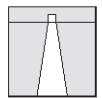


LIGHT FITTING SPECIFICATION

Type : _____	Project : _____
Description : _____	Client : _____
Model No. : _____	Supplier : <u>SPL Lighting (Hong Kong) Company Limited</u>
Lamp : _____	Contact : _____
IP Rating : _____	Email : _____



Surface mounted (DUBY), light emission: direct distribution,
 LED light colour: warm white or natural white,
 control gear: ECG, mains connection: 220VAC, 50Hz,
 luminaire housing of k \]h' g\YYhgYY''\ci gb[zX]Z g'fcZ
 dc mWJfcbUH' b'cdU''



KEY DATA

- Product type: G fZJW' A ci bHX' DUBY'

LIGHTING TECHNOLOGY | LAMPS | CONTROL GEAR

LIGHTING TECHNOLOGY:

- Beam angle: k]XY distribution
- Light emission: direct distribution

LAMPS:

- Lamps: LED
- Light colour:
 Warm white, 3000K / Natural white, 4000K
 Warm white, 2700K **upon request*

COLOR RENDERING INDEX

- CRI > 80

MATERIAL

- Luminaire housing: G]Y'
- 8]Z g'f: Dc mWJfcbUH'

MOUNTING

- Mounting method, mounting location: surface, on the ceiling

MAINTENANCE OF LUMEN -L, \$

-) \$,000 hours at h'') 5°C

OPERATING TEMPERATURE RANGE

- -20 to +') °C

G-N9	POWER	LUMEN	MODEL NO.
116 x 80 x 1200mm	29 W	2995 lm	HB101LED40075S
116 x 80 x 1500mm	37 W	3783 lm	HB101LED40075R
116 x 80 x 1800mm	44 W	4492 lm	HB101LED40150R

BEAM ANGLE:
160°

Finish: White
 Black

OPTIONAL:

- DE - dimmable electronic ballast
- B - battery kit for emergency application



SPL Lighting (Hong Kong) Company Limited
 Tel: (852) 3529 1623 Fax: (852) 3529 1222 E-mail: info@splighting.com.hk

We reserve the right to make changes without prior notice, particular on the specified values, dimensions and weights.

KANDOLite®



PrevaLED® Linear Pro



Product description

PrevaLED® Linear Pro series offer high performance for a variety of general lighting applications. Providing seamless long-life, energy-efficient, and economical lighting alternative to linear fluorescent lamp sources.

- CE marks
- 5 years guarantee

Benefits

- Efficacy: up to 175 lm/W
- Homogeneous light distribution
- No special connection cable needed
- Self-cooling
- Suitable for SELV and Non-SELV module for cost competitive solution
- Form factor-according Zhaga book 7
- Cut out area for shadow-free wiring

Features

- Various Length for flexible design: 140mm, 280mm, 560mm, 1120mm
- Consistent white light of 3 SDCM
- Poke-in connectors for 0,5mm² wire
- CRI>80, CRI>90
- Beam angle 120 ± 5 [°]

Applications

- Office (workplace illumination, corridor)
- Commercials (Indoor car park)
- Industry (storage, warehouse, retail)
- Public area (corridor, stairs, subway)

SPECIFICATION

The typical values involved in this specification of all linear module are under the following conditions:

