Light is OSRAM

PrevaLED® Linear Slim 3

550 lm on 140 mm
1100 lm, 2000 lm on 280 mm
2200 lm, 4000 lm on 560 mm
8000 lm on 1400 mm

Dimension (l x w x h):

- 140 mm x 20 mm x 5 mm
- 280 mm x 20 mm x 5 mm
- 560 mm x 20 mm x 5 mm
- 1400 mm x 20 mm x 5mm

Features

- Module efficacy: up to 173 lm/W
- CCT: 3000K, 4000K, 6500 K
- Luminous flux: 550 lm on 140 mm
- Luminous flux: 1100 lm, 2000 lm on 280 mm
- Luminous flux: 2200 lm, 4000 lm on 560 mm
- Luminous flux: 8000 lm on 1400 m
- Color rendering index Ra: > 80
- Initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): 50,000 h (temperature at Tc = 65 °C)
- Geometry according to Zhaga Book 7 L28W2
- ENEC, VDE Certification

Benefits

- Slim module for design of narrow luminaires
- High homogeneity thanks to small LED pitch
- 1 x 1400 mm module for trunking system
- SELV or non-isolated modules for easy luminaire design

Application

- Office
- Industry

Typical technical data*

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If (mA)	P (W)	Efficacy (lm/W)
PL-LIN S-Z3 550-830 140	480	3000K	> 80	3	36	88	3,2	152
PL-LIN S-Z3 550-840 140	540	4000K	> 80	3	36	88	3,2	172
PL-LIN S-Z3 1100-830 280	959	3000	> 80	3	36	175	6,3	153
PL-LIN S-Z3 1100-840 280	1084	4000	> 80	3	36	175	6,3	173
PL-LIN S-Z3 1100-865 280	1046	6500	> 80	3	36	175	6,3	167
PL-LIN S-Z3 2000-830 280	1751	3000	> 80	3	39	300	11,7	150
PL-LIN S-Z3 2000-840 280	1978	4000	> 80	3	39	300	11,7	169
PL-LIN S-Z3 2000-865 280	1908	6500	> 80	3	39	300	11,7	163
PL-LIN S-Z3 2200-830 560	1918	3000	> 80	3	36	350	12,5	153
PL-LIN S-Z3 2200-840 560	2168	4000	> 80	3	36	350	12,5	173
PL-LIN S-Z3 2200-865 560	2092	6500	> 80	3	36	350	12,5	167

PL-LIN S-Z3 4000-830 560	3502	3000	> 80	3	39	600	23,1	150
PL-LIN S-Z3 4000-840 560	3956	4000	> 80	3	39	600	23,1	169
PL-LIN S-Z3 4000-865 560	3816	6500	> 80	3	39	600	23,1	163
PL-LIN S-Z3 8000-830 1400	7873	3000	> 80	3	142,5	350	49,9	158
PL-LIN S-Z3 8000-840 1400	8414	4000	>80	3	142,5	350	49,9	169

Typical values valid for Tp = 65°C
Energy Efficiency Class according 2012/874/EC: A++

Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
* Tolerance for optical and electrical data: +/-10

Maximum Values

Product name	Max. Flux (lm)	Max. Uf (V)	Max. If (mA)	Max. P (W)	Efficacy @ max (lm/W)
PL-LIN S-Z3 550-830 140	770	37	150	5.6	137
PL-LIN S-Z3 550-840 140	870	37	150	5.6	155
PL-LIN S-Z3 1100-830 280	1539	37	300	11.2	137
PL-LIN S-Z3 1100-840 280	1740	37	300	11.2	155
PL-LIN S-Z3 1100-865 280	1678	37	300	11.2	150
PL-LIN S-Z3 2000-830 280	2487	40	450	18.1	137
PL-LIN S-Z3 2000-840 280	2810	40	450	18.1	155
PL-LIN S-Z3 2000-865 280	2711	40	450	18.1	149
PL-LIN S-Z3 2200-830 560	3078	37	600	22.4	137
PL-LIN S-Z3 2200-840 560	3480	37	600	22.4	155
PL-LIN S-Z3 2200-865 560	3356	37	600	22.4	150
PL-LIN S-Z3 4000-830 560	4974	40	900	36.3	137
PL-LIN S-Z3 4000-840 560	5620	40	900	36.3	155
PL-LIN S-Z3 4000-865 560	5422	40	900	36.3	149
PL-LIN S-Z3 8000-830 1400	9865	146	450	65.8	150
PL-LIN S-Z3 8000-840 1400	10560	146	450	65.8	161

