

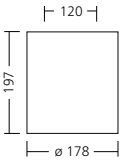
DE

Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: extrudiertes Aluminium + Stahlblech
Diffusor: mikroprismatisches PMMA
Reflektor: polierteseloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Seilaufhängung
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 15 W
50,000 Stunden/L80/B20 (ta 25°C) - 19W
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Suspended (SSD)
Light source
LED
Optical system
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: extruded aluminium + sheet steel
Diffuser: microprismatic PMMA
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Rope suspension
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 15 W
50,000 hours/L80/B20 (ta 25°C) - 19W
Ambient temperature
From -20 °C to +35 °C

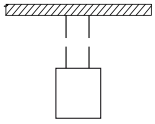
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



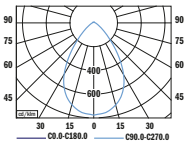
POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

MOUNTING



PHOTOMETRY



PRETTUS S SSD PRT
1750 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

TYPE

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS S SUSPENDED PRT	1250	15	83	80+	3000	69°	3.7
PRETTUS S SUSPENDED PRT	1350	15	90	80+	4000	69°	3.7
PRETTUS S SUSPENDED PRT	1650	19	87	80+	3000	69°	3.7
PRETTUS S SUSPENDED PRT	1750	19	92	80+	4000	69°	3.7
PRETTUS S SUSPENDED PRO	1200	15	80	80+	3000	73°	3.7
PRETTUS S SUSPENDED PRO	1300	15	87	80+	4000	73°	3.7
PRETTUS S SUSPENDED PRO	1600	19	84	80+	3000	73°	3.7
PRETTUS S SUSPENDED PRO	1700	19	89	80+	4000	73°	3.7

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

PRETTUS M

POLISHED

LED

PRETTUS M

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | EMERGENCY | IP 20 | IP 40 | IP 54

DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

POLISHED REFLECTOR (PRE)

MATT REFLECTOR (MRE)

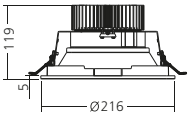
WHITE ANODISED REFLECTOR (WRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

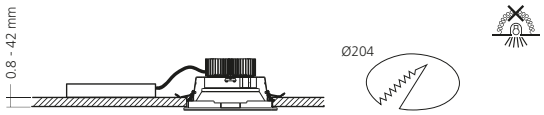
MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

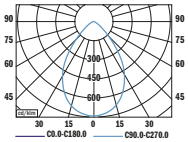
POLISHED REFLECTOR AND OPAL COVER (PRO)



MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

PRETTUS M PRT
2350 lm 3000 K

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(lm)	(kg)
PRETTUS M PRE	1900	19	100	80+	3000	72°	380	0.9
PRETTUS M PRE	2000	19	105	80+	4000	72°	390	0.9
PRETTUS M PRE	1450	24	102	80+	3000	72°	380	0.9
PRETTUS M PRE	1550	24	106	80+	4000	72°	390	0.9
PRETTUS M PRE	2900	29	100	80+	3000	72°	380	0.9
PRETTUS M PRE	3050	29	105	80+	4000	72°	390	0.9
PRETTUS M PRT	1800	19	95	80+	3000	72°	370	1.0
PRETTUS M PRT	1900	19	100	80+	4000	72°	380	1.0
PRETTUS M PRT	2200	24	92	80+	3000	72°	370	1.0
PRETTUS M PRT	2350	24	98	80+	4000	72°	380	1.0
PRETTUS M PRT	2700	29	93	80+	3000	72°	370	1.0
PRETTUS M PRT	2850	29	98	80+	4000	72°	380	1.0
PRETTUS M PRO	1750	19	92	80+	3000	74°	–	1.0
PRETTUS M PRO	1850	19	97	80+	4000	74°	–	1.0
PRETTUS M PRO	2150	24	90	80+	3000	74°	–	1.0
PRETTUS M PRO	2300	24	96	80+	4000	74°	–	1.0
PRETTUS M PRO	2650	29	91	80+	3000	74°	–	1.0
PRETTUS M PRO	2800	29	97	80+	4000	74°	–	1.0

Luminous flux tolerance +/- 10%

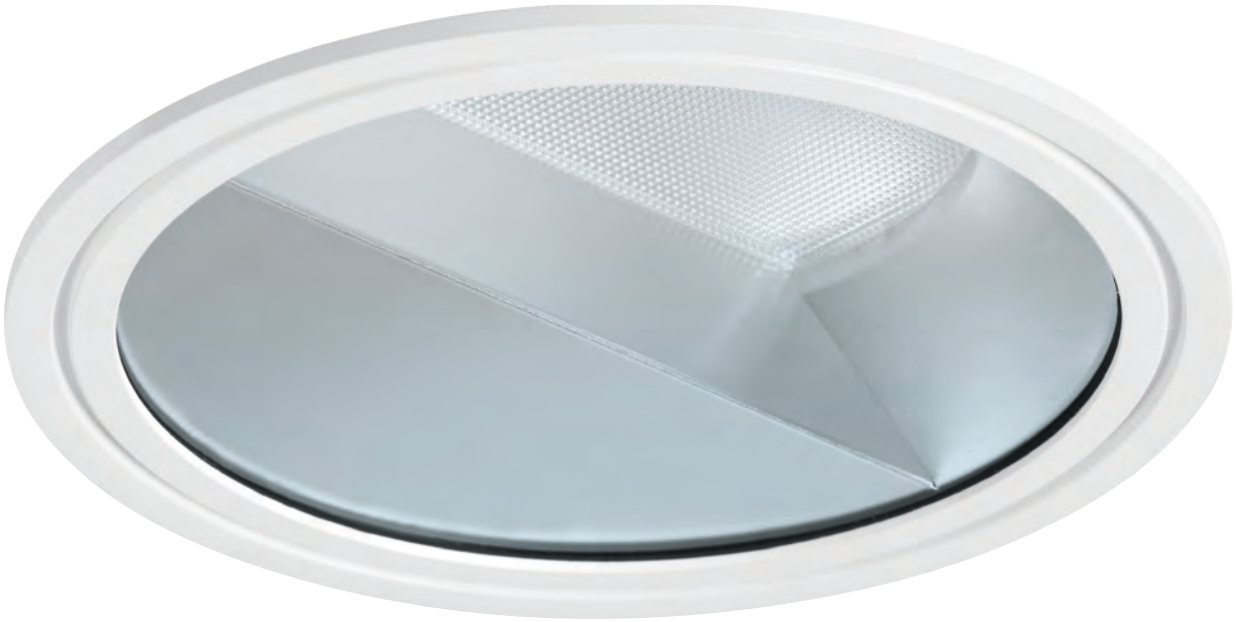
PROFESSIONELL

DOWNLIGHTS

PRETTUS M ASYM

POLISHED

LED



PRETTUS M Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20 | IP 54

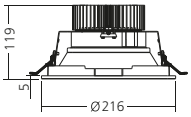
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asym. polierter Ref.+ durchsichtige Abdeckung (APT)
Auf Anfrage
Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

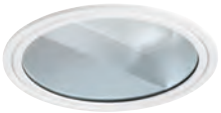
Mounting
Ceiling recessed
Light source
LED
Optical system
Asym. polished reflector + transp. cover (APT)
On request:
Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

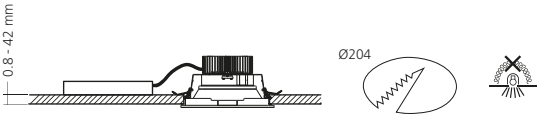


POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)

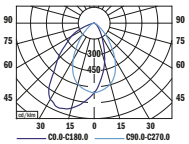
MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)



MOUNTING



PHOTOMETRY



PRETTUS M APT
2350 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
PRETTUS M APT	1500	19	79	80+	3000	1.1
PRETTUS M APT	1550	19	82	80+	4000	1.1
PRETTUS M APT	1950	24	81	80+	3000	1.1
PRETTUS M APT	2050	24	85	80+	4000	1.1
PRETTUS M APT	2350	29	81	80+	3000	1.2
PRETTUS M APT	2450	29	84	80+	4000	1.2

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

PRETTUS M TRIMLESS

POLISHED

LED

PRETTUS M Trimless

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP54

DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Einputzeinfassung: Aluminiumprofil
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Plasterboard trim: aluminium profile
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

POLISHED REFLECTOR (PRE)

MATT REFLECTOR (MRE)

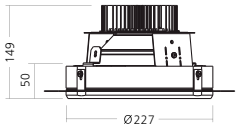
WHITE ANODISED REFLECTOR (WRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

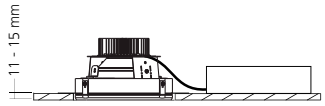
MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

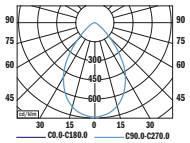
POLISHED REFLECTOR AND OPAL COVER (PRO)



MOUNTING



PHOTOMETRY



PRETTUS M TM PRT
2150 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS M TM PRE	1850	19	97	80+	3000	72°	1.8
PRETTUS M TM PRE	1950	19	103	80+	4000	72°	1.8
PRETTUS M TM PRE	2400	24	100	80+	3000	72°	1.8
PRETTUS M TM PRE	2500	24	104	80+	4000	72°	1.8
PRETTUS M TM PRE	2850	29	98	80+	3000	72°	1.8
PRETTUS M TM PRE	3000	29	103	80+	4000	72°	1.8
PRETTUS M TM PRT	1750	19	92	80+	3000	72°	2.0
PRETTUS M TM PRT	1850	19	97	80+	4000	72°	2.0
PRETTUS M TM PRT	2150	24	90	80+	3000	72°	2.0
PRETTUS M TM PRT	2300	24	96	80+	4000	72°	2.0
PRETTUS M TM PRT	2650	29	91	80+	3000	72°	2.0
PRETTUS M TM PRT	2800	29	97	80+	4000	72°	2.0
PRETTUS M TM PRO	1700	19	89	80+	3000	74°	2.0
PRETTUS M TM PRO	1800	19	95	80+	4000	74°	2.0
PRETTUS M TM PRO	2100	24	88	80+	3000	74°	2.0
PRETTUS M TM PRO	2250	24	94	80+	4000	74°	2.0
PRETTUS M TM PRO	2600	29	90	80+	3000	74°	2.0
PRETTUS M TM PRO	2750	29	95	80+	4000	74°	2.0

Luminous flux tolerance +/- 10 %.

DOWNLIGHTS

PRETTUS L
POLISHED
LED

PRETTUS L

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K
CCT 4000 K | ECG | EDA DALI | EMERGENCY
IP20 | IP40 | IP54

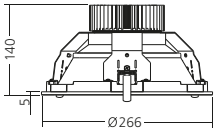
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

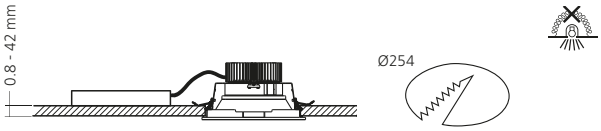
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)

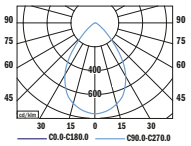
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



PRETTUS L PRT
3300 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

POLISHED REFLECTOR (PRE)

MATT REFLECTOR (MRE)

WHITE ANODISED REFLECTOR (WRE)

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)

WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(lm)	(kg)
PRETTUS L PRE	2900	29	100	80+	3000	69°	380	1.1
PRETTUS L PRE	3050	29	105	80+	4000	69°	390	1.1
PRETTUS L PRE	3350	33	102	80+	3000	69°	380	1.1
PRETTUS L PRE	3500	33	106	80+	4000	69°	390	1.1
PRETTUS L PRT	2750	29	95	80+	3000	69°	370	1.3
PRETTUS L PRT	2900	29	100	80+	4000	69°	380	1.3
PRETTUS L PRT	3150	33	95	80+	3000	69°	370	1.3
PRETTUS L PRT	3300	33	100	80+	4000	69°	380	1.3
PRETTUS L PRO	2700	29	93	80+	3000	74°	–	1.3
PRETTUS L PRO	2850	29	98	80+	4000	74°	–	1.3
PRETTUS L PRO	3100	33	94	80+	3000	74°	–	1.3
PRETTUS L PRO	3250	33	98	80+	4000	74°	–	1.3

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

PRETTUS L ASYM

POLISHED

LED

PRETTUS L Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20 | IP 54

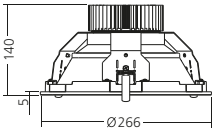
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asym. polierter Ref.+ durchsichtige Abdeckung (APT)
Auf Anfrage
Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Asym. polished reflector + transp. cover (APT)
On request:
Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

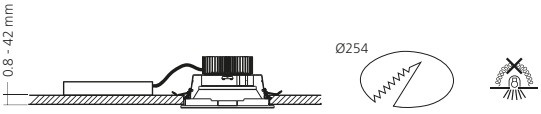
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



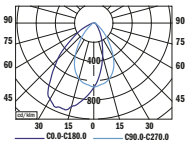
POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)

MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)

MOUNTING



PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

PRETTUS L APT
2650 lm 3000 K

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
PRETTUS L APT	2250	29	78	80+	3000	1.4
PRETTUS L APT	2350	29	81	80+	4000	1.4
PRETTUS L APT	2650	33	80	80+	3000	1.4
PRETTUS L APT	2750	33	83	80+	4000	1.4

Luminous flux tolerance +/- 10%

DOWNLIGHTS

PRETTUS XTP

POLISHED

LED

PRETTUS XTP

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP65

DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter/Weisser Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminiumdruckguss
Diffusor: mikroprismatisches PMMA
Einfassung: Aluminiumdruckguss
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler Glas
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt/White reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: die-cast aluminium
Diffuser: microprismatic PMMA
Trim: die-cast aluminium
Reflector: polished anodised aluminium
Cover: transparent/opal glass
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

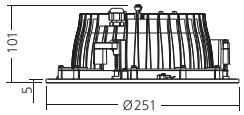
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

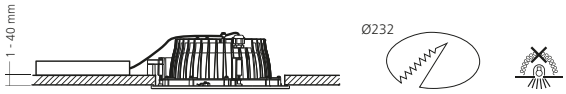
MATT REFLECTOR AND TRANSPARENT COVER (MRT)

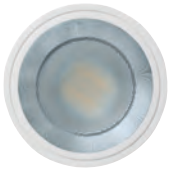
WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)

POLISHED REFLECTOR AND OPAL COVER (PRO)

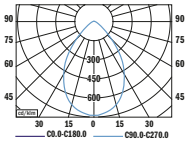


MOUNTING





PHOTOMETRY



LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <22

PRETTUS XTP PRT
3400 lm 4000 K

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
PRETTUS XTP PRT	1850	19	97	80+	3000	72°	2.0
PRETTUS XTP PRT	1950	19	103	80+	4000	72°	2.0
PRETTUS XTP PRT	2350	24	98	80+	3000	72°	2.0
PRETTUS XTP PRT	2450	24	102	80+	4000	72°	2.0
PRETTUS XTP PRT EDA	2800	29	97	80+	3000	72°	2.0
PRETTUS XTP PRT EDA	2950	29	102	80+	4000	72°	2.0
PRETTUS XTP PRT ECG	3200	30	107	80+	3000	72°	2.0
PRETTUS XTP PRT ECG	3350	30	112	80+	4000	72°	2.0
PRETTUS XTP PRO	1550	19	82	80+	3000	74°	2.0
PRETTUS XTP PRO	1650	19	87	80+	4000	74°	2.0
PRETTUS XTP PRO	2000	24	83	80+	3000	74°	2.0
PRETTUS XTP PRO	2100	24	88	80+	4000	74°	2.0
PRETTUS XTP PRO EDA	2450	29	84	80+	3000	74°	2.0
PRETTUS XTP PRO EDA	2500	29	88	80+	4000	74°	2.0
PRETTUS XTP PRO ECG	3700	30	90	80+	3000	74°	2.0
PRETTUS XTP PRO ECG	3850	30	95	80+	4000	74°	2.0

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

NOVIEL S

POLISHED

LED

NOVIEL S

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | EDA DALI | EMERGENCY

IP20 | IP40 | IP44

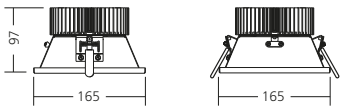
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

EN

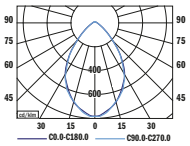
Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING

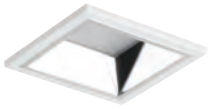
PHOTOMETRY



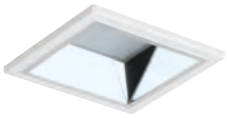
NOVIEL S PRE
1400 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

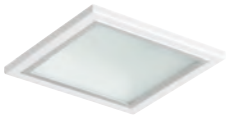
POLISHED REFLECTOR (PRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

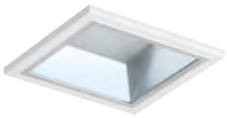


POLISHED REFLECTOR AND OPAL COVER (PRO)



MATT REFLECTOR (MRE)

MATT REFLECTOR AND TRANSPARENT COVER (MRT)