Driven currents	t _{p-normal}
300mA	55 °C
250mA	55 °C
350mA	55 °C

1.1 Normal mode: driven current 300mA

Model name	Module Efficacy	Lumen Flux	Power	V _f	I _f	CCT	Lifetime
	(Lm/W)	(Lm)	(W)	(V)	(mA)	(K)	(L80B10/50* @ t _{p-normal}) hours
PL-LIN-PRO 550-830-140	155	510	3.30	11.0	300	3000	50,000
PL-LIN-PRO 550-840-140	170	560	3.30	11.0	300	4000	50,000
PL-LIN-PRO 550-865-140	170	560	3.30	11.0	300	6500	50,000
PL-LIN-PRO 770-830-280	155	770	4.95	16.5	300	3000	50,000
PL-LIN-PRO 770-840-280	170	840	4.95	16.5	300	4000	50,000
PL-LIN-PRO 770-865-280	170	840	4.95	16.5	300	6500	50,000
PL-LIN-PRO 1100-830-280	155	1175	7.56	25.2	300	3000	50,000
PL-LIN-PRO 1100-840-280	170	1280	7.56	25.2	300	4000	50,000
PL-LIN-PRO 1100-865-280	170	1280	7.56	25.2	300	6500	50,000
PL-LIN-PRO 1550-830-560	155	1425	9.15	30.5	300	3000	50,000
PL-LIN-PRO 1550-840-560	170	1550	9.15	30.5	300	4000	50,000
PL-LIN-PRO 1550-865-560	170	1550	9.15	30.5	300	6500	50,000
PL-LIN-PRO 2200-830-560	155	2200	14.28	47.6	300	3000	50,000
PL-LIN-PRO 2200-840-560	170	2400	14.28	47.6	300	4000	50,000
PL-LIN-PRO 2200-865-560	170	2400	14.28	47.6	300	6500	50,000
PL-LIN-PRO 4400-830-1120	155	4400	28.56	95.2	300	3000	50,000
PL-LIN-PRO 4400-840-1120	170	4800	28.56	95.2	300	4000	50,000
PL-LIN-PRO 4400-865-1120	170	4800	28.56	95.2	300	6500	50,000
PL-LIN-PRO 1100-930-280	130	990	7.56	25.2	300	3000	50,000
PL-LIN-PRO 1100-940-280	140	1060	7.56	25.2	300	4000	50,000
PL-LIN-PRO 2200-930-560	130	1950	15.12	50.4	300	3000	50,000
PL-LIN-PRO 2200-940-560	140	2100	15.12	50.4	300	4000	50,000

1.2 High efficacy: driven current 250mA

Model name	Module Efficacy (Lm/W)	Lumen Flux (Lm)	Power (W)	V _f (V)	I _f (mA)	CCT (K)	Lifetime (L80B10/50* @ t _p -normal) hours
PL-LIN-PRO 550-830-140	164	446	2.72	10.9	250	3000	50,000
PL-LIN-PRO 550-840-140	175	475	2.72	10.9	250	4000	50,000
PL-LIN-PRO 550-865-140	175	475	2.72	10.9	250	6500	50,000
PL-LIN-PRO 770-830-280	164	672	4.08	16.3	250	3000	50,000
PL-LIN-PRO 770-840-280	175	712	4.08	16.3	250	4000	50,000
PL-LIN-PRO 770-865-280	175	712	4.08	16.3	250	6500	50,000
PL-LIN-PRO 1100-830-280	164	1035	6.28	25.1	250	3000	50,000
PL-LIN-PRO 1100-840-280	175	1095	6.28	25.1	250	4000	50,000
PL-LIN-PRO 1100-865-280	175	1095	6.28	25.1	250	6500	50,000
PL-LIN-PRO 1550-830-560	164	1230	7.49	30.0	250	3000	50,000
PL-LIN-PRO 1550-840-560	175	1310	7.49	30.0	250	4000	50,000
PL-LIN-PRO 1550-865-560	175	1310	7.49	30.0	250	6500	50,000
PL-LIN-PRO 2200-830-560	164	1960	11.83	47.3	250	3000	50,000
PL-LIN-PRO 2200-840-560	175	2080	11.83	47.3	250	4000	50,000
PL-LIN-PRO 2200-865-560	175	2080	11.83	47.3	250	6500	50,000
PL-LIN-PRO 4400-830-1120	164	3920	23.65	94.6	250	3000	50,000
PL-LIN-PRO 4400-840-1120	175	4160	23.65	94.6	250	4000	50,000
PL-LIN-PRO 4400-865-1120	175	4160	23.65	94.6	250	6500	50,000
PL-LIN-PRO 1100-930-280	135	850	6.28	25.1	250	3000	50,000
PL-LIN-PRO 1100-940-280	146	920	6.28	25.1	250	4000	50,000
PL-LIN-PRO 2200-930-560	135	1680	12.51	50.0	250	3000	50,000
PL-LIN-PRO 2200-940-560	146	1825	12.51	50.0	250	4000	50,000