*) Exceeding maximum ratings for operating and storage temperature will reduce expected lifetime or destroy the light engine. The temperature of the LED module must be measured at the tc-point according to EN60598-1 in thermally settled conditions with a temperature sensor. For exact location of the Tc -point see drawing below

Electrical parameter for nominal flux

Product name	Nom. Flux (lm)	Nom. Uf (V)	Nom. If (mA)	Nom. P (W)	Efficacy @ nom (lm/W)
PL-LIN S-Z3 550-830 140	550	36	101	3.6	152
PL-LIN S-Z3 550-840 140	550	36	89	3.2	172
PL-LIN S-Z3 1100-830 280	1100	36	201	7.2	153
PL-LIN S-Z3 1100-840 280	1100	36	178	6.4	173
PL-LIN S-Z3 1100-865 280	1100	36	184	6.6	167
PL-LIN S-Z3 2000-830 280	2000	39	343	13.3	150
PL-LIN S-Z3 2000-840 280	2000	39	303	11.8	169
PL-LIN S-Z3 2000-865 280	2000	39	314	12.2	163
PL-LIN S-Z3 2200-830 560	2200	36	401	14.4	153
PL-LIN S-Z3 2200-840 560	2200	36	355	12.7	173
PL-LIN S-Z3 2200-865 560	2200	36	368	13.2	167

PL-LIN S-Z3 4000-830 560	4000	39	685	26.7	150
PL-LIN S-Z3 4000-840 560	4000	39	607	23.6	169
PL-LIN S-Z3 4000-865 560	4000	39	629	24.5	163
PL-LIN S-Z3 8000-830 1400	8000	142	356	50.8	158
PL-LIN S-Z3 8000-840 1400	8000	142	331	46.9	171

Optical parameter

Product name	# **LED**	**Pitch [mm]**
PL-LIN S-Z3 550-8xx 140	13	10.8
PL-LIN S-Z3 1100-8xx 280	26	10.8
PL-LIN S-Z3 2000-8xx 280	42	6.7
PL-LIN S-Z3 2200-8xx 560	52	10.8
PL-LIN S-Z3 4000-8xx 560	84	6.7
PL-LIN S-Z3 8000-8xx 1400	150	9.3

Lifetime Data

PL-LIN S-Z3 550-8xx 140
PL-LIN S-Z3 1100-8xx280
PL-LIN S-Z3 2000-8xx 280
PL-LIN S-Z3 2200-8xx 560
PL-LIN S-Z3 4000-8xx 560
PL-LIN S-Z3 8000-8xx 1400

		LxBy					
	x	70		80		90	
	y	10	50	10	50	10	50
	[mA]	Lifetime [h]					
Tp = 50°C	**I-rated**	50.000	50.000	41.000	50.000	22.000	28.000
Tp = 65°C	**I-rated**	50.000	50.000	35.000	50.000	18.000	24.000
Tp= 75°C	**I-rated**	49.000	50.000	32.000	43.000	16.000	21.000

Temperature ratings

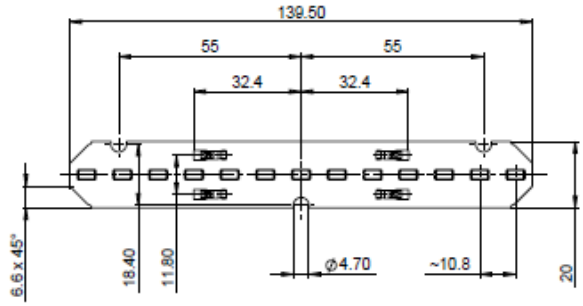
Tp (performance temperature)	65°C
Tc max (maximum temperature)	75°C
Ta (ambient temperature range)	-20°C < Ta < +75°C
Tstg (storage temperature range)	-30°C < Ta < +85°C