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
NOVIEL S PRE	1350	15	90	80+	3000	70°	360	0.9
NOVIEL S PRE	1400	15	93	80+	4000	70°	370	0.9
NOVIEL S PRE	1900	20	95	80+	3000	70°	360	0.9
NOVIEL S PRE	2000	20	100	80+	4000	70°	370	0.9
NOVIEL S PRT	1300	15	87	80+	3000	70°	350	0.9
NOVIEL S PRT	1350	15	90	80+	4000	70°	360	0.9
NOVIEL S PRT	1850	20	93	80+	3000	70°	350	0.9
NOVIEL S PRT	1950	20	98	80+	4000	70°	360	0.9
NOVIEL S PRO	1300	15	87	80+	3000	79°	–	0.9
NOVIEL S PRO	1350	15	90	80+	4000	79°	–	0.9
NOVIEL S PRO	1850	20	93	80+	3000	79°	–	0.9
NOVIEL S PRO	1950	20	98	80+	4000	79°	–	0.9

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

NOVIEL S ASYM

POLISHED

LED

NOVIEL S Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP44

DE

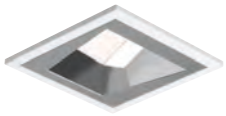
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asymmetrisch polierter Reflektor (ASP)
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

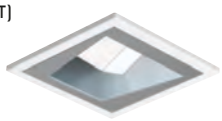
Mounting
Ceiling recessed
Light source
LED
Optical system
Asymmetric polished reflector (ASP)
Asymmetric polished reflector + transparent cover (APT)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

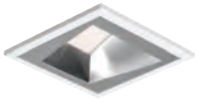
POLISHED REFLECTOR (ASP)



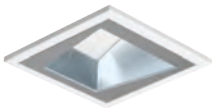
POLISHED REFLECTOR / TRANSPARENT COVER (APT)

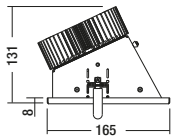


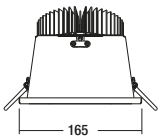
MATT REFLECTOR (ASM)



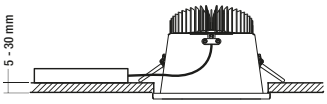
MATT REFLECTOR / TRANSPARENT COVER (AMT)

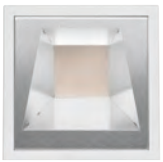




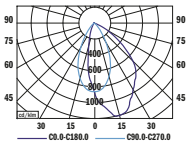


MOUNTING





PHOTOMETRY



NOVIEL S APT
1650 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
NOVIEL S ASP	1250	14	89	80+	3000	0.9
NOVIEL S ASP	1300	14	93	80+	4000	0.9
NOVIEL S ASP	1750	20	88	80+	3000	0.9
NOVIEL S ASP	1850	20	93	80+	4000	0.9
NOVIEL S APT	1150	14	82	80+	3000	0.9
NOVIEL S APT	1200	14	86	80+	4000	0.9
NOVIEL S APT	1650	20	83	80+	3000	0.9
NOVIEL S APT	1750	20	88	80+	4000	0.9

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

NOVIEL M

POLISHED

LED

NOVIEL M

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K

CCT 4000 K | ECG | EDA DALI | EMERGENCY

IP20 | IP40 | IP44

DE

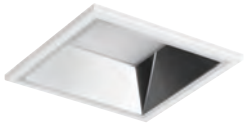
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

EN

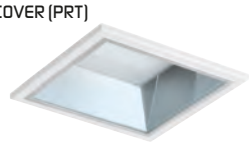
Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

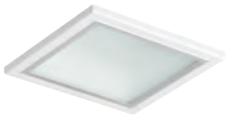
POLISHED REFLECTOR (PRE)

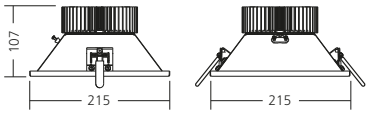


POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)

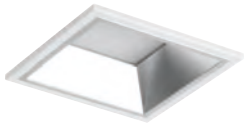


POLISHED REFLECTOR AND OPAL COVER (PRO)

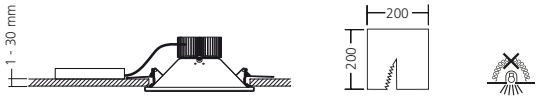




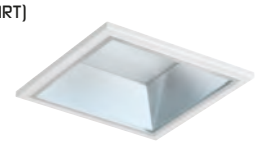
MATT REFLECTOR (MRE)



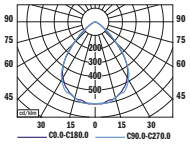
MOUNTING



MATT REFLECTOR AND TRANSPARENT COVER (MRT)

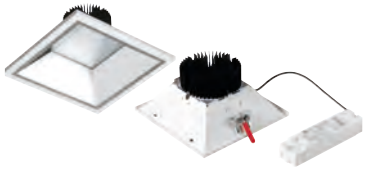


PHOTOMETRY



NOVIEL M PRE
2000 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(lm!)	(kg)
NOVIEL M PRE	2000	19	105	80+	3000	80°	370	1.1
NOVIEL M PRE	2100	19	111	80+	4000	80°	380	1.1
NOVIEL M PRE	2500	24	104	80+	3000	80°	370	1.1
NOVIEL M PRE	2650	24	110	80+	4000	80°	380	1.1
NOVIEL M PRE	2900	29	100	80+	3000	80°	370	1.2
NOVIEL M PRE	3050	29	105	80+	4000	80°	380	1.2
NOVIEL M PRT	1950	19	103	80+	3000	80°	360	1.2
NOVIEL M PRT	2050	19	108	80+	4000	80°	370	1.2
NOVIEL M PRT	2450	24	102	80+	3000	80°	360	1.2
NOVIEL M PRT	2600	24	108	80+	4000	80°	370	1.2
NOVIEL M PRT	2850	29	98	80+	3000	80°	360	1.2
NOVIEL M PRT	3000	29	103	80+	4000	80°	370	1.2
NOVIEL M PRO	1950	19	103	80+	3000	80°	–	1.2
NOVIEL M PRO	2050	19	108	80+	4000	80°	–	1.2
NOVIEL M PRO	2450	24	102	80+	3000	80°	–	1.2
NOVIEL M PRO	2600	24	108	80+	4000	80°	–	1.2
NOVIEL M PRO	2850	29	98	80+	3000	80°	–	1.2
NOVIEL M PRO	3000	29	103	80+	4000	80°	–	1.2

Luminous flux tolerance +/- 10%

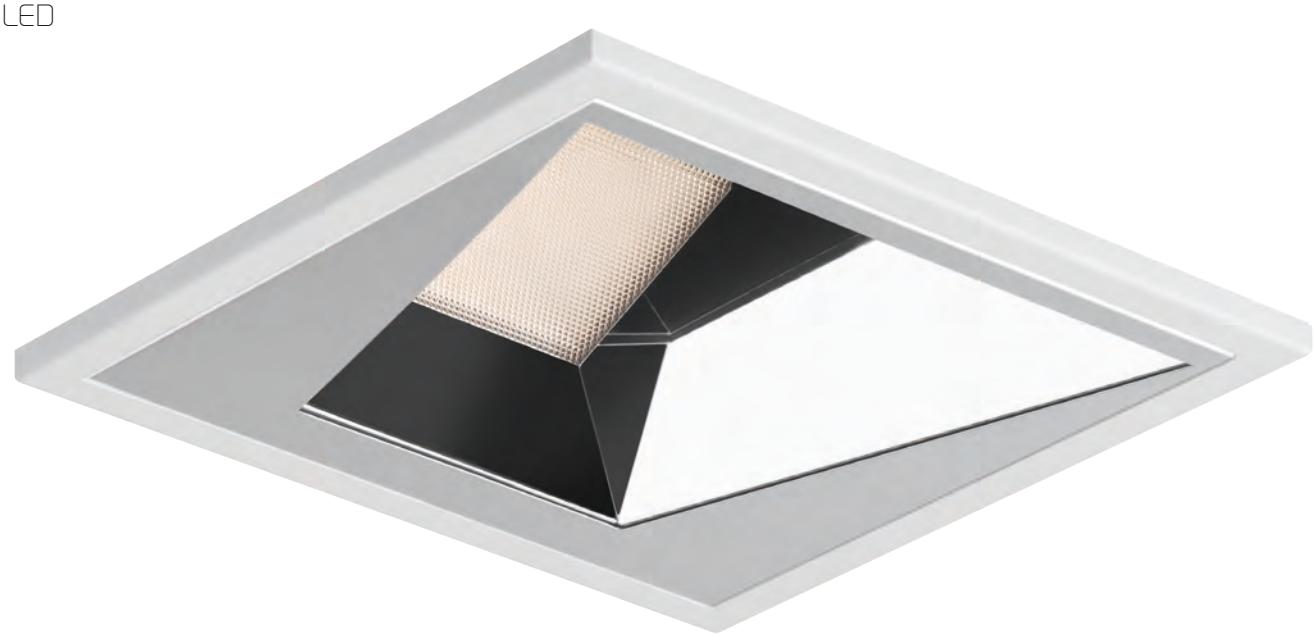
PROFESSIONELL

DOWNLIGHTS

NOVIEL M ASYM

POLISHED

LED



NOVIEL M Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP44

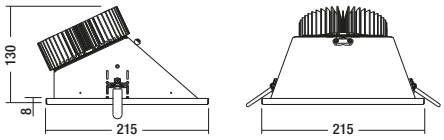
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asymmetrisch polierter Reflektor (ASP)
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

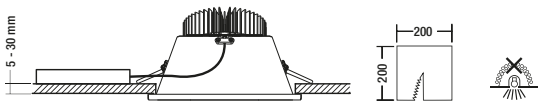
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Asymmetric polished reflector (ASP)
Asymmetric polished reflector + transparent cover (APT)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

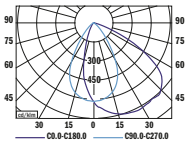
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



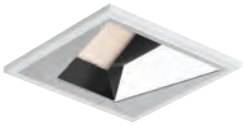
PHOTOMETRY



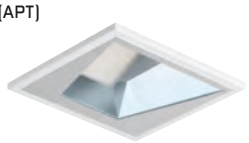
NOVIEL M ASP
2550 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

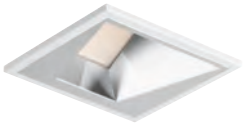
POLISHED REFLECTOR (ASP)



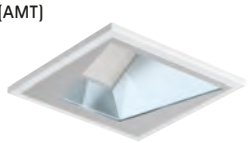
POLISHED REFLECTOR / TRANSPARENT COVER (APT)

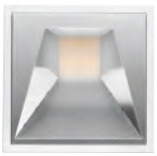


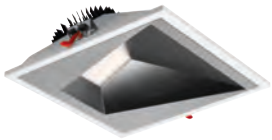
MATT REFLECTOR (ASM)



MATT REFLECTOR / TRANSPARENT COVER (AMT)







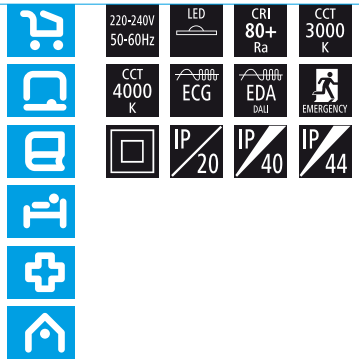
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
NOVIEL M ASP	1700	20	85	80+	3000	1.2
NOVIEL M ASP	1800	20	90	80+	4000	1.2
NOVIEL M ASP	2150	24	90	80+	3000	1.2
NOVIEL M ASP	2250	24	94	80+	4000	1.2
NOVIEL M ASP	2550	29	88	80+	3000	1.2
NOVIEL M ASP	2700	29	93	80+	4000	1.2
NOVIEL M APT	1550	20	78	80+	3000	1.2
NOVIEL M APT	1650	20	83	80+	4000	1.2
NOVIEL M APT	1950	24	81	80+	3000	1.2
NOVIEL M APT	2050	24	85	80+	4000	1.2
NOVIEL M APT	2350	29	81	80+	3000	1.2
NOVIEL M APT	2450	29	84	80+	4000	1.2

Luminous flux tolerance +/- 10%

DOWNLIGHTS

NOVIEL L
POLISHED
LED

NOVIEL L



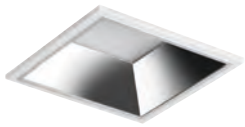
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Polierter Reflektor (PRE)
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Polierter Reflektor + opale Abdeckung (PRO)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Notbeleuchtung Variante (3H)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger/opaler PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (von +5°C mit Notbeleuchtung)

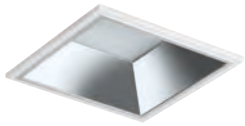
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Polished reflector (PRE)
Polished reflector + transparent cover (PRT)
Polished reflector + opal cover (PRO)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Emergency unit variant (3H)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent/opal PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (from +5°C with EM unit)

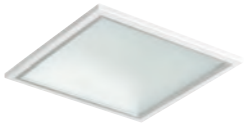
POLISHED REFLECTOR (PRE)



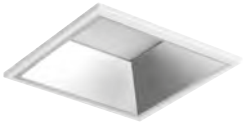
POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



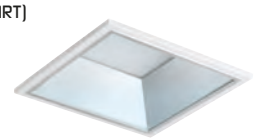
POLISHED REFLECTOR AND OPAL COVER (PRO)

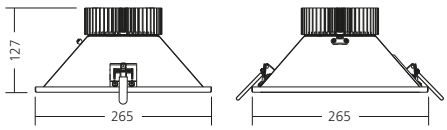


MATT REFLECTOR (MRE)

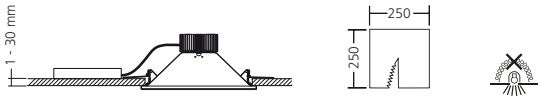


MATT REFLECTOR AND TRANSPARENT COVER (MRT)

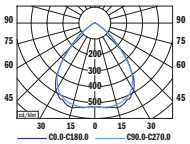




MOUNTING



PHOTOMETRY



NOVIEL L PRE
3100 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(lm)	(kg)
NOVIEL L PRE	3100	29	107	80+	3000	85°	380	1.4
NOVIEL L PRE	3250	29	112	80+	4000	85°	390	1.4
NOVIEL L PRE	3500	33	106	80+	3000	85°	380	1.4
NOVIEL L PRE	3650	33	111	80+	4000	85°	390	1.4
NOVIEL L PRT	3050	29	105	80+	3000	85°	370	1.4
NOVIEL L PRT	3200	29	110	80+	4000	85°	380	1.4
NOVIEL L PRT	3450	33	105	80+	3000	85°	370	1.6
NOVIEL L PRT	3600	33	109	80+	4000	85°	380	1.6
NOVIEL L PRO	3050	29	105	80+	3000	89°	–	1.6
NOVIEL L PRO	3200	29	110	80+	4000	89°	–	1.6
NOVIEL L PRO	3450	33	105	80+	3000	89°	–	1.6
NOVIEL L PRO	3600	33	109	80+	4000	89°	–	1.6

Luminous flux tolerance +/- 10%

PROFESSIONELL

DOWNLIGHTS

NOVIEL L ASYM

POLISHED

LED

NOVIEL L Asym

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP20 | IP40 | IP44

DE

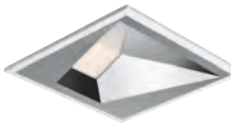
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Asymmetrisch polierter Reflektor (ASP)
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)
Auf Anfrage: Matter Reflektor
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Einfassung: Stahlblech
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger PMMA
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

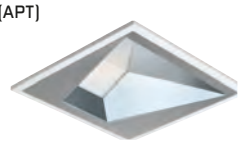
Mounting
Ceiling recessed
Light source
LED
Optical system
Asymmetric polished reflector (ASP)
Asymmetric polished reflector + transparent cover (APT)
On request: Matt reflector
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Trim: sheet steel
Reflector: polished anodised aluminium
Cover: transparent PMMA
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

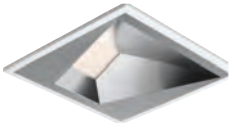
POLISHED REFLECTOR (ASP)



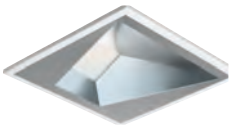
POLISHED REFLECTOR / TRANSPARENT COVER (APT)

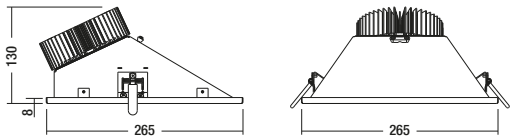


MATT REFLECTOR (ASM)

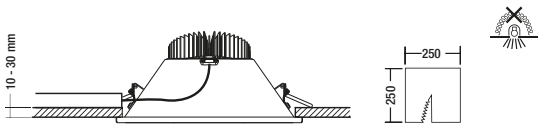


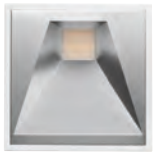
MATT REFLECTOR / TRANSPARENT COVER (AMT)