1.3 High output: driven current 350mA

Model name	Module Efficacy (Lm/W)	Lumen Flux (Lm)	Power (W)	V _f (V)	I _f (mA)	CCT (K)	Lifetime (L80B10/50* @ t _p -normal) hours
PL-LIN-PRO 550-830-140	148	582	3.94	11.3	350	3000	50,000
PL-LIN-PRO 550-840-140	162	640	3.94	11.3	350	4000	50,000
PL-LIN-PRO 550-865-140	162	640	3.94	11.3	350	6500	50,000
PL-LIN-PRO 770-830-280	148	875	5.92	16.9	350	3000	50,000
PL-LIN-PRO 770-840-280	162	960	5.92	16.9	350	4000	50,000
PL-LIN-PRO 770-865-280	162	960	5.92	16.9	350	6500	50,000
PL-LIN-PRO 1100-830-280	148	1318	8.90	25.4	350	3000	50,000
PL-LIN-PRO 1100-840-280	162	1440	8.90	25.4	350	4000	50,000
PL-LIN-PRO 1100-865-280	162	1440	8.90	25.4	350	6500	50,000
PL-LIN-PRO 1550-830-560	148	1600	10.84	31.0	350	3000	50,000
PL-LIN-PRO 1550-840-560	162	1755	10.84	31.0	350	4000	50,000
PL-LIN-PRO 1550-865-560	162	1755	10.84	31.0	350	6500	50,000
PL-LIN-PRO 2200-830-560	148	2485	16.80	48.0	350	3000	50,000
PL-LIN-PRO 2200-840-560	162	2725	16.80	48.0	350	4000	50,000
PL-LIN-PRO 2200-865-560	162	2725	16.80	48.0	350	6500	50,000
PL-LIN-PRO 4400-830-1120	148	4970	33.60	96.0	350	3000	50,000
PL-LIN-PRO 4400-840-1120	162	5450	33.60	96.0	350	4000	50,000
PL-LIN-PRO 4400-865-1120	162	5450	33.60	96.0	350	6500	50,000
PL-LIN-PRO 1100-930-280	124	1100	8.90	25.4	350	3000	50,000
PL-LIN-PRO 1100-940-280	133	1180	8.90	25.4	350	4000	50,000
PL-LIN-PRO 2200-930-560	124	2200	17.83	50.9	350	3000	50,000
PL-LIN-PRO 2200-940-560	133	2360	17.83	50.9	350	4000	50,000

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.

*L80B10 lifetime for CRI80 series, L80B50 lifetime for CRI90 series.

Optical parameters

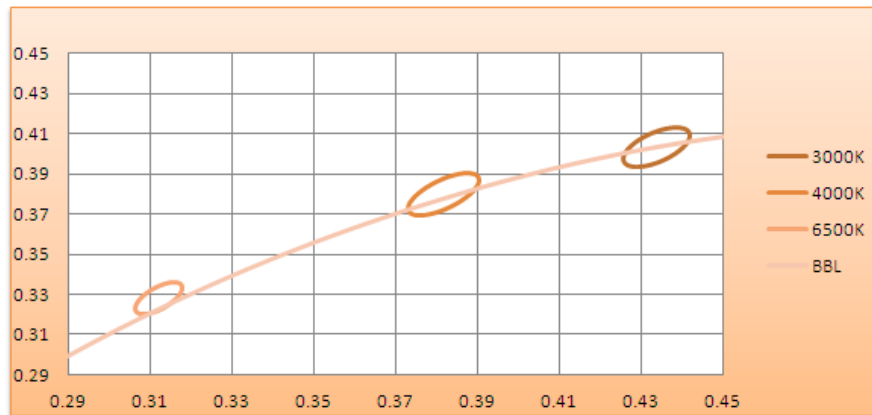
2.1 CCT / Color and Color rendering parameters