Cable

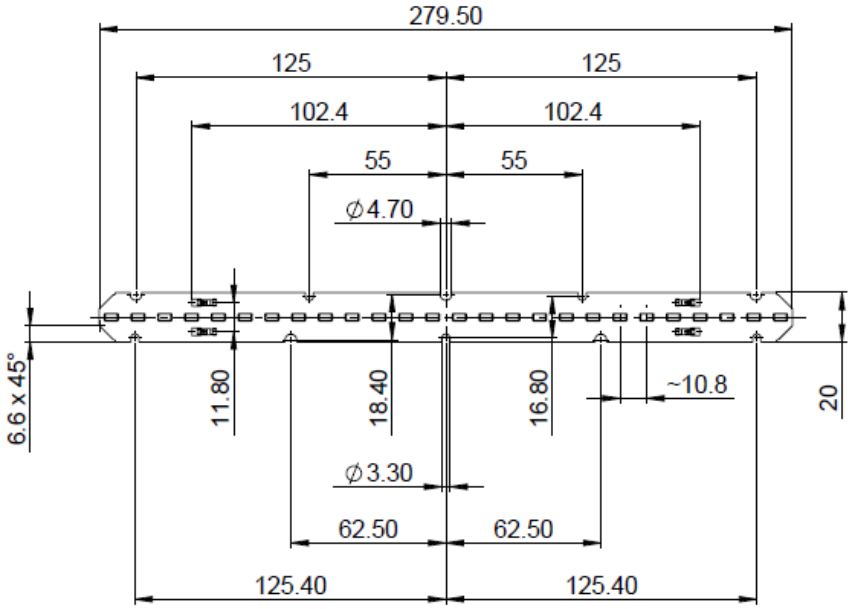
For connecting the module OSRAM recommend to use an AWG 20 (0.5mm²) solid wire cable, max diameter for cable inclusive insulation ~2(+/-0,05)m