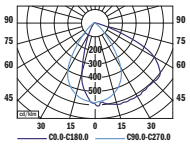


MOUNTING





PHOTOMETRY



NOVIEL L ASP
2700 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(kg)
NOVIEL L ASP	2550	29	88	80+	3000	1.5
NOVIEL L ASP	2700	29	93	80+	4000	1.5
NOVIEL L ASP	2850	33	86	80+	3000	1.5
NOVIEL L ASP	3050	33	92	80+	4000	1.5
NOVIEL L APT	2450	29	84	80+	3000	1.5
NOVIEL L APT	2550	29	88	80+	4000	1.5
NOVIEL L APT	2750	33	83	80+	3000	1.5
NOVIEL L APT	2900	33	88	80+	4000	1.5

Luminous flux tolerance +/- 10%

DOWNLIGHTS

PERLITA

FACET

LED

PERLITA

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 4000 K | ECG | EDA DALI | IP20 | IP54

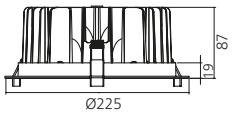
DE

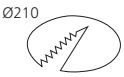
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminium
Einfassung: Aluminiumdruckguss
Reflektor: facettiertes eloxiertes Aluminium
Abdeckung: durchsichtiger Polykarbonat
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
40,000 Stunden/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

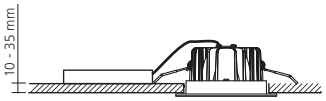
Mounting
Ceiling recessed
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: aluminium
Trim: die-cast aluminium
Reflector: facet anodised aluminium
Cover: transparent polycarbonate
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
40,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

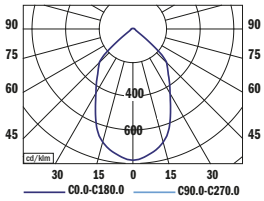
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A





MOUNTING





PERLITA L
2350 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 22

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
PERLITA L	2350	24	98	80+	4000	64°	1.4

Luminous flux tolerance +/- 10%

DOWNLIGHTS

PERLITA ADJUSTABLE

FACET

LED

PERLITA ADJUSTABLE

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

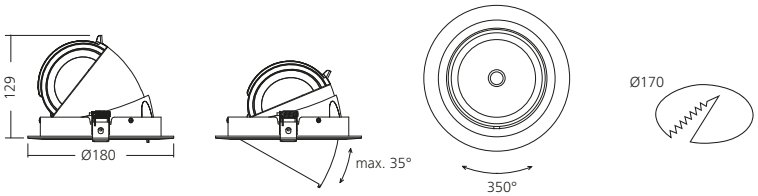
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminiumdruckguss
Reflektor: facettiertes eloxiertes Aluminium
Einfassung: Aluminiumdruckguss
Abdeckung: transparentes PC
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

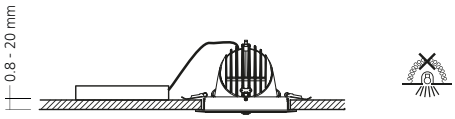
EN

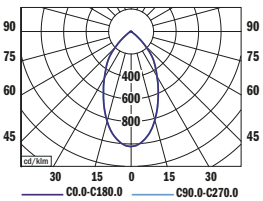
Mounting
Ceiling recessed
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: die-cast aluminium
Reflector: facet anodised aluminium
Trim: die-cast aluminium
Cover: transparent PC
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





PERLITA ADJUSTABLE
3400 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
PERLITA M ADJUSTABLE	2600	25	104	80+	3000	60°	1.2
PERLITA M ADJUSTABLE	2700	25	108	80+	4000	60°	1.2
PERLITA M ADJUSTABLE	3300	33	100	80+	3000	60°	1.2
PERLITA M ADJUSTABLE	3400	33	103	80+	4000	60°	1.2

Luminous flux tolerance +/- 10%

DOWNLIGHTS

TUBUS 292 LED

POLISHED
LED

TUBUS 292 LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

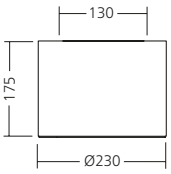
DE

Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Polierter Reflektor + durchsichtige Abdeckung (PRT)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Diffusor: mikroprismatisches PMMA
Reflektor: poliertes eloxiertes Aluminium
Abdeckung: durchsichtiger Glas
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20°C bis +35 °

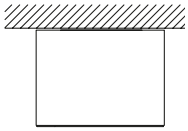
EN

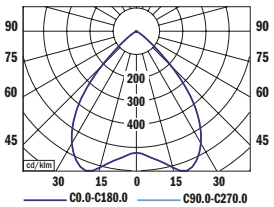
Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Polished reflector + transparent cover (PRT)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Diffuser: microprismatic PMMA
Reflector: polished anodised aluminium
Cover: transparent glass
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20°C to +35 °

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





TUBUS 292 LED
1250 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
TUBUS 292 LED	1250	12	104	80+	3000	83°	2.2
TUBUS 292 LED	1300	12	108	80+	4000	83°	2.2
TUBUS 292 LED	2250	19	118	80+	3000	83°	2.2
TUBUS 292 LED	2250	19	134	80+	4000	83°	2.2

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

TARF RECESSED

FACET

LED

TARF Recessed

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

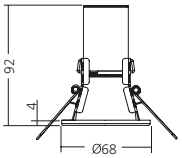
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter matter Reflector (FRM)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Reflektor: facettiertes, eloxiertes Aluminium
Einfassung: Stahlblech
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +40 °C

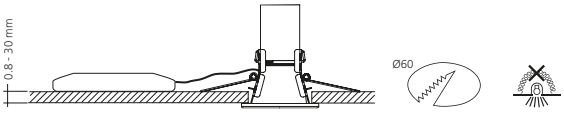
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Facet matt reflector (FRM)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Reflector: facet anodised aluminium
Trim: sheet steel
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +40 °C

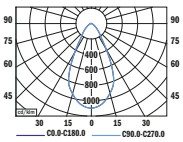
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



TARF RECESSED
1050 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <16

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
TARF RECESSED	1000	12	83	80+	3000	51°	0.3
TARF RECESSED	1050	12	88	80+	4000	51°	0.3

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

TARF ADJUSTABLE

FACET

LED

TARF Adjustable

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

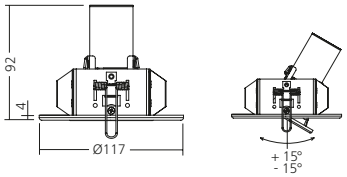
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter matter Reflector (FRM)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech
Reflektor: facettiertes, eloxiertes Aluminium
Einfassung: Stahlblech
Oberflächenveredelung
Einfassung: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +40 °C

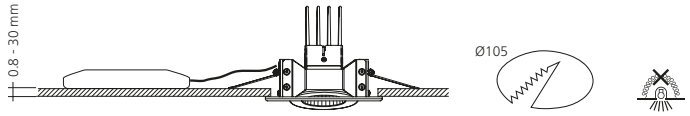
EN

Mounting
Ceiling recessed
Light source
LED
Optical system
Facet matt reflector (FRM)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel
Reflector: facet anodised aluminium
Trim: sheet steel
Surface finish
Trim: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +40 °C

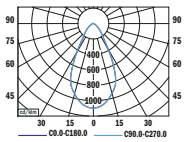
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING

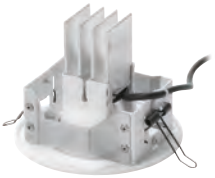


PHOTOMETRY



TARF ADJUSTABLE
1050 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <16



TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
TARF ADJUSTABLE	1000	12	83	80+	3000	51°	0.4
TARF ADJUSTABLE	1050	12	88	80+	4000	51°	0.4

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR RECESSED

FACET

LED

ZIPAR Recessed

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP20

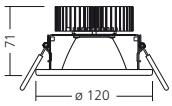
DE

Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech + extrudiertes Aluminium
Reflektor: facettiertes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

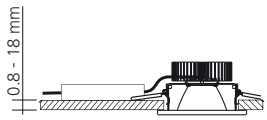
EN

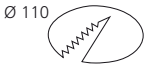
Mounting
Ceiling recessed
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel + extruded aluminium
Reflector: facet anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

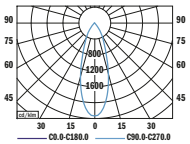


MOUNTING





PHOTOMETRY



ZIPAR RECESSED
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR RECESSED	1400	12	117	80+	3000	24°/40°	0.5
ZIPAR RECESSED	1450	12	121	80+	4000	24°/40°	0.5
ZIPAR RECESSED	2450	21	117	80+	3000	24°/40°	0.5
ZIPAR RECESSED	2750	23	120	80+	4000	24°/40°	0.5
ZIPAR RECESSED	3500	33	106	80+	3000	24°/40°	0.5
ZIPAR RECESSED	3650	33	111	80+	4000	24°/40°	0.5

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR ADJUSTABLE

FACET

LED

ZIPAR Adjustable

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

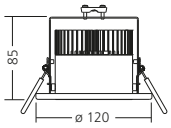
DE

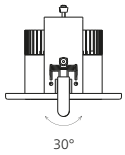
Montage
Einbauleuchte
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Stahlblech + extrudiertes Aluminium
Reflektor: facettiertes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 24°/40°
50,000 Stunden/L80/B50 (ta 25°C) - 8°
Umgebungstemperatur
Von -20 °C bis +35 °C - 24°/40°
Von -20 °C bis +30 °C - 8°

EN

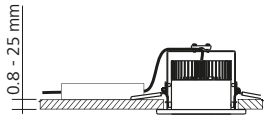
Mounting
Ceiling recessed
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: sheet steel + extruded aluminium
Reflector: facet anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 24°/40°
50,000 hours/L80/B50 (ta 25°C) - 8°
Ambient temperature
From -20 °C to +35 °C - 24°/40°
From -20 °C to +30 °C - 8°

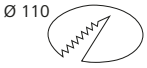
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



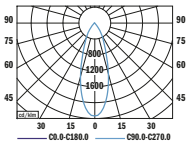


MOUNTING





PHOTOMETRY



ZIPAR ADJUSTABLE
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR ADJUSTABLE	1050	11	95	80+	3000	8°	0.8
ZIPAR ADJUSTABLE	1100	11	100	80+	4000	8°	0.8
ZIPAR ADJUSTABLE	1400	12	117	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	1450	12	121	80+	4000	24°/40°	0.5
ZIPAR ADJUSTABLE	2450	21	117	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	2750	23	120	80+	4000	24°/40°	0.5
ZIPAR ADJUSTABLE	3500	33	106	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	3650	33	111	80+	4000	24°/40°	0.5

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR SURFACED

FACET
LED

ZIPAR Surfaced

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

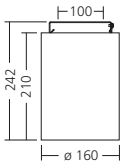
DE

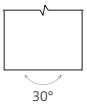
Montage
Deckenleuchte (SFD)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: extrudiertes Aluminium
Reflektor: facettiertes eloxiertes Aluminium
Obere Abdeckung: Stahlblech
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

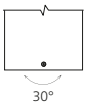
EN

Mounting
Ceiling surfaced (SFD)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: extruded aluminium
Reflector: facet anodised aluminium
Top cover: sheet steel
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

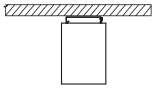
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



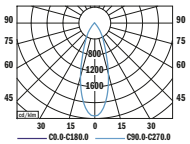




MOUNTING



PHOTOMETRY



ZIPAR SURFACED
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR SURFACED	1400	12	117	80+	3000	24°/40°	2.6
ZIPAR SURFACED	1450	12	121	80+	4000	24°/40°	2.6
ZIPAR SURFACED	2450	21	117	80+	3000	24°/40°	2.6
ZIPAR SURFACED	2750	23	120	80+	4000	24°/40°	2.6
ZIPAR SURFACED	3500	33	106	80+	3000	24°/40°	2.6
ZIPAR SURFACED	3650	33	111	80+	4000	24°/40°	2.6

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR SUPENDED

FACET

LED

ZIPAR Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

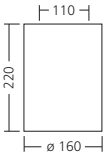
DE

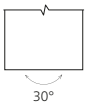
Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: extrudiertes Aluminium
Reflektor: facettiertes eloxiertes Aluminium
Obere Abdeckung: Stahlblech
Seilaufhängung
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

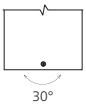
EN

Mounting
Suspended (SSD)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: extruded aluminium
Reflector: facet anodised aluminium
Top cover: sheet steel
Rope suspension
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

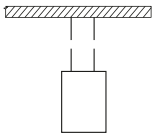
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



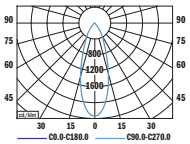




MOUNTING



PHOTOMETRY



ZIPAR SUSPENDED
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR SUSPENDED	1400	12	117	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	1450	12	121	80+	4000	24°/40°	2.5
ZIPAR SUSPENDED	2450	21	117	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	2750	23	120	80+	4000	24°/40°	2.5
ZIPAR SUSPENDED	3500	33	106	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	3650	33	111	80+	4000	24°/40°	2.5

Luminous flux tolerance +/- 10%

PROFESSIONELL

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR II SUSPENDED

FACET

LED

ZIPAR II Suspended

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

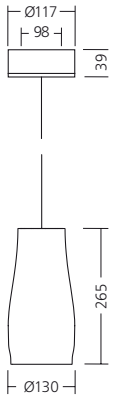
DE

Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminiumdruckguss
Reflektor: facettiertes eloxiertes Aluminium
Abdeckung: durchsichtig gehärteter Glas
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

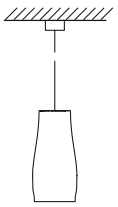
EN

Mounting
Suspended (SSD)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: die-cast aluminium
Reflector: facet anodised aluminium
Cover: transparent hardened glass
Surface finish
Housing: white RAL 9003 (W03)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +45 °C

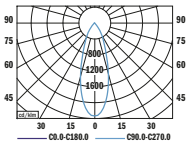
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



PHOTOMETRY



ZIPAR II SUSPENDED
40° 1500 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR II SUSPENDED	1500	12	125	80+	3000	24°/40°	2.6
ZIPAR II SUSPENDED	1550	12	129	80+	4000	24°/40°	2.6
ZIPAR II SUSPENDED	2400	19	126	80+	3000	24°/40°	2.6
ZIPAR II SUSPENDED	2500	19	132	80+	4000	24°/40°	2.6
ZIPAR II SUSPENDED	3550	31	115	80+	3000	24°/40°	2.6
ZIPAR II SUSPENDED	3650	31	118	80+	4000	24°/40°	2.6

Luminous flux tolerance +/- 10%

PROFESSIONELL

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR TRACK

FACET

LED

ZIPAR Track

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

DE

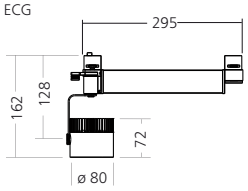
Montage
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für ONETRACK (TRS)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminiumdruckguss + Stahlblech
Reflektor: facettiertes eloxiertes Aluminium
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Verschiedene Verbindungs- und Aufhängevorrichtungen (ONETRACK)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - 24°/40°
50,000 Stunden/L80/B50 (ta 25°C) - 8°
Umgebungstemperatur
Von -20 °C bis +35 °C - 24°/40°
Von -20 °C bis +30 °C - 24°/40°

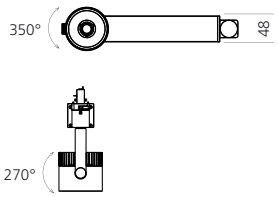
EN

Mounting
Suspended or ceiling surfaced lighting track system - suitable for ONETRACK (TRS)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: die-cast aluminium + sheet steel
Reflector: facet anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Various types of connections and suspension equipment (ONETRACK)
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - 24°/40°
50,000 hours/L80/B50 (ta 25°C) - 8°
Ambient temperature
From -20 °C to +35 °C - 24°/40°
From -20 °C to +30 °C - 8°

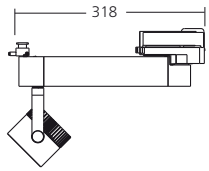
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

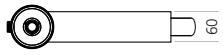
ECG



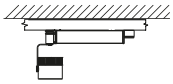


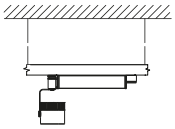
DALI



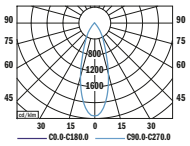


MOUNTING





PHOTOMETRY



ZIPAR TRACK
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

8°

24°

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR TRACK	1050	11	95	80+	3000	8°	0.8
ZIPAR TRACK	1100	11	100	80+	4000	8°	0.8
ZIPAR TRACK	1400	12	117	80+	3000	24°/40°	0.8
ZIPAR TRACK	1450	12	121	80+	4000	24°/40°	0.8
ZIPAR TRACK	2450	21	117	80+	3000	24°/40°	0.8
ZIPAR TRACK	2750	23	120	80+	4000	24°/40°	0.8
ZIPAR TRACK	3500	33	106	80+	4000	24°/40°	0.8
ZIPAR TRACK	3650	33	111	80+	4000	24°/40°	0.8