Product category	Min. CCT	Max. CCT	Ra
	(K)	(K)	
PL-LIN-PRO 550-830-140	2975	3125	>80
PL-LIN-PRO 550-840-140	3920	4165	>80
PL-LIN-PRO 550-865-140	6400	6945	>80
PL-LIN-PRO 770-830-280	2975	3125	>80
PL-LIN-PRO 770-840-280	3920	4165	>80
PL-LIN-PRO 770-865-280	6400	6945	>80
PL-LIN-PRO 1100-830-280	2980	3130	>80
PL-LIN-PRO 1100-840-280	3927	4172	>80
PL-LIN-PRO 1100-865-280	6430	6975	>80
PL-LIN-PRO 1550-830-560	2975	3125	>80
PL-LIN-PRO 1550-840-560	3920	4165	>80
PL-LIN-PRO 1550-865-560	6400	6945	>80
PL-LIN-PRO 2200-830-560	2980	3130	>80
PL-LIN-PRO 2200-840-560	3927	4172	>80
PL-LIN-PRO 2200-865-560	6430	6975	>80
PL-LIN-PRO 4400-830-1120	2980	3130	>80
PL-LIN-PRO 4400-840-1120	3927	4172	>80
PL-LIN-PRO 4400-865-1120	6430	6975	>80
PL-LIN-PRO 1100-930-280	2980	3130	>90
PL-LIN-PRO 1100-940-280	3927	4172	>90
PL-LIN-PRO 2200-930-560	2980	3130	>90
PL-LIN-PRO 2200-940-560	3927	4172	>90

Remarks:

1. Rating at t_p -normal
2. Tolerance of measurements for the color rendering Ra is ± 2 ;
3. Tolerance of measurements for the Chromaticity Coordinate is ± 0.005 ; the tolerance of CCT should be calculated accordingly.

2.2 Chromaticity Coordinates

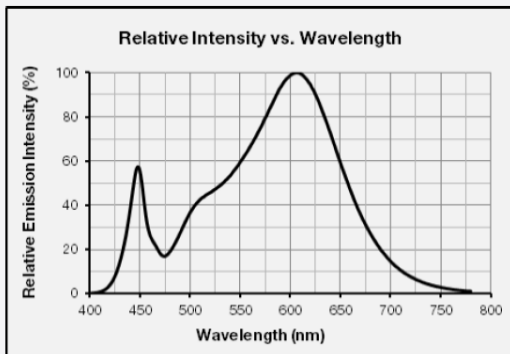


CCT	Center		3 step		
	CIE X	CIE Y	a	b	θ
3000K	0.4338	0.4030	0.0083	0.0041	53.22
4000K	0.3818	0.3797	0.0094	0.0040	53.72
6500K	0.3123	0.3282	0.0067	0.0029	58.57

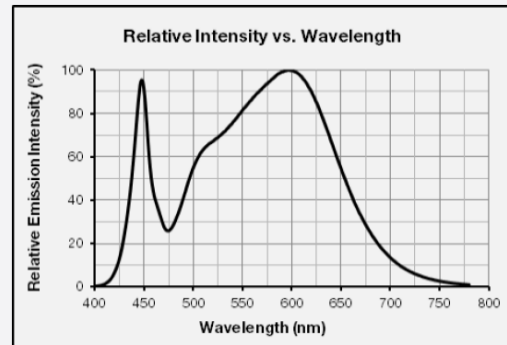
2.3 Spectrum

3000K

CCT: 3000 K (80 CRI)