Drawings

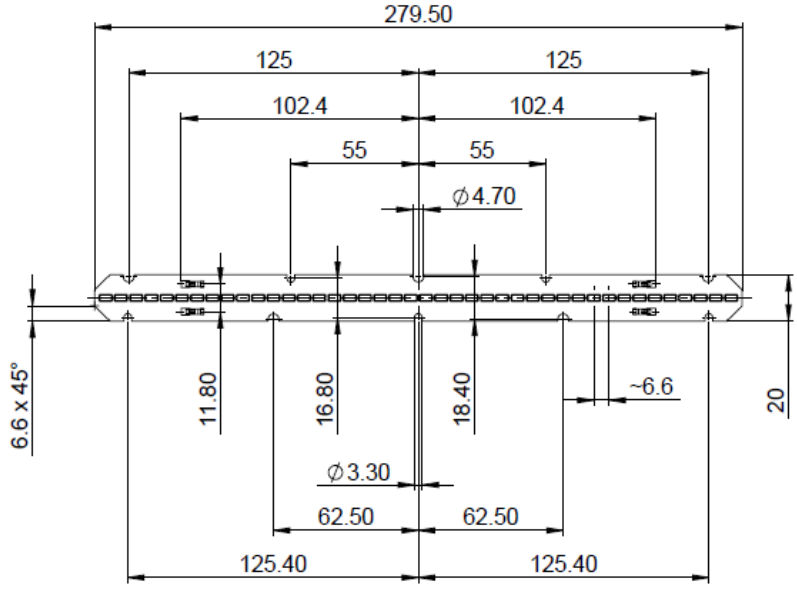
550lm – 140mm



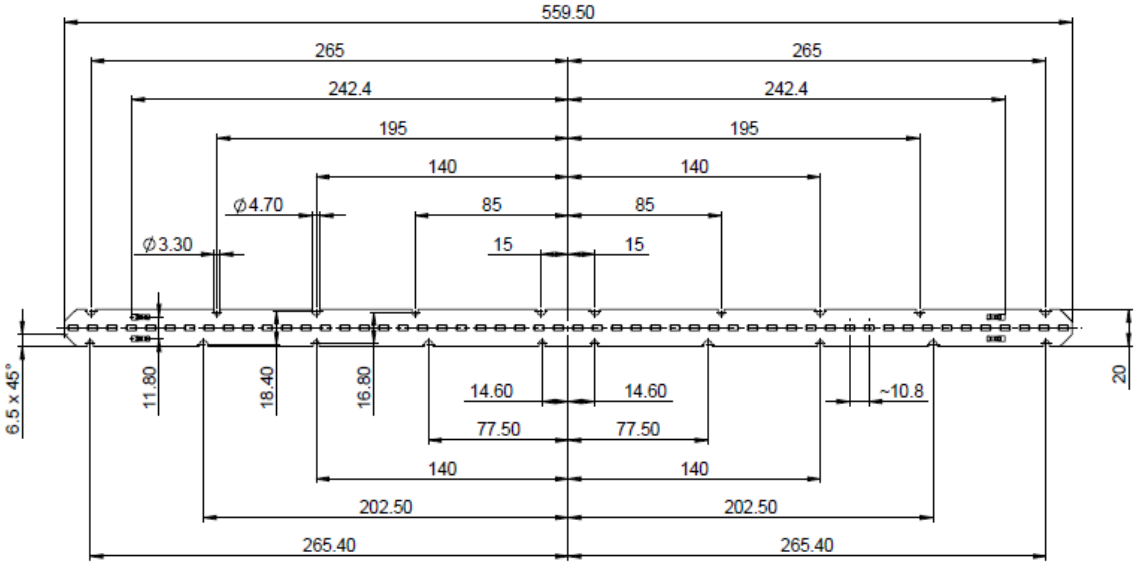
1100lm – 280mm



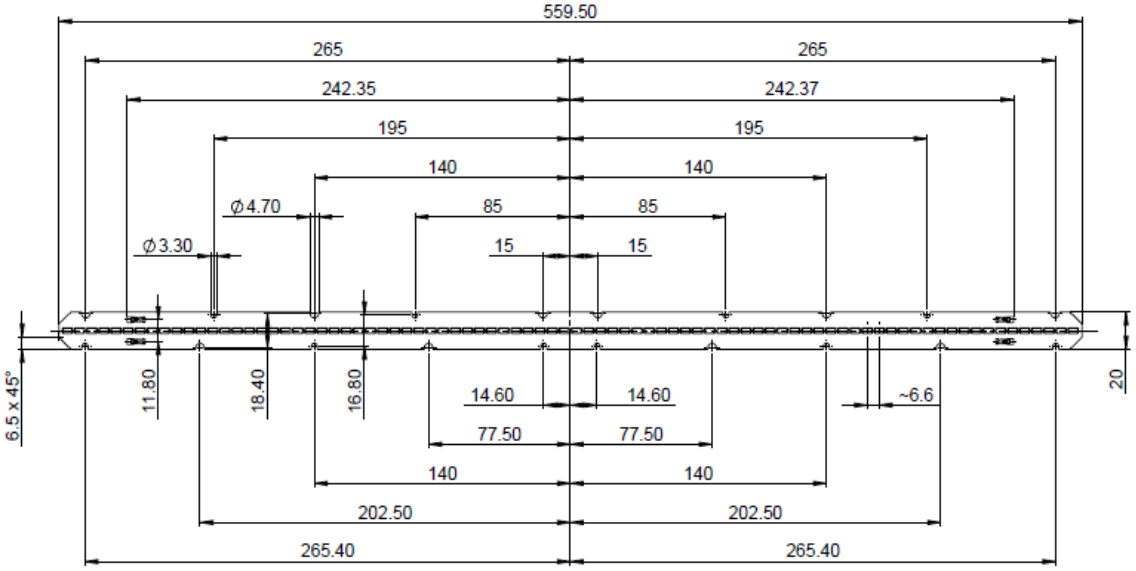
2000lm – 280mm



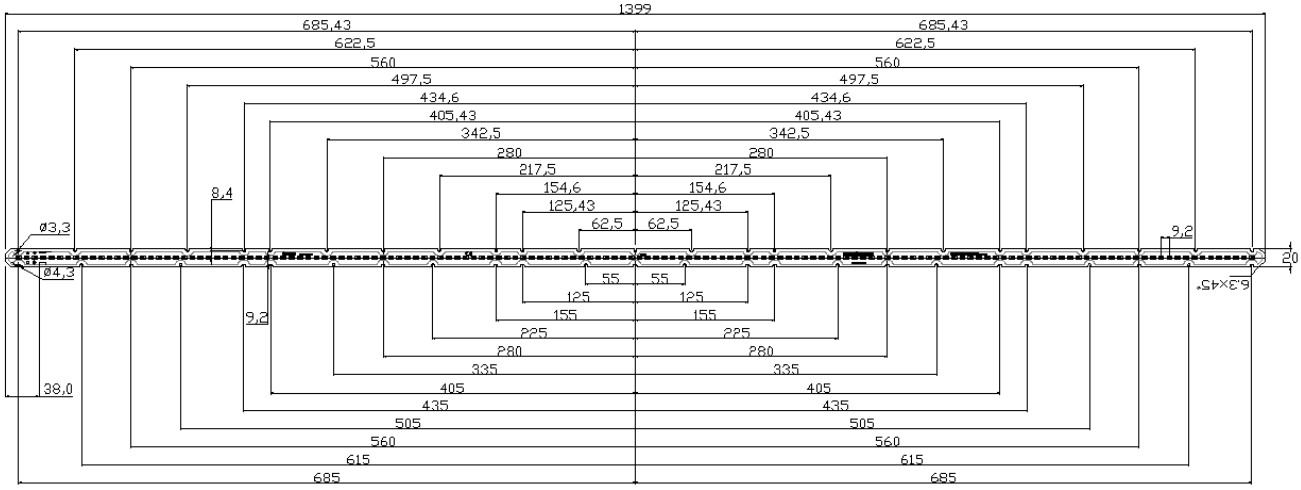
2200lm – 560mm



4000lm – 560mm



8000lm – 1400mm



Modularity

OT FIT CS (triple current driver – SELV)

PrevaLED Linear Slim 3 is designed to be operated by OT FIT drivers in parallel connection. Current setting via cable bridge on primary side.

OT FIT 27V – 54V / PrevaLED Linear Slim 3	OT FIT 35 700	OT FIT 50 1A0	OT FIT 80 1A6
	0,5A / 0,6A / 0,7A	0,8A / 0,93A / 1,0A	1,2A / 1,4A / 1,55A
	280 x 30 x 21mm	280 x 30 x 21mm	360 x 30 x 21mm
1100lm / 175mA	3, 4	(4), 5, 6	7, 8, (9)
2000lm / 300mA	2	3	4
2200lm / 350mA	2	3	4
4000lm / 600mA	1	---	2
8000lm / 350mA	---	---	---

OTi DALI (wide window driver – SELV)

PrevaLED Linear Slim 3 is designed to be operated by OTi DALI drivers in parallel connection. Current setting via Tuner4Tronic software and DALI magic.

OTi DALI 27V – 54V / PrevaLED Linear Slim 3	OTi DALI 35 0A7	OTi DALI 50 1A4	OTi DALI 80 1A6	OTi DALI 80 2A1