Luminous flux tolerance +/- 10%

PROFESSIONELL

TRACKLIGHTS AND SPOTLIGHTS

ZIPAR II TRACK

FACET

LED

ZIPAR II Track

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | IP 20

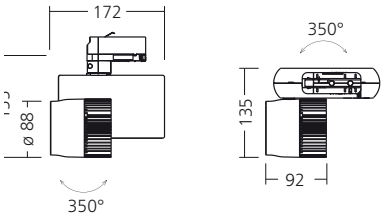
DE

Montage
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für ONETRACK (TRS)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Aluminiumdruckguss
Reflektor: facettiertes eloxiertes Aluminium
Abdeckung: durchsichtig gehärteter Glas
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Austauschbare Reflektor
Verschiedene Verbindungs- und Aufhängevorrichtungen (ONETRACK)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

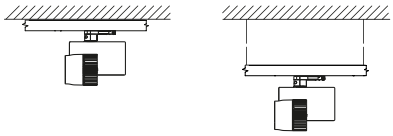
EN

Mounting
Suspended or ceiling surfaced lighting track system - suitable for ONETRACK (TRS)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX (ECG/)
Materials
Housing: die-cast aluminium
Reflector: facet anodised aluminium
Cover: transparent hardened glass
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Exhangeable reflector
Various types of connections and suspension equipment (ONETRACK)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



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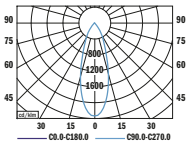


ZIPAR II TRACK
40° 1500 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
ZIPAR II TRACK	1500	12	125	80+	3000	24°/40°	1.0
ZIPAR II TRACK	1550	12	129	80+	4000	24°/40°	1.0
ZIPAR II TRACK	2400	19	126	80+	3000	24°/40°	1.0
ZIPAR II TRACK	2500	19	132	80+	4000	24°/40°	1.0
ZIPAR II TRACK	3550	31	115	80+	3000	24°/40°	1.0
ZIPAR II TRACK	3650	31	118	80+	4000	24°/40°	1.0

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

AVIOR TRACK

FACET

LED

AVIOR Track

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP 20

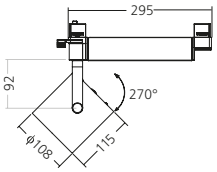
DE

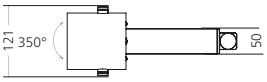
Montage
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für ONETRACK (TRS)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Aluminiumdruckguss + Stahlblech
Reflektor: facettiertes eloxiertes Aluminium
Abdeckung: Glas
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Verschiedene Verbindungs- und Aufhängevorrichtungen (ONETRACK)
Verschiedene farbige Filter
Austauschbare Reflektoren
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

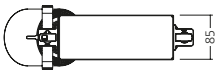
Mounting
Suspended or ceiling surfaced lighting track system - suitable for ONETRACK (TRS)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: die-cast aluminium + sheet steel
Reflector: facet anodised aluminium
Cover: glass
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Various types of connections and suspension equipment (ONETRACK)
Various coloured filters
Exhangeable reflectors
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

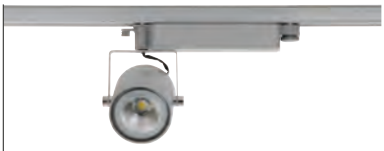
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A





53 W + DALI





53 W

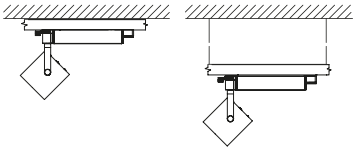
REFLECTOR 24°

REFLECTOR 40°

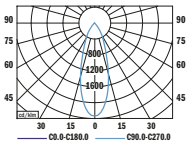
REFLECTOR 60°

RED FILTER

MOUNTING



PHOTOMETRY



AVIOR TRACK
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AVIOR TRACK	1400	12	117	80+	3000	24°/40°/60°	1.6
AVIOR TRACK	1450	12	121	80+	4000	24°/40°/60°	1.6
AVIOR TRACK	2450	21	117	80+	3000	24°/40°/60°	1.6
AVIOR TRACK	2750	23	120	80+	4000	24°/40°/60°	1.6
AVIOR TRACK	4050	38	107	80+	3000	24°/40°/60°	1.9
AVIOR TRACK	4400	40	110	80+	4000	24°/40°/60°	1.9
AVIOR TRACK	5300	52	102	80+	3000	24°/40°/60°	1.9
AVIOR TRACK	5500	52	106	80+	4000	24°/40°/60°	1.9

Luminous flux tolerance +/- 10%

PROFESSIONELL

TRACKLIGHTS AND SPOTLIGHTS

AIR II

FACET

LED

AIR II

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | IP 20

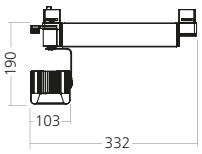
DE

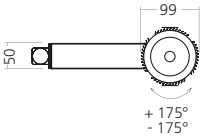
Montage
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für ONETRACK (TRS)
Lichtquelle
LED
Optisches System
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Stahlblech + extrudiertes Aluminium
Reflektor: facettiertes eloxiertes Aluminium
Oberflächenveredelung
Körper: Weiss RAL 9003 (W03)
Zubehör
Verschiedene Verbindungs- und Aufhängevorrichtungen (ONETRACK)
Verschiedene farbige Filter
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

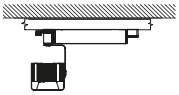
Mounting
Suspended or ceiling surfaced lighting track system - suitable for ONETRACK (TRS)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX (ECG)
Materials
Housing: sheet steel + extruded aluminium
Reflector: facet anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Various types of connections and suspension equipment (ONETRACK)
Various coloured filters
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

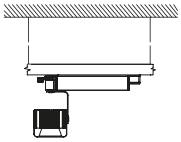
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



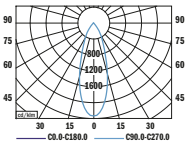


MOUNTING





PHOTOMETRY



AIR II
40° 1400 lm 3000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR <19

TYPE

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)		(kg)
AIR II	1400	12	117	80+	3000	24°/40°	1.0
AIR II	1450	12	121	80+	4000	24°/40°	1.0
AIR II	2450	21	117	80+	3000	24°/40°	1.0
AIR II	2750	23	120	80+	4000	24°/40°	1.0
AIR II	3900	37	105	80+	3000	24°/40°	1.0
AIR II	4050	37	109	80+	4000	24°/40°	1.0

Luminous flux tolerance +/- 10%

TRACKLIGHTS AND SPOTLIGHTS

AIR ECO

FACET

LED

AIR ECO

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | IP 20

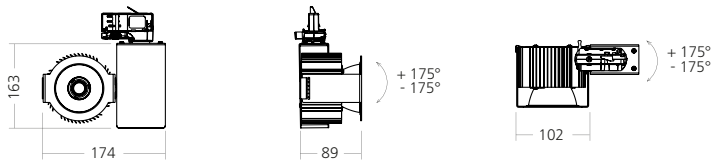
DE

Montage
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für GLOBAL Trac (TRS)
Lichtquelle
LED
Optisches system
Facettierter Refelktor (FRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Aluminiumdruckguss + Stahlblech
Reflektor: facettiertes eloxiertes Aluminium
Oberflächenveredelung
Körper: weiss RAL 9003 (W03)
Zubehör
Verschiedene Verbindungs- und Aufhängevorrichtungen (ONETRACK)
Verschiedene farbige Filter
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
umgebungstemperatur
Von -20 °C bis +35 °C

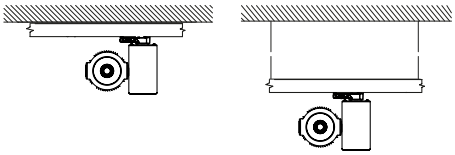
EN

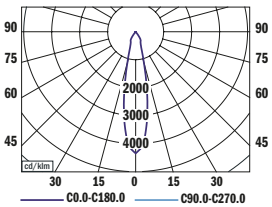
Mounting
Suspended or ceiling surfaced lighting track system - suitable for GLOBAL Trac (TRS)
Light source
LED
Optical system
Facet reflector (FRE)
Wiring
Electronic control gear FIX (ECG)
Materials
Housing: die-cast aluminium + sheet steel
Reflector: facet anodised aluminium
Surface finish
Housing: white RAL 9003 (W03)
Accessories
Various types of connections and suspension equipment (ONETRACK)
Various coloured filters
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING





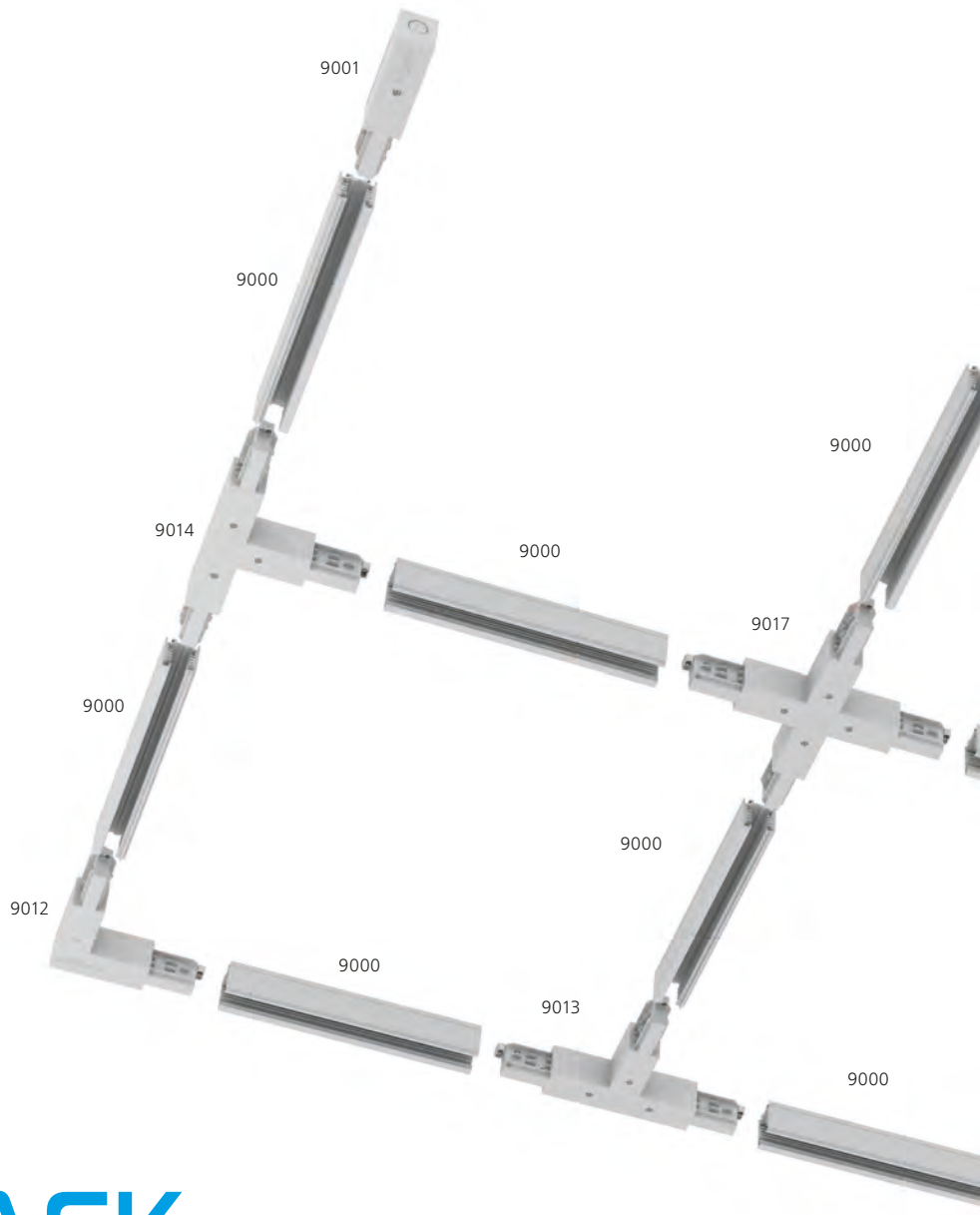
AIR ECO
2300 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 19

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
AIR ECO	1550	12	129	80+	3000	24°/40°	1.0
AIR ECO	1600	12	133	80+	4000	24°/40°	1.0
AIR ECO	2200	21	105	80+	3000	24°/40°	1.0
AIR ECO	2300	21	110	80+	4000	24°/40°	1.0
AIR ECO	4050	34	119	80+	3000	24°/40°	1.2
AIR ECO	4150	34	122	80+	4000	24°/40°	1.2

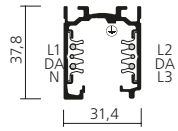
Luminous flux tolerance +/- 10%

TRACK SYSTEM
ONETRACK

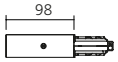


ONETRACK

STANDARD VERSION
9000-x/x-ST

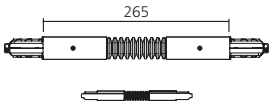


END FEED
9001 / 9002

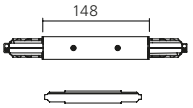


polarity grove

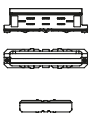
ADJUSTABLE CORNER
9018



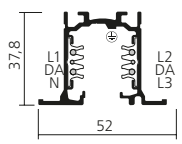
MIDDLE FEED
9010



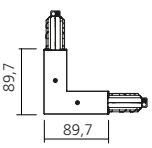
JOINT CONNECTOR
9003



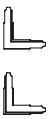
RECESSED VERSION
9000-x/x-R



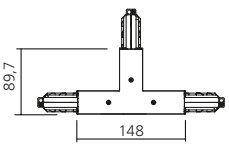
L- FEED
9011 / 9012



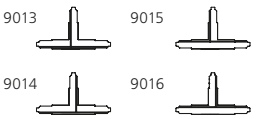
polarity grove



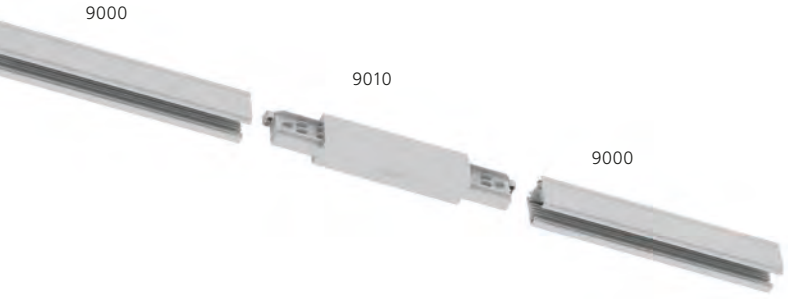
T-FEED
9013 / 9014 / 9015 / 9016

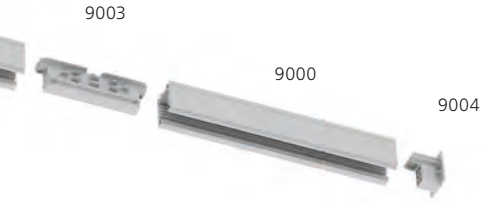


polarity grove



END CAP
9004





9000-KIT2

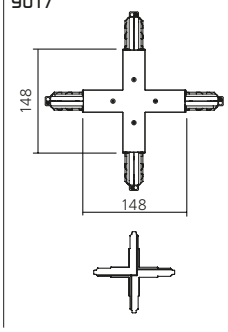
9000-KIT5

9000-KIT6

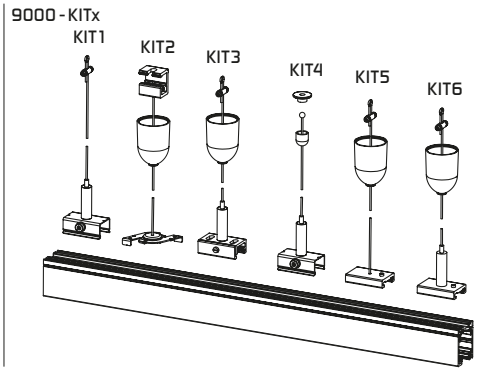
STANDARD VERSION / 9000-X/X-ST

RECESSED VERSION / 9000-X/X-R

X-FEED
9017



9000 - KITx



9000-x/x-ST	Track tube - lenght / colour - standard version
9000-x/x-R	Track tube - lenght / colour - recessed version
9001/x	End feed 1 / colour
9002/x	End feed 2 / colour
9003/x	Joint connector / colour
9003/x-M	Mechanical joint connector / colour
9004/x	End cap + locking screw / colour
9010/x	Middle feed / colour
9011/x	Internal L-feed / colour
9012/x	External L-feed / colour
9013/x	External T-feed 1 / colour
9014/x	External T-feed 2 / colour
9015/x	Internal T-feed 3 / colour
9016/x	Internal T-feed 4 / colour
9017/x	X-feed / colour
9018/x	Adjustable corner / colour
9000-KIT1-x	Suspension kit 1 - lenght
9000-KIT2-x-x	Suspension kit 2 - lenght - colour
9000-KIT3-x-x	Suspension kit 3 - lenght - colour
9000-KIT4-x-x	Suspension kit 4 - lenght
9000-KIT5-x-x	Suspension kit 5 - lenght - colour
9000-KIT6-x-x	Suspension kit 6 - lenght - colour