	0,2A – 0,7A	0,6A - 1,4A	0,6A - 1,55A	1,0A - 2,1A
	360 x 30 x 21mm	360 x 30 x 21mm	360 x 30 x 21mm	423 x 30 x 21mm
1100lm / 175mA	3	(3) - 6	(3) - 8	6 - 10
2000lm / 300mA	2	2 - 3	2 - 4	3 - 6
2200lm / 350mA	2	2 - 3	2 - 4	3 - 5
4000lm / 600mA	1	1 - 2	1 - 2	2 - (3)
8000lm / 350mA	---	---	---	---

OT FIT D (single current driver – Non-insolated)

PrevaLED Linear Slim 3 is designed to be operated by OT Fit D Non-SELV drivers in serial or combined serial-parallel connection.

OT FIT PrevaLED Linear Slim 3	OT FIT 30/220-240/125 D L	OT FIT 50/220-240/250 D L	OT FIT 50/220-240/350 D L
	125mA, 54V – 216V	250mA, 54V – 216V	350mA, 54V – 150V
	210 x 30 x 21mm	210 x 30 x 21mm	210 x 30 x 21mm
1100lm / 175mA	---	---	4, 6 (Xs2p)
2000lm / 300mA	---	---	2, 3 (Xs1p)
2200lm / 350mA	---	---	2, 3 (Xs1p)
4000lm / 600mA	---	---	---
8000lm / 350mA			1

OTi (wide window driver – Non-isolated)

PrevaLED Linear Slim 3 is designed to be operated by OTi and OTi DALI drivers in serial or combined serial-parallel connection. Current setting of OTi via resistor coding (LEDset) and OTi DALI via Tuner4Tronic software and DALI magic.