PROFESSIONELL

LUMINAIRES WITH HIGH PROTECTION DEGREE

TDO LED / LED WIDE

OPAL DIF / WIDE REF
LED

TDO LED / LED WIDE

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP65 | IK09

DE

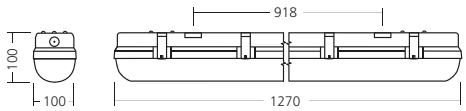
Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Breiter Reflektor (DRE)
Vorschaltgerät
Durchgangsverdrahtung (drei Optionen von Phase-Anschluss - L1 / L2 / L3)
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: grau Spritzguss-Polykarbonat
Abdeckung: Polykarbonat
Diffusor: transparentes PC, Spritzguss + opal Folie
Klips: Polykarbonat
Zubehör
Klips: rostfreier Stahl (INOX)
Seilaufhängung
Anschluss WIELAND RST 20i5
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C

EN

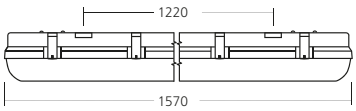
Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Opal diffuser (OPD)
Wide reflector (DRE)
Wiring
Through wiring (three options of phase connection - L1 / L2 / L3)
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: grey injected polycarbonate
Clips: polycarbonate
Diffuser: transparent injected PC + opal foil
Clips: polycarbonate
Accessories
Clips: stainless steel (INOX)
Rope suspension
Connector WIELAND RST 20i5
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

M

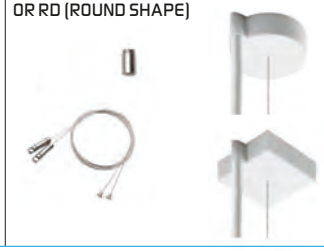


L



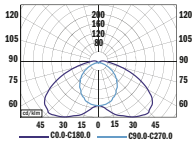
WIDE

RS-S 20 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)



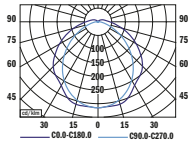
MOUNTING

PHOTOMETRY



LOR = 100%
lower flux fraction 94%
upper flux fraction 6%
UGR <25 / <28

TDO LED WIDE M
5950 lm 3000 K



LOR = 100%
lower flux fraction 94%
upper flux fraction 6%
UGR <25 / <28

TDO LED M
6500 lm 4000 K

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
TDO LED M	3400	25	136	80+	3000	122°, 96°	2.0
TDO LED M	3600	25	144	80+	4000	122°, 96°	2.0
TDO LED M	4600	31	148	80+	3000	122°, 96°	2.0
TDO LED M	4700	31	152	80+	4000	122°, 96°	2.0
TDO LED M	6500	45	144	80+	3000	122°, 96°	2.0
TDO LED M	6750	45	150	80+	4000	122°, 96°	2.0
TDO LED L	4550	33	138	80+	3000	120°, 96°	2.5
TDO LED L	4750	33	144	80+	4000	120°, 96°	2.5
TDO LED M WIDE	3150	25	126	80+	3000	150°, 100°	2.2
TDO LED M WIDE	3300	25	132	80+	4000	150°, 100°	2.2
TDO LED M WIDE	4250	31	137	80+	3000	150°, 100°	2.2
TDO LED M WIDE	4300	31	139	80+	4000	150°, 100°	2.2
TDO LED M WIDE	5950	45	132	80+	3000	150°, 100°	2.2
TDO LED M WIDE	6250	45	139	80+	4000	150°, 100°	2.2
TDO LED L WIDE	4200	33	127	80+	3000	150°, 100°	2.7
TDO LED L WIDE	4350	33	132	80+	4000	150°, 100°	2.7

Luminous flux tolerance +/- 10%.

LUMINAIRES WITH HIGH PROTECTION DEGREE

TDO STEEL LED

OPAL
STANDARD / INDUSTRIAL

TDO STEEL LED

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 3000 K | CCT 4000 K | ECG | EDA DALI | IP65 | IK10

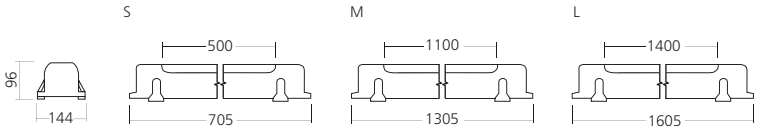
DE

Montage
Hängend (SSD)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: Edelstahl
Clips: Edelstahl, Sicherungsschrauben
Diffusor: sandgestrahlt Hartglass
Zubehör
Kettenaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +35 °C (S Standard)
Bis +40 °C (M, L Standard)
Bis +45 °C (L Industrial)
Bis +50 °C (M Industrial)

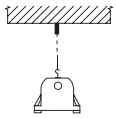
EN

Mounting
Suspended (SSD)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: stainless steel
Clips: stainless steel, securing screws
Diffuser: sanded hardened glass
Accessories
Chain suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -20 °C to +35 °C (S Standard)
To +40 °C (M, L Standard)
To +45 °C (L Industrial)
To +50 °C (M Industrial)

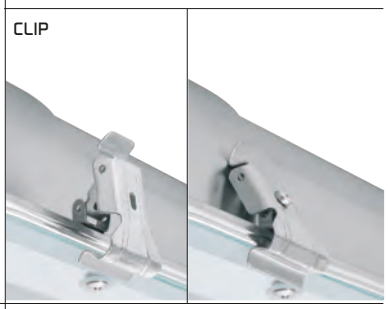
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



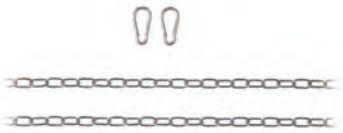
MOUNTING

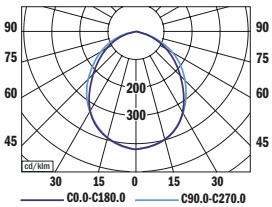


CLIP



CHS 60 L150





TDO STEEL LED
5650 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%
UGR < 25

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
TDO STEEL LED S	2550	22	116	80+	3000	90°, 98°	3.5
TDO STEEL LED S	2700	22	123	80+	4000	90°, 98°	3.5
TDO STEEL LED M	5400	44	123	80+	3000	90°, 98°	5.8
TDO STEEL LED M	5650	44	128	80+	4000	90°, 98°	5.8
TDO STEEL LED L	6750	53	127	80+	3000	90°, 98°	7.0
TDO STEEL LED L	7100	53	134	80+	4000	90°, 98°	7.0

Luminous flux tolerance +/- 10%.

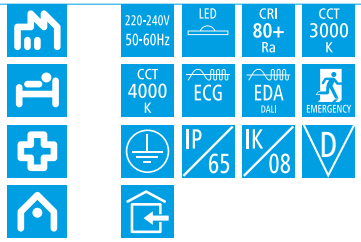
LUMINAIRES WITH HIGH PROTECTION DEGREE

TDO II ECO LED

OPAL

LED

TDO II ECO LED

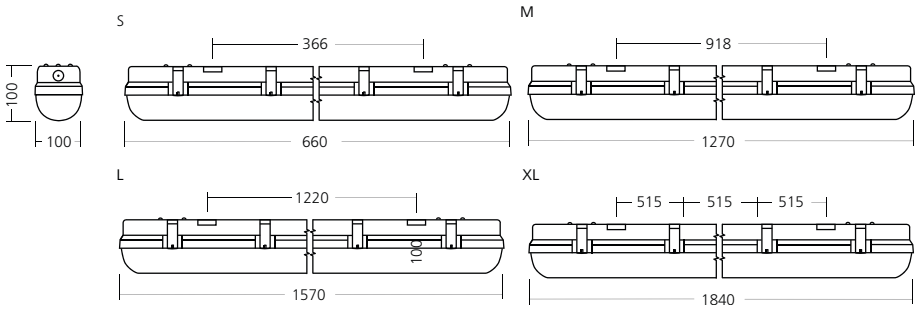


DE

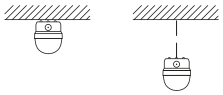
Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Opaler Diffusor (OPD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Material
Körper: grau Spritzguss-Polykarbonat
Clips: Polykarbonat / rostfreier Stahl (INOX)
Diffusor: Polykarbonat
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C) - S/M/L
50,000 Stunden/L80/B20 (ta 25°C) - XL
Umgebungstemperatur
Von +5 °C bis +25 °C (EM)
Von -20 °C bis +30 °C (M 43W/L 68W/XL)
Von -20 °C bis +40 °C (S/M 34W/L 50W)
Von -20 °C bis +50 °C (M 20W/L 30W)

EN

Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Opal diffuser (OPD)
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
Materials
Housing: grey injected polycarbonate
Clips: polycarbonate / stainless steel (INOX)
Diffuser: polycarbonate
Accessories
Rope suspension
Service lifetime
50,000 hours/L80/B10 (ta 25°C) - S/M/L
50,000 hours/L80/B20 (ta 25°C) - XL
Ambient temperature
From +5 °C to +25 °C (EM)
From -20 °C to +30 °C (M 43W/L 68W/XL)
From -20 °C to +40 °C (S/M 34W/L 50W)
From -20 °C to +50 °C (M 20W/L 30W)

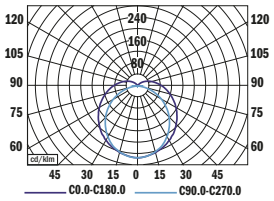


MOUNTING



HOLDERS

RS-S 20 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)



TDO II ECO LED M
6000 lm 4000 K

LOR = 100%
lower flux fraction 88%
upper flux fraction 12%
UGR < 28

TYPE	NET LUMEN OUTPUT (at Ta = 25°C) (lm)	POWER CONSUPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
TDO II ECO LED S	2950	24	123	80+	3000	157°, 111°	-	1.3
TDO II ECO LED S	3050	24	127	80+	4000	157°, 111	-	1.3
TDO II ECO LED M	2250	20	113	80+	3000	157°, 111	-	2.3
TDO II ECO LED M	2350	20	118	80+	4000	157°, 111	-	2.3
TDO II ECO LED M	4050	34	119	80+	3000	153°,111°	-	2.3
TDO II ECO LED M	4200	34	124	80+	4000	153°,111°	-	2.3
TDO II ECO LED M	5800	43	135	80+	3000	153°,111°	-	2.3
TDO II ECO LED M	6000	43	140	80+	4000	153°,111°	-	2.3
TDO II ECO LED L	3250	30	108	80+	3000	153°,111°	-	2.8
TDO II ECO LED L	3400	30	113	80+	4000	153°,111°	-	2.8
TDO II ECO LED L	5900	50	118	80+	3000	153°,111°	660	2.8
TDO II ECO LED L	6150	50	123	80+	4000	153°,111°	680	2.8
TDO II ECO LED L	8950	68	132	80+	3000	153°,111°	-	2.8
TDO II ECO LED L	9300	68	137	80+	4000	153°,111°	-	2.8
TDO II ECO LED XL	11,200	88	127	80+	3000	153°,111°	-	3.3
TDO II ECO LED XL	11,650	88	132	80+	4000	153°,111°	-	3.3

Luminous flux tolerance +/- 10%

LUMINAIRES WITH HIGH PROTECTION DEGREE

ORIA

PRISMA
LED

ORIA

220-240V 50-60Hz | LED | CRI 80+ Ra | CCT 4000 K | ECG | IP65 | IK08

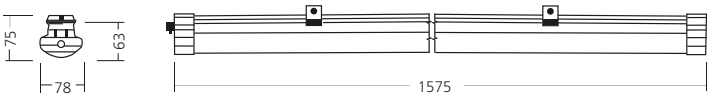
DE

Montage
Deckenleuchte/Hängend (S/S)
Lichtquelle
LED
Optisches System
Prismatischer Diffusor (PRD)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Externes Anschlusskabel
Material
Körper: grau Spritzguss-Polykarbonat
Diffusor: Polykarbonat
Zubehör
Seilaufhängung
Lebensdauer
50,000 Stunden/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -20 °C bis +30 °C

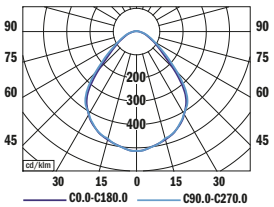
EN

Mounting
Surfaced/Suspended (S/S)
Light source
LED
Optical system
Prismatic diffuser (PRD)
Wiring
Electronic control gear FIX (ECG)
External lead-in flexible cable
Materials
Housing: grey injected polycarbonate
Diffuser: polycarbonate
Accessories
Rope suspension
Service lifetime
50,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -20 °C to +30 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



LOR = 100%
lower flux fraction 95%
upper flux fraction 5%
UGR > 28

ORIA
6700 lm 4000 K

RS-S 36 L150 SQ (SQUARE SHAPE)
OR RD (ROUND SHAPE)

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(kg)
ORIA L	6700	51	131	80+	4000	115,105°	2.0

Luminous flux tolerance +/- 10%

LUMINAIRES WITH HIGH PROTECTION DEGREE

CAPRICORN LED

MATT
LED

CAPRICORN LED

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 5000 K | ECG | IP65 | IK08

DE

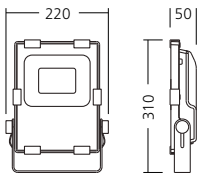
Montage
Wandleuchte/aufsatz-Installation (W/P)
Lichtquelle
LED
Optisches System
Matter Reflektor (MRE)
Vorschaltgerät
Elektronisches Vorschaltgerät FIX (ECG)
Material
Körper: Aluminiumdruckguss + Stahlblech
Reflektor: eloxiertes Aluminium
Reflektorabdeckung: transparentes Hartglas
Oberflächenveredelung
Körper: schwarz RAL 9005 (B05)
Lebensdauer
50,000 Stunden/L70/B50 (ta 25°C)
Umgebungstemperatur
Von -30 °C bis +35 °C

EN

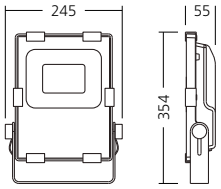
Mounting
Wall mounted/pole-top installation (W/P)
Light source
LED
Optical system
Matt reflector (MRE)
Wiring
Electronic control gear FIX (ECG)
Materials
Housing: die-cast aluminium + sheet steel
Reflector: anodised aluminium
Reflector cover: transparent hardened glass
Surface finish
Housing: black RAL 9005 (B05)
Service lifetime
50,000 hours/L70/B50 (ta 25°C)
Ambient temperature
From -30 °C to +35 °C

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

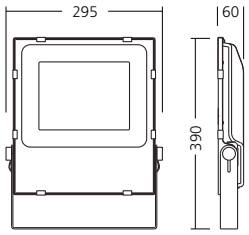
XS



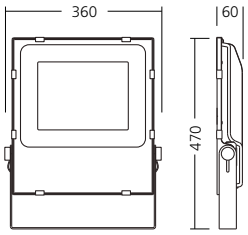
S

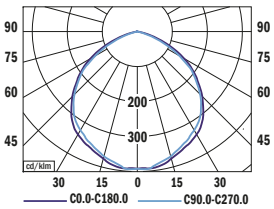


M



L





CAPRICORN LED S
10,500 lm 5000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WINDAGE AREA (m^2)	WEIGHT (kg)
CAPRICORN LED XS	6600	50	132	70+	5000	110°	0.054	2.4
CAPRICORN LED S	10,500	80	131	70+	5000	110°	0.069	3.5
CAPRICORN LED M	13,050	100	131	70+	5000	110°	0.091	4.6
CAPRICORN LED L	26,400	200	132	70+	5000	110°	0.139	6.8

Luminous flux tolerance +/- 10%

PROFESSIONELL

POST-TOP AND SIDE-ENTRY MOUNTING

MEGIN II M

LENSES
LED

MEGIN II M

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 3000 K | CCT 4000 K | ECC ECG + CLO | EDO DALI + CLO | EBC 100/50%+CLO | EPO INT DIM+CLO | IP 67 | IK 10

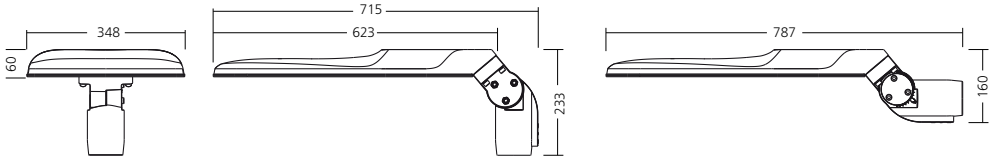
DE

Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (L01)
Auf Anfrage: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: Polykarbonat
Rahmen: Stahlblech
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
100,000 Stunden/L90/B10 (ta 25°C) - 25/35/44/59/71W
100,000 Stunden/L80/B10 (ta 25°C) - 87/122W
Umgebungstemperatur
Von -40 °C bis +50 °C