OTi 54V-240V PrevaLED Linear Slim 3	OTi 60 550	OTi 90 1A0	OTi DALI 60 550	OTi DALI 90 1A0
	125mA – 550mA	250mA – 1000mA	125mA – 550mA	250mA – 1000mA
	280 x 30 x 21mm	280 x 30 x 21mm	280 x 30 x 21mm	280 x 30 x 21mm
1100lm / 175mA	2 – 5* (Xs1p / Xs2p)	4 – 10* (Xs2p / 2sYp)	2 – 5* (Xs1p / Xs2p)	4 – 10* (Xs2p / 2sYp)
2000lm / 300mA	2 - 4 (Xs1p)	2 - 5 (Xs1p)	2 - 4 (Xs1p)	2 - 5 (Xs1p)
2200lm / 350mA	2 - 3 (Xs1p)	2 - 4 (Xs1p)	2 - 3 (Xs1p)	2 - 4 (Xs1p)
4000lm / 600mA	---	2 - 3 (Xs1p)	---	2 – 3 (Xs1p)
8000lm / 350mA	1	1	1	1

* For 5 x 1100lm please keep Tc temperature below 65°C. and maximum current If = 175mA per module

Explanation:

- Xs1p: all modules in serial connection
- Xs2p / 2sYp: parallel connection of X modules in serial connection / serial connection of Y modules in parallel connection (pair modularities only)

Installation note

Please make sure to keep a clearance of minimum 1mm around the PrevaLED Linear Slim 3 module

Ordering Codes

Product name	EAN (single product)	Order type	Shipping Unit
PL-LIN S-Z3 550-830 140	4052899 957138	Make to stock	60 x 1
PL-LIN S-Z3 550-840 140	4052899 957152	Make to stock	60 x 1
PL-LIN S-Z3 1100-830 280	4052899 346963	Make to stock	60 x 1
PL-LIN S-Z3 1100-840 280	4052899 346987	Make to stock	60 x 1
PL-LIN S-Z3 1100-865 280	4052899 347007	Make to order	60 x 1
PL-LIN S-Z3 2000-830 280	4052899 347021	Make to stock	60 x 1
PL-LIN S-Z3 2000-840 280	4052899 347045	Make to stock	60 x 1
PL-LIN S-Z3 2000-865 280	4052899 347069	Make to order	60 x 1
PL-LIN S-Z3 2200-830 560	4052899 347083	Make to stock	60 x 1
PL-LIN S-Z3 2200-840 560	4052899 347106	Make to stock	60 x 1
PL-LIN S-Z3 2200-865 560	4052899 347120	Make to order	60 x 1
PL-LIN S-Z3 4000-830 560	4052899 347144	Make to stock	60 x 1
PL-LIN S-Z3 4000-840 560	4052899 347168	Make to stock	60 x 1
PL-LIN S-Z3 4000-865 560	4052899 347182	Make to order	60 x 1
PL-LIN S-Z3 8000-830 1400	4052899 952515	Make to stock	60 x 1
PL-LIN S-Z3 8000-840 1400	4052899 952522	Make to stock	60 x 1

Safety Information

- The LED module itself and all its components must not be mechanically stressed.

The modules are intended for operation only with matching OPTOTRONIC®.

To also ease the luminaire/installation approval, electronic control gear for LED or LED modules should carry the CE mark and be ENEC certified. In Europe the declarations of conformity must include the following standards:
CE: EC 61347-2-13, EN 55015, IEC 61547 and IEC 61000-3-2 - ENEC: 61347-2-13 and IEC/EN 62384.

Also check for the mark of an independent authorized certification institute.

Please see the relevant brochure for more detailed information (see "Related and Further Information")

- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Pay attention to standard ESD precautions when installing the module.
- Photobiological safety according to IEC 62471, risk group RG1
- Max. Voltage U-OUT = 250V for operation on non-isolated and SELV LED controlgear.

Sales and Technical Support

OSRAM GmbH

Marcel-Breuer-Straße 6 D-
80807 München

www.osram.com
+49 89 6213-0

Sales and technical support is given by the local OSRAM subsidiaries.
On our world wide homepage all OSRAM subsidiaries are listed with complete address and phone numbers.

Note: Typical performance data are subject to change without any further notice, particularly as LED technology evolves.

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
www.osram.com