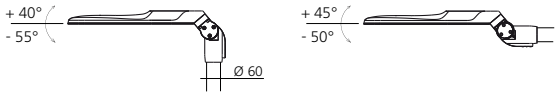
EN

Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (L01)
On request: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Wiring
Electronic control gear FIX/DALI/STEP DIM/INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: polycarbonate
Frame: sheet steel
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
100,000 hours/L90/B10 (ta 25°C) - 25/35/44/59/71W
100,000 hours/L80/B10 (ta 25°C) - 87/122W
Ambient temperature
From -40 °C to +50 °C

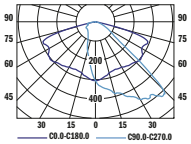
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



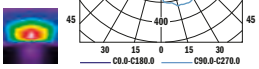
PHOTOMETRY



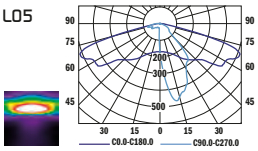
LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

MEGIN II M
L01 10,850 lm 4000 K

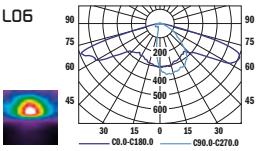
L04



L05



L06



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION INITIAL (W)	POWER CONSUMPTION END SL* (W)	SYSTEM EFFICACY INITIAL (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m^2)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)
MEGIN II M	2800	25	27	112	70+	3000	0.028/0.193	8.9	5-8
MEGIN II M	2950	25	27	118	70+	4000	0.028/0.193	8.9	5-8
MEGIN II M	3750	35	37	107	70+	3000	0.028/0.193	9.4	5-8
MEGIN II M	3950	35	37	113	70+	4000	0.028/0.193	9.4	5-8
MEGIN II M	4600	44	47	105	70+	3000	0.028/0.193	9.4	7-10
MEGIN II M	4900	44	47	111	70+	4000	0.028/0.193	9.4	7-10
MEGIN II M	7000	59	62	119	70+	3000	0.028/0.193	9.4	7-10
MEGIN II M	7350	59	62	125	70+	4000	0.028/0.193	9.4	7-10
MEGIN II M	8400	71	75	118	70+	3000	0.028/0.193	9.4	7-10
MEGIN II M	8750	71	75	123	70+	4000	0.028/0.193	9.4	7-10
MEGIN II M	10,400	87	92	120	70+	3000	0.028/0.193	9.5	8-12
MEGIN II M	10,850	87	92	125	70+	4000	0.028/0.193	9.5	8-12
MEGIN II M	13,650	122	130	112	70+	3000	0.028/0.193	9.5	8-12
MEGIN II M	14,250	122	130	117	70+	4000	0.028/0.193	9.5	8-12

Luminous flux tolerance +/- 10%
* Service Lifetime

PROFESSIONELL

POST-TOP AND SIDE-ENTRY MOUNTING

MEGIN L

LENSES
LED

MEGIN L

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 3000 K | CCT 4000 K | ECC ECG + CLO | EDO DALI + CLO | EBC 100/50%+CLO | EPO INT DIM+CLO | IP 65 | IK 08

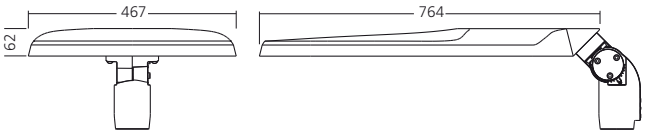
DE

Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle LED
Optisches System
Linsen (L01)
Auf Anfrage: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtiger gehärteter Glas
Rahmen: Stahlblech
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
100,000 Stunden/L90/B10 (ta 25°C) - 118W
100,000 Stunden/L80/B10 (ta 25°C) - 157/173W
100,000 Stunden/L80/B20 (ta 25°C) - 207W
Umgebungstemperatur
Von -35 °C bis +40 °C

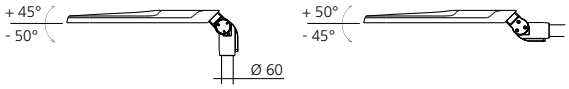
EN

Mounting
Pole-top/side entry installation (PMT)
Light source LED
Optical system
Lenses (L01)
On request: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Wiring
Electronic control gear FIX/DALI/STEP DIM/ INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Frame: sheet steel
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
100,000 hours/L90/B10 (ta 25°C) - 118W
100,000 hours/L80/B10 (ta 25°C) - 157/173W
100,000 hours/L80/B20 (ta 25°C) - 207W
Ambient temperature
From -35 °C to +40 °C

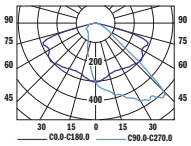
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



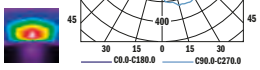
PHOTOMETRY



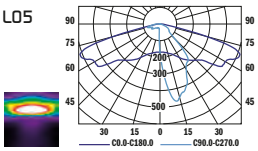
LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

MEGIN L
L01 18,850 lm 4000 K

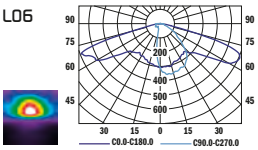
L04



L05



L06



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION INITIAL (W)	POWER CONSUMPTION END SL* (W)	SYSTEM EFFICACY INITIAL (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m^2)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)
MEGIN L	14,950	118	125	127	70+	3000	0.038/0.32	23.0	8-12
MEGIN L	15,850	118	125	134	70+	4000	0.038/0.32	23.0	8-12
MEGIN L	17,250	157	167	110	70+	3000	0.038/0.32	23.0	8-12
MEGIN L	18,250	157	167	116	70+	4000	0.038/0.32	23.0	8-12
MEGIN L	20,200	173	183	117	70+	3000	0.038/0.32	23.6	8-12
MEGIN L	21,400	173	183	124	70+	4000	0.038/0.32	23.6	8-12
MEGIN L	23,400	207	219	113	70+	3000	0.038/0.32	23.6	10-15
MEGIN L	24,750	207	219	120	70+	4000	0.038/0.32	23.6	10-15

Luminous flux tolerance +/- 10%
* Service Lifetime

PROFESSIONELL

POST-TOP AND SIDE-ENTRY MOUNTING

DALYA S

LENSES
LED

DALYA S

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 4000 K
ECC ECG + CLO | EBC 100/50%+CLO | EPO INT DIM+CLO | DRO DALI+RC+CLO
IP 66 | IK 09

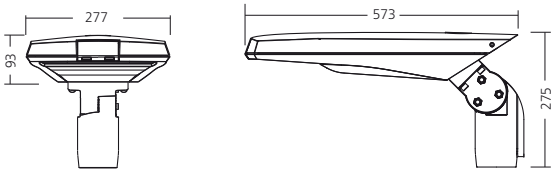
DE

Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (L01)
Auf Anfrage: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/STEP DIM/INT DIM/DALI RADIO CONTROL + CONSTANT LUMEN OUTPUT (ECC/EBC/EPO/DRO)
Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtiger gehärteter Glas
Rahmen: Stahlblech
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
100,000 Stunden/L100/B10 (ta 25°C)
Umgebungstemperatur
Von -40 °C bis +50 °C

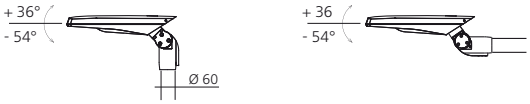
EN

Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (L01)
On request: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Wiring
Electronic control gear FIX/STEP DIM/INT DIM/DALI RADIO CONTROL + CONSTANT LUMEN OUTPUT (ECC/EBC/EPO/DRO)
External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Frame: sheet steel
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
100,000 hours/L100/B10 (ta 25°C)
Ambient temperature
From -40 °C to +50 °C

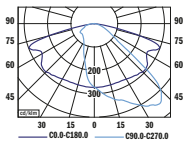
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



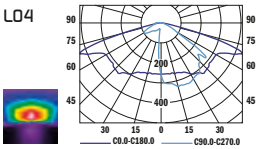
PHOTOMETRY



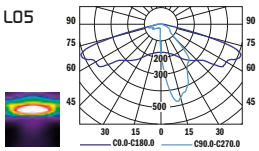
LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

DALYA S
L01 5750 lm 4000 K

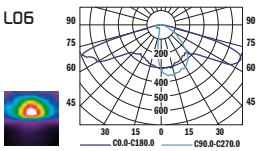
L04



L05



L06



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION INITIAL (W)	POWER CONSUMPTION END SL* (W)	SYSTEM EFFICACY INITIAL (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m^2)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)
DALYA S ECC/EBC/EPO	1800	15	16	120	70+	4000	0.035/0.140	8.2	5-8
DALYA S ECC/EBC/EPO	2900	24	26	121	70+	4000	0.035/0.140	8.2	5-8
DALYA S ECC/EBC/EPO	3850	31	34	124	70+	4000	0.035/0.140	8.2	5-8
DALYA S ECC/EBC/EPO	4900	41	45	120	70+	4000	0.035/0.140	8.2	5-8
DALYA S ECC/EBC/EPO	5750	49	54	117	70+	4000	0.035/0.140	8.2	7-10
DALYA S DRO	1800	19	20	95	70+	4000	0.035/0.140	8.3	7-10
DALYA S DRO	2900	28	30	104	70+	4000	0.035/0.140	8.3	7-10
DALYA S DRO	3850	35	38	110	70+	4000	0.035/0.140	8.3	7-10
DALYA S DRO	4900	45	49	109	70+	4000	0.035/0.140	8.3	7-10
DALYA S DRO	5750	53	58	108	70+	4000	0.035/0.140	8.3	7-10

Luminous flux tolerance +/- 10%
* Service Lifetime

PROFESSIONELL

POST-TOP AND SIDE-ENTRY MOUNTING

DALYA M

LENSES
LED

DALYA M

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 3000 K
CCT 4000 K | ECC ECG + CLO | EDO DALI + CLO | EBC 100/50%+CLO
EPO INT DIM+CLO | | IP 66 | IK 10

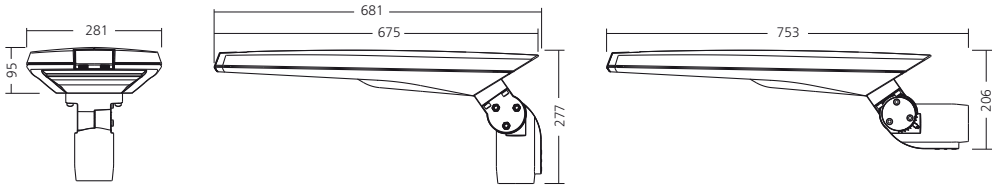
DE

Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (L01)
Auf Anfrage: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtiger gehärteter Glas
Rahmen: Stahlblech
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
100,000 Stunden/L100/B10 (ta 25°C)
Umgebungstemperatur
Von -40 °C bis +35 °C (108W)
Von -40 °C bis +45 °C (Andere Versionen)

EN

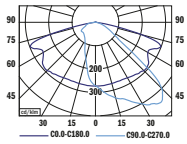
Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (L01)
On request: L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L18
Wiring
Electronic control gear FIX/DALI/STEP DIM/ INT DIM + CONSTANT LUMEN OUTPUT (ECC/EDO/EBC/EPO); External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Frame: sheet steel
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
100,000 hours/L100/B10 (ta 25°C)
Ambient temperature
From -40 °C to +35 °C (108W)
From -40 °C to +45 °C (other versions)

5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING

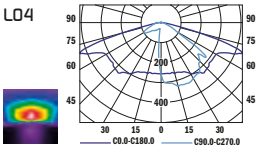
PHOTOMETRY



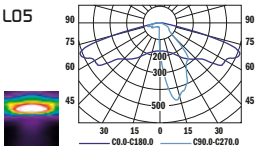
DALYA M
L01 11,750 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

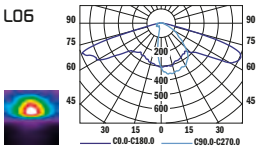
L04



L05



L06



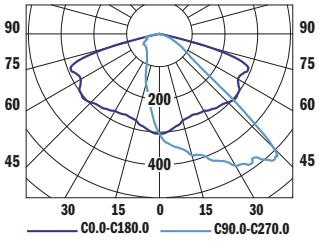
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION INITIAL (W)	POWER CONSUMPTION END SL* (W)	SYSTEM EFFICACY INITIAL (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m^2)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)
DALYA M	2100	17	19	124	70+	3000	0.047/0.154	9.4	5-8
DALYA M	2200	17	19	129	70+	4000	0.047/0.154	9.4	5-8
DALYA M	3100	25	27	124	70+	3000	0.047/0.154	9.4	5-8
DALYA M	3300	25	27	132	70+	4000	0.047/0.154	9.4	5-8
DALYA M	4150	32	35	130	70+	3000	0.047/0.154	9.4	7-10
DALYA M	4350	32	35	136	70+	4000	0.047/0.154	9.4	7-10
DALYA M	5150	40	43	129	70+	3000	0.047/0.154	9.5	7-10
DALYA M	5450	40	43	136	70+	4000	0.047/0.154	9.5	7-10
DALYA M	6150	47	51	131	70+	3000	0.047/0.154	9.5	7-10
DALYA M	6500	47	51	138	70+	4000	0.047/0.154	9.5	7-10
DALYA M	8050	65	75	124	70+	3000	0.047/0.154	9.5	7-10
DALYA M	8550	65	75	132	70+	4000	0.047/0.154	9.5	7-10
DALYA M	10,200	87	104	117	70+	3000	0.047/0.154	10.2	8-12
DALYA M	10,750	87	104	124	70+	4000	0.047/0.154	10.2	8-12
DALYA M	11,650	108	137	108	70+	3000	0.047/0.154	10.2	8-12
DALYA M	12,300	108	137	114	70+	4000	0.047/0.154	10.2	8-12

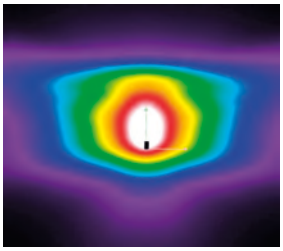
Luminous flux tolerance +/- 10%
* Service Lifetime

OPTIC
LENSES

Low-glare lens optics that deliver any of 13 different LIDCs means there is a MEGIN for any application – from roads and pavements through squares and paths to junctions and pedestrian crossings.

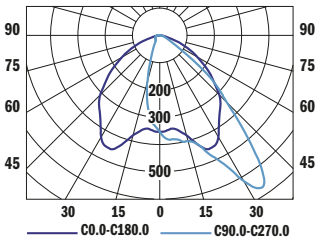
L01
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.

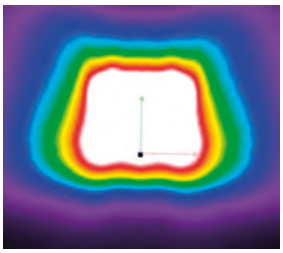




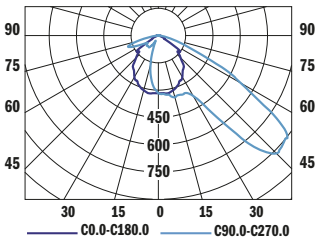
Optical system has been carefully designed by experienced optical engineers to ensure its suitability for areas where glare control is important according to Luminous Intensity Classification EN 13201-1 Appendix A1.

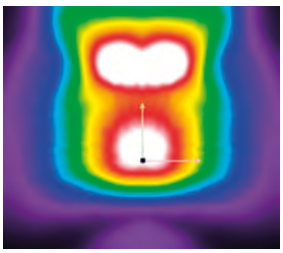
L02
Determined for the illumination of wide streets or similar areas. Light is distributed predominantly in front of the luminaire so as to reach further. as to minimise light pollution.



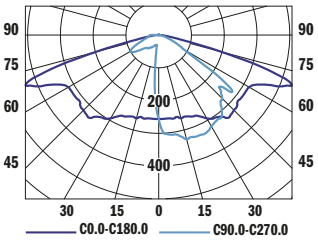


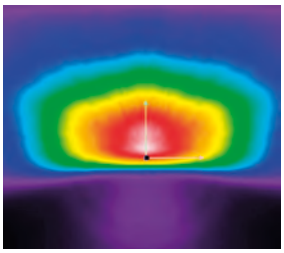
L03
Determined for the illumination of wide streets or similar areas. Light is distributed predominantly in front of the luminaire so as to reach further.



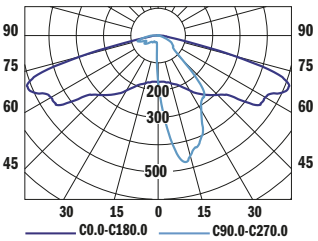


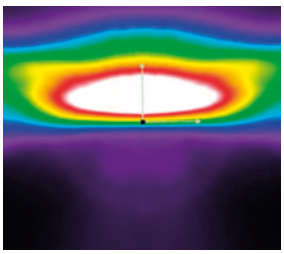
L04
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.





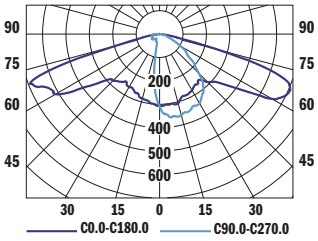
L05
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.

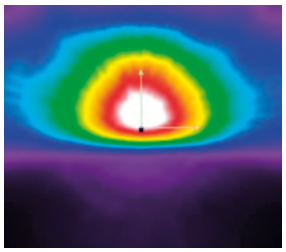




L06

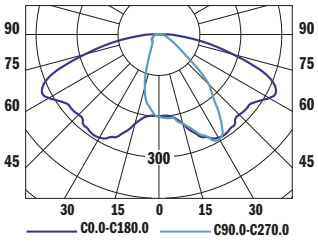
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.

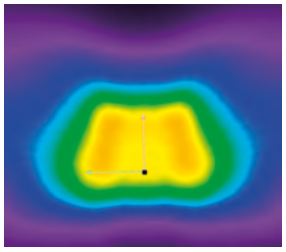




L07

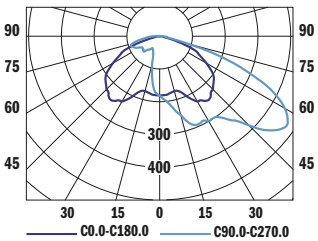
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.

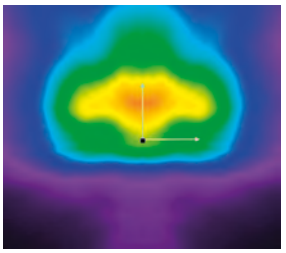




L08

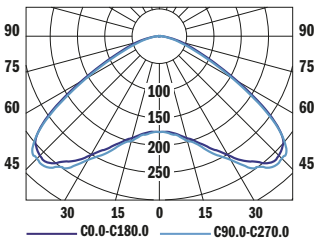
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.

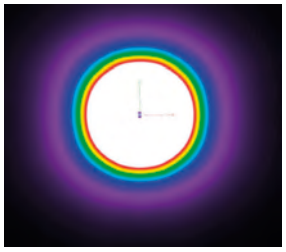




L09

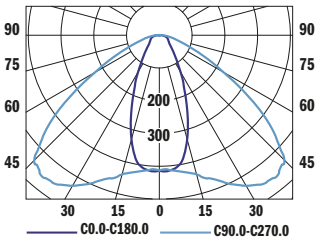
Determined for the illumination of streets with or without pavements. Light is distributed in front Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.

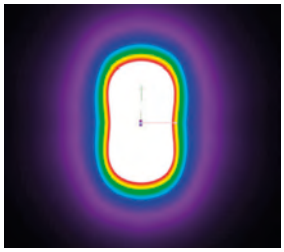




L10

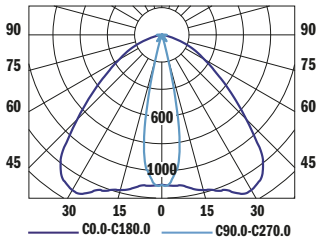
Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.

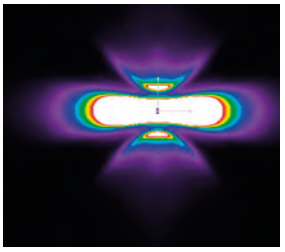




L11

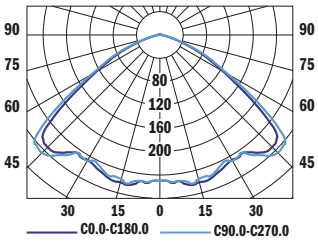
Determined for the illumination of pathways where luminaires are located centrally. Light is distributed to either side of the luminaire.

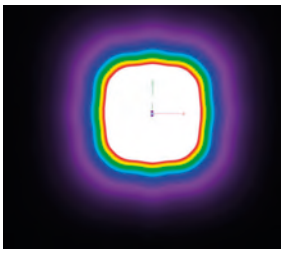




L12

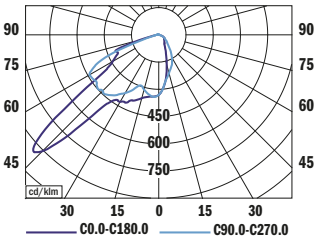
Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.

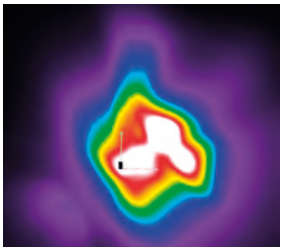




L18

DetermiDetermined for the illumination of pedestrian crossings. Light is focused on waiting and crossing pedestrians, and not elsewhere on the street or pavement, to maximise contrast and identification.





PROFESSIONELL

POST-TOP AND SIDE-ENTRY MOUNTING

IMMA

LENS
LED

IMMA

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 4000 K
ECG | EDA DALI | EDB 100/50 % | EDP INT DIM
IP65 | IK08

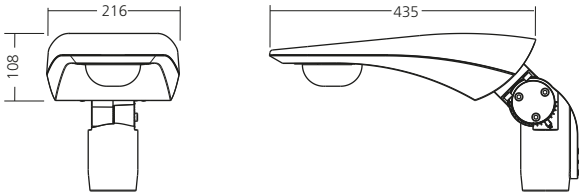
DE

Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linse (L13)
Auf Anfrage: L14, L15, L16, L17
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)
Material
Körper: Aluminiumdruckguss
Abdeckung: Silicon
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Zubehör
Externes Anschlusskabel
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -40 °C bis +40 °C

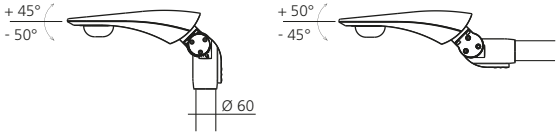
EN

Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lens (L13)
On request: L14, L15, L16, L17
Wiring
Electronic control gear FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)
Materials
Housing: die-cast aluminium
Cover: silicon
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Accessories
External lead-in flexible cable
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -40 °C to +40 °C

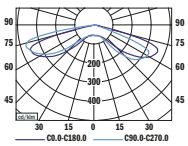
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A



MOUNTING



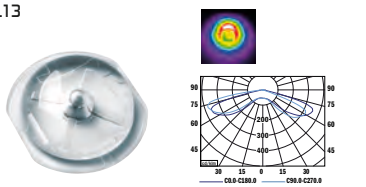
PHOTOMETRY



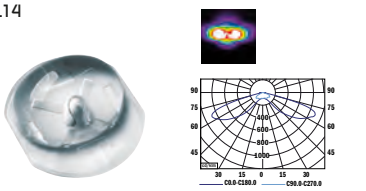
IMMA L13
8100 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

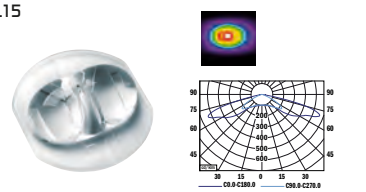
L13



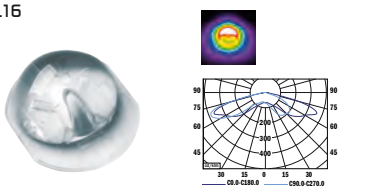
L14



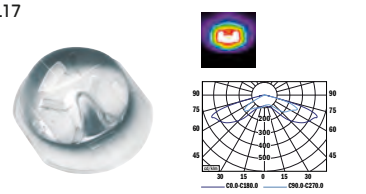
L15



L16



L17



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WINDAGE AREA SIDE / TOP	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(m^2)	(kg)
IMMA	3150	22	143	70+	4000	0.024/0.074	5.4
IMMA	4150	29	143	70+	4000	0.024/0.074	5.4
IMMA	5300	37	143	70+	4000	0.024/0.074	5.4
IMMA	6300	44	143	70+	4000	0.024/0.074	5.5
IMMA	7550	56	135	70+	4000	0.024/0.074	5.5
IMMA	8100	60	135	70+	4000	0.024/0.074	5.5

Luminous flux tolerance +/- 10%

POST-TOP AND SIDE-ENTRY MOUNTING

SEMAI

LENSES
LED

SEMAI

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 4000 K | ECG | EDA DALI | EDB 100/50 % | EDP INT DIM | IP 66 | IK 08

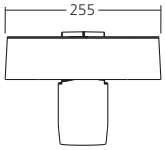
DE

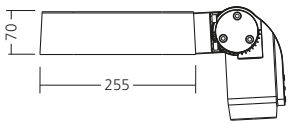
Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (L01)
Auf Anfrage: L04, L05, L06, L08, L09, L10, L12
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI/ STEP DIM/INT DIM (ECG/EDA/EDB/EDP) Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtiger gehärteter Glas
Rahmen: Stahlblech
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
100,000 Stunden/L90/B10 (ta 25°C) - Andere Versionen
100,000 Stunden/L90/B20 (ta 25°C) - 80W
100,000 Stunden/L80/B20 (ta 25°C) - 105W
Umgebungstemperatur
Von -40 °C bis +40 °C

EN

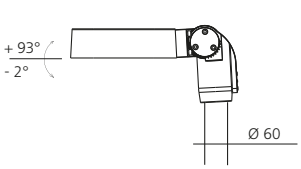
Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (L01)
On request: L04, L05, L06, L08, L09, L10, L12
Wiring
Electronic control gear FIX/DALI/STEP DIM/ INT DIM (ECG/EDA/EDB/EDP) External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Frame: sheet steel
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
100,000 hours/L90/B10 (ta 25°C) - other versions
100,000 hours/L90/B20 (ta 25°C) - 80W
100,000 hours/L80/B20 (ta 25°C) - 105W)
Ambient temperature
From -40 °C to +40 °C

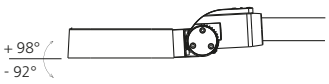
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A

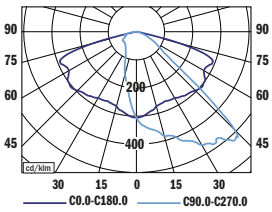




MOUNTING



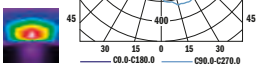


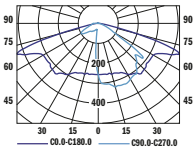


LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

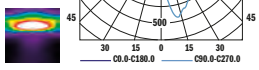
SEMAI
L01 5100 lm 4000 K

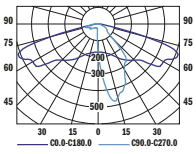
L04



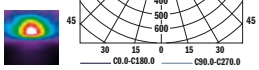


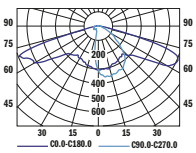
L05





L06





TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WINDAGE AREA SIDE / TOP	WEIGHT	RECOMENDED MOUNTING HEIGHT	REPLACEMENT OF STANDARD
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(m^2)	(kg)	(m)	
SEMAI	3050	27	113	70+	4000	0.018/0.062	7.4	5-8	HPS 70 W
SEMAI	4100	36	114	70+	4000	0.018/0.062	7.4	5-8	HPS 70 W
SEMAI	5100	45	113	70+	4000	0.018/0.062	7.4	5-8	HPS 70 W
SEMAI	6150	54	114	70+	4000	0.018/0.062	7.9	7-10	HPS 70 W
SEMAI	7150	63	113	70+	4000	0.018/0.062	7.9	7-10	HPS 100 W
SEMAI	9200	80	115	70+	4000	0.018/0.062	7.9	7-10	HPS 100 W
SEMAI	11,100	105	106	70+	4000	0.018/0.062	7.9	8-12	HPS 150 W

Luminous flux tolerance +/- 10%

POST-TOP AND SIDE-ENTRY MOUNTING

KEATON S

LENSES
LED

KEATON S

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 4000 K | ECG | EDA DALI | IP66 | IK09

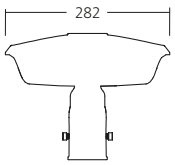
DE

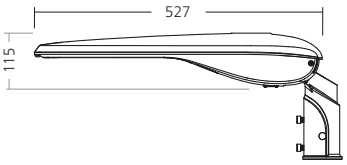
Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (R01)
Auf Anfrage: R02, R03
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtig gehärteter Glas
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -30 °C bis +40 °C

EN

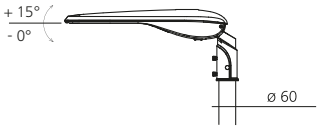
Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (R01)
On request: R02, R03
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -30 °C to +40 °C

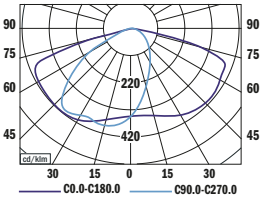
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A





MOUNTING

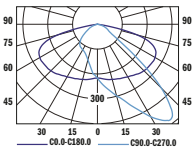




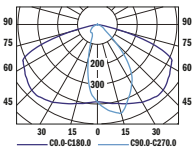
KEATON S R01
3450 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

R02



R03



TYPE	NET LUMEN OUTPUT (at Ta = 25°)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	WINDAGE AREA SIDE / TOP	WEIGHT	RECOMENDED MOUNTING HEIGHT	REPLACEMENT OF STANDARD
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(m^2)	(kg)	(m)	
KEATON S	3450	30	115	70+	4000	0.032/0.141	5.0	5-8	HPS 70 W
KEATON S	4450	35	127	70+	4000	0.032/0.141	5.0	5-8	HPS 70 W
KEATON S	5900	50	118	70+	4000	0.032/0.141	5.5	7-10	HPS 100 W

Luminous flux tolerance +/- 10%

POST-TOP AND SIDE-ENTRY MOUNTING

KEATON M

LENSES
LED

KEATON M

220-240V 50-60Hz | LED | CRI 70+ Ra | CCT 4000 K | ECG | EDA DALI | IP66 | IK08

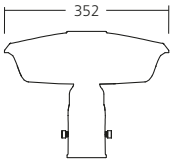
DE

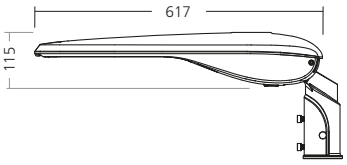
Montage
Aufsatz- /Seitenansatz-Installation (PMT)
Lichtquelle
LED
Optisches System
Linsen (R01)
Auf Anfrage: R02, R03
Vorschaltgerät
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)
Externes Anschlusskabel
Material
Körper: Aluminiumdruckguss
Abdeckung: durchsichtig gehärteter Glas
Schwenkbarer Zapfen: Aluminiumdruckguss
Oberflächenveredelung
Körper: grau RAL 9006 (G06)
Lebensdauer
50,000 Stunden/L80/B10 (ta 25°C)
Umgebungstemperatur
Von -30 °C bis +40 °C

EN

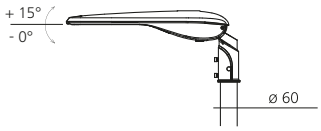
Mounting
Pole-top/side entry installation (PMT)
Light source
LED
Optical system
Lenses (R01)
On request: R02, R03
Wiring
Electronic control gear FIX/DALI (ECG/EDA)
External lead-in flexible cable
Materials
Housing: die-cast aluminium
Cover: transparent hardened glass
Tiltable spigot: die cast aluminium
Surface finish
Housing: grey RAL 9006 (G06)
Service lifetime
50,000 hours/L80/B10 (ta 25°C)
Ambient temperature
From -30 °C to +40 °C

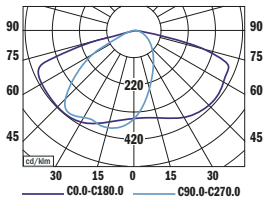
5 YEARS WARRANTY | MAINTENANCE FREE | ECO FRIENDLY | ENERGY SAVING | UV/IR | HEAT SINK | EEC A++/A+/A





MOUNTING

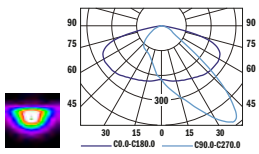




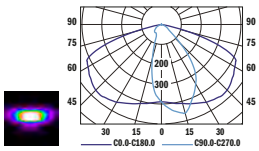
KEATON M R01
14,000 lm 4000 K

LOR = 100%
lower flux fraction 100%
upper flux fraction 0%

R02



R03



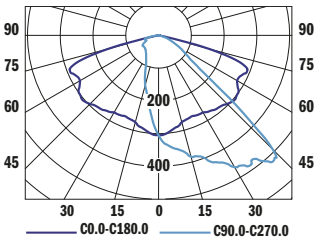
TYPE	NET LUMEN OUTPUT (at Ta = 25°) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m^2)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)	REPLACEMENT OF STANDARD
KEATON M	9300	77	121	70+	4000	0.035/0.179	9.0	7-10	HPS 100 W
KEATON M	10,400	88	118	70+	4000	0.035/0.179	9.2	8-12	HPS 150 W
KEATON M	14,000	125	112	70+	4000	0.035/0.179	9.2	8-12	HPS 250 W

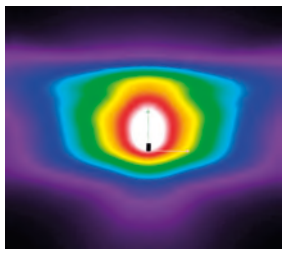
Luminous flux tolerance +/- 10%

OPTIC
LENSES

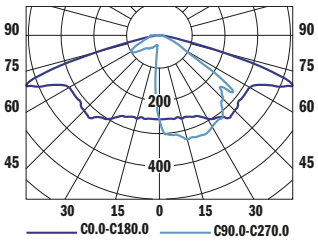
Low-glare lens optics that deliver any of 8 different LIDCs means there is a SEMAI for any application – from roads and pavements through squares and paths to junctions.

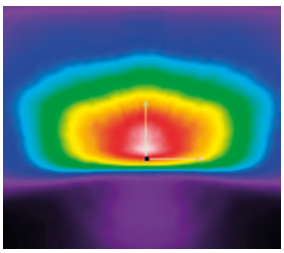
L01
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



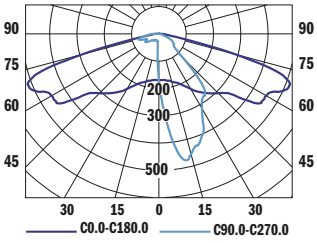


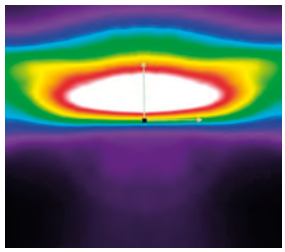
L04
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



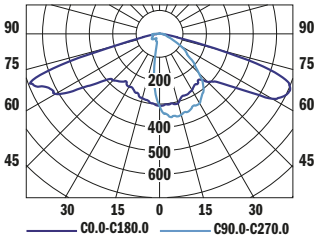


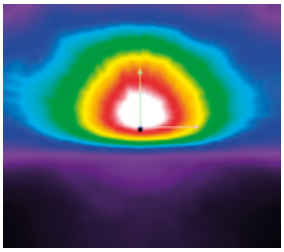
L05
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



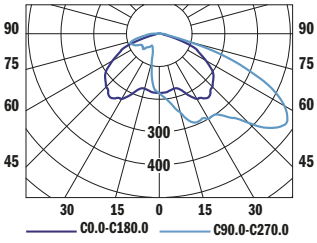


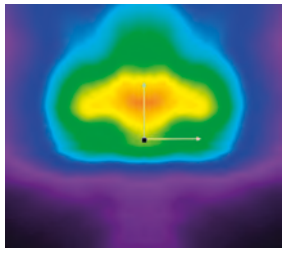
L06
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



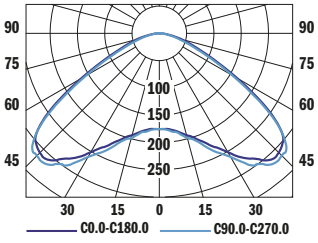


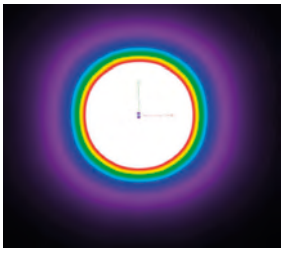
L08
Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.





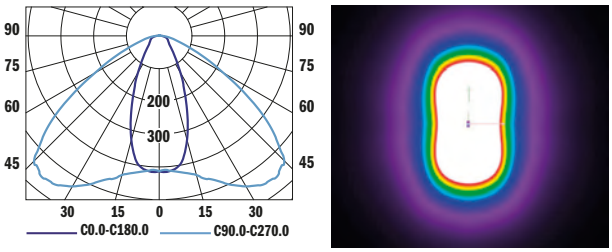
L09
Determined for the illumination of streets with or without pavements. Light is distributed in front Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.





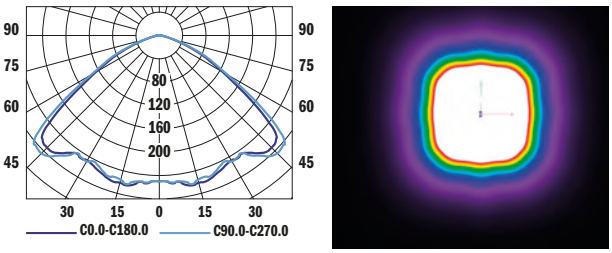
L10

Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.



L12

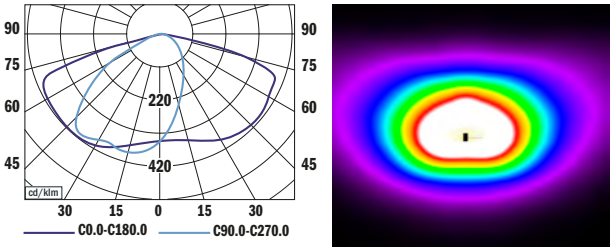
Determined for the illumination of open spaces such as squares and parks. Light is distributed in all directions.



Low-glare lens optics that deliver any of 3 different LIDCs means there is a KEATON for any roads application.

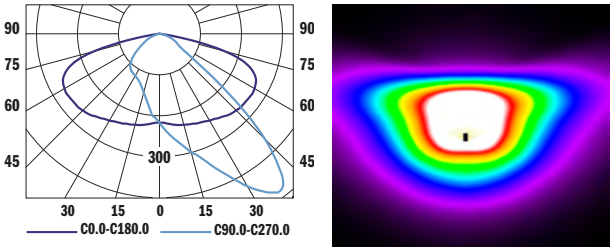
R01

Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



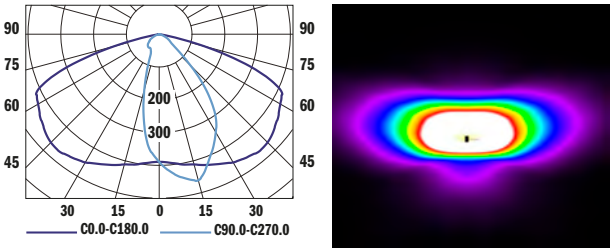
R02

Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



R03

Determined for the illumination of streets with or without pavements. Light is distributed in front and to the sides of the luminaire, but not behind so as to minimise light pollution.



Optical system has been carefully designed by experienced optical engineers to ensure its suitability for areas where glare control is important according to Luminous Intensity Classification EN 13201-1 Appendix A1.

APPLICATIONS


RETAIL AND PRESENTATION


INDUSTRY AND ENGINEERING


OFFICE


EDUCATION


HEALTH AND CARE


ARCHITECTURE AND MEDIA


STREET AND URBAN


HOME AND INTERIOR


HOSPITALITY


SPORT AND LEISURE

SPECIFICATION

MAINS VOLTAGE AND FREQUENCY

MAINS VOLTAGE AND FREQUENCY

MAINS VOLTAGE AND FREQUENCY

COLOUR RENDERING INDEX

CORRELATED COLOUR TEMPERATURE

ICONS

LIGHT SOURCE LED

LINEAR FLUORESCENT LAMP

LINEAR FLUORESCENT LAMP

COMPACT FLUORESCENT LAMP

COMPACT FLUORESCENT LAMP

COMPACT FLUORESCENT LAMP

COMPACT FLUORESCENT LAMP

HIGH-PRESSURE METAL-HALIDE LAMP

HIGH-PRESSURE METAL-HALIDE LAMP

HIGH-PRESSURE METAL-HALIDE LAMP

HIGH-PRESSURE SODIUM LAMP

HIGH-PRESSURE SODIUM LAMP

CONVENTIONAL CONTROL GEAR

ELECTRONIC CONTROL GEAR FIX

ELECTRONIC CONTROL GEAR DALI

ELECTRONIC CONTROL GEAR STEP DIM

ELECTRONIC CONTROL GEAR INT DIM (PROGRAMMABLE)

EMERGENCY UNIT


IEC PROTECTION CLASS I


IEC PROTECTION CLASS II

IP PROTECTION DEGREE – COMPLETE LUMINAIRE

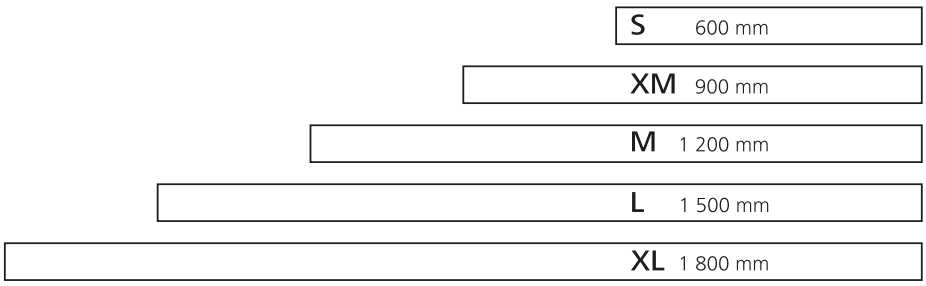
IP PROTECTION DEGREE – OPTICAL PART

IMPACT RESISTANCE DEGREE

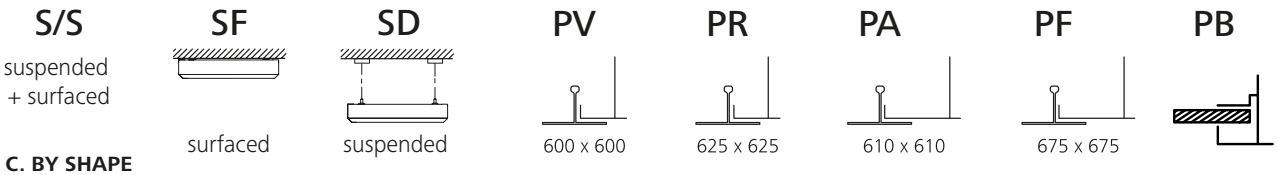

THE LUMINAIRE IS NOT SUITABLE FOR USE IN OUTDOOR APPLICATIONS

PRODUCT CODING

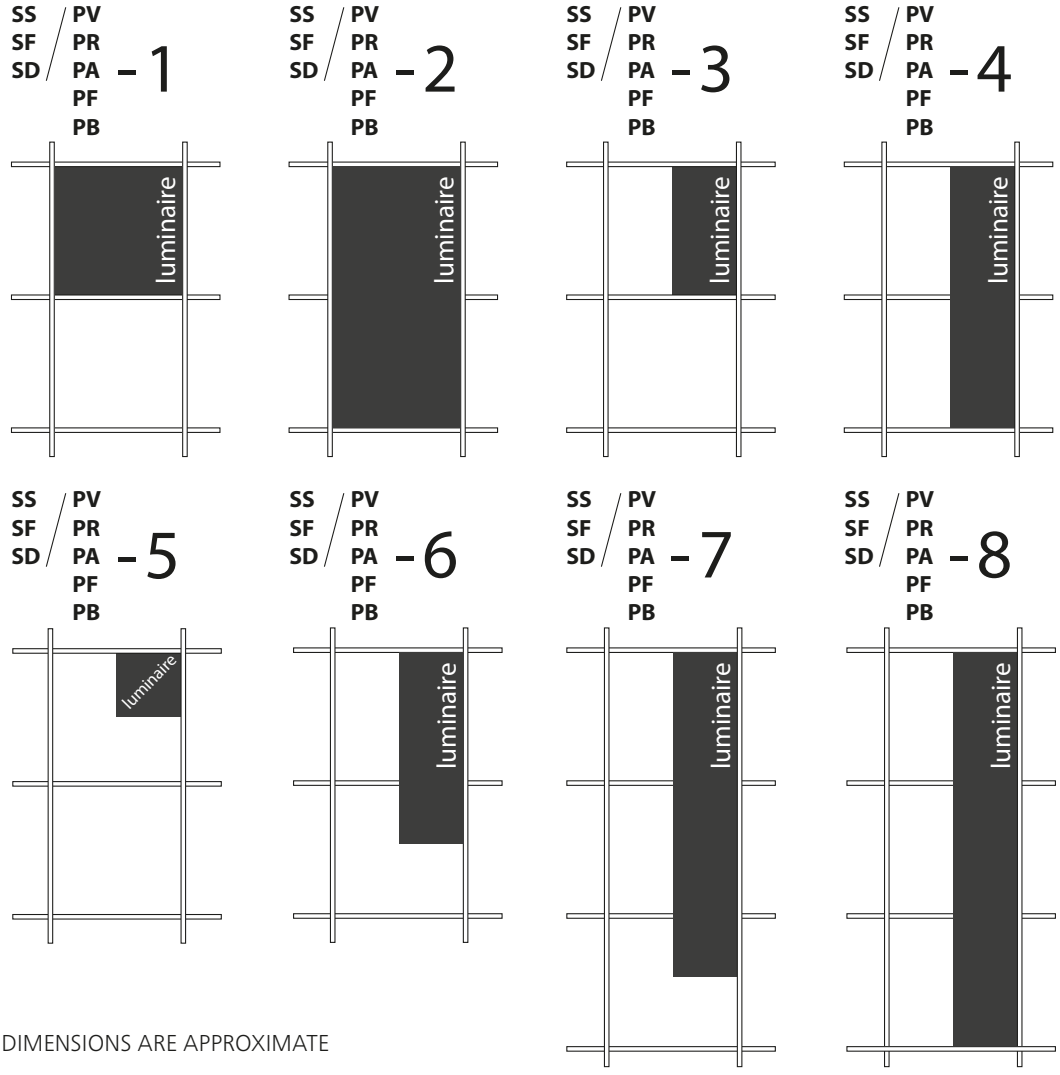
A. BY LENGHT



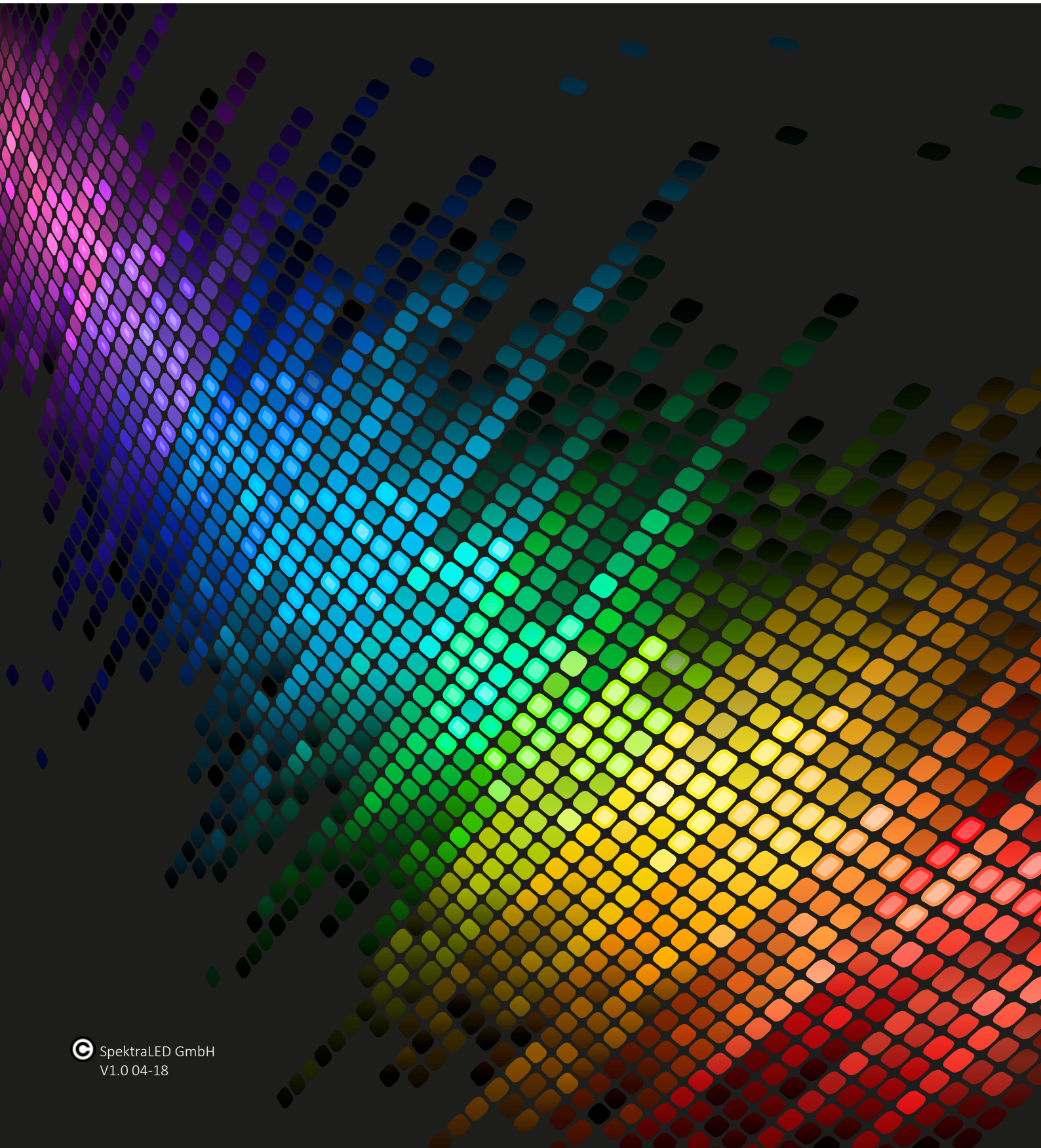
B. BY MOUNTING TYPE



C. BY SHAPE



DIMENSIONS ARE APPROXIMATE



V1.0 04-18