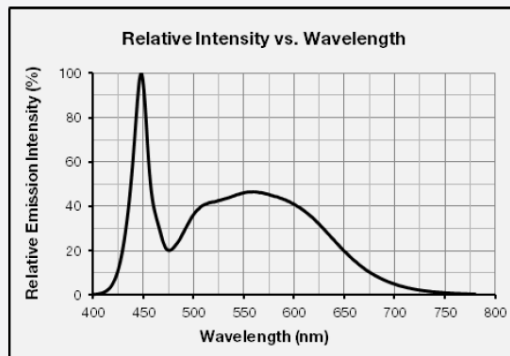


CCT: 4000 K (80 CRI)



6500K

CCT: 6500 K (80 CRI)



2.4 Brightness parameters

Product	CCT	Current (mA)	Lumen Flux(Lm) @ t_p -normal		Lumen Flux(Lm) @ t_p -max	
	(K)		Min.	Max.	Min.	Max.
PL-LIN-PRO 550-830-140	3000	300	459	561	417	510
PL-LIN-PRO 550-840-140	4000	300	504	616	458	560
PL-LIN-PRO 550-865-140	6500	300	504	616	458	560
PL-LIN-PRO 770-830-280	3000	300	693	847	630	770
PL-LIN-PRO 770-840-280	4000	300	756	924	686	840
PL-LIN-PRO 770-865-280	6500	300	756	924	686	840
PL-LIN-PRO 1100-830-280	3000	300	1058	1292	962	1175
PL-LIN-PRO 1100-840-280	4000	300	1152	1408	1048	1280
PL-LIN-PRO 1100-865-280	6500	300	1152	1408	1048	1280
PL-LIN-PRO 1550-830-560	3000	300	1285	1568	1165	1425
PL-LIN-PRO 1550-840-560	4000	300	1395	1705	1268	1550
PL-LIN-PRO 1550-865-560	6500	300	1395	1705	1268	1550
PL-LIN-PRO 2200-830-560	3000	300	1980	2420	1800	2200
PL-LIN-PRO 2200-840-560	4000	300	2160	2640	1960	2400
PL-LIN-PRO 2200-865-560	6500	300	2160	2640	1960	2400
PL-LIN-PRO 4400-830-1120	3000	300	3960	4840	3600	4400
PL-LIN-PRO 4400-840-1120	4000	300	4320	5280	3900	4800
PL-LIN-PRO 4400-865-1120	6500	300	4320	5280	3900	4800
PL-LIN-PRO 1100-930-280	3000	300	890	1090	810	995
PL-LIN-PRO 1100-940-280	4000	300	955	1165	870	1060
PL-LIN-PRO 2200-930-560	3000	300	1755	2145	1590	1950
PL-LIN-PRO 2200-940-560	4000	300	1890	2310	1710	2100

Remarks:

- Ranking at t_p -normal condition.
- Exceeding maximum ratings for operating and storage temperature will reduce expected life time or destroy the LED Module.
- The temperature of the LED module must be measured at the t_c -point according to EN60598-1 in thermal stable status. Exact location of t_c point please see "safety information".
- Due to the special conditions of the manufacturing processes of LED, the typical data or calculated correlations of technical parameters can only reflect statistical figures. These do not necessarily correspond to the actual parameters of each single product, which could differ from the typical data and calculated correlations or the typical characteristic line. If requested, e.g. because of technical improvements, these typ. data will be changed without any further notice.
- Tolerance of measurement of the luminous flux is $\pm 5\%$.

2.5 Lumen maintenance

Operation current	Lumen maintenance x1000 hours	L70			L80		
		B50	B20	B10	B50	B20	B10
250mA	T _c =25°C	>50	>50	>50	>50	>50	>50
	T _c =55°C	>50	>50	>50	>50	>50	>50
	T _c =85°C	TBC	TBC	TBC	TBC	TBC	TBC
300mA	T _c =25°C	>50	>50	>50	>50	>50	>50
	T _c =55°C	>50	>50	>50	>50	>50	>50
	T _c =85°C	TBC	TBC	TBC	TBC	TBC	TBC
350mA	T _c =25°C	>50	>50	>50	>50	>50	>50
	T _c =55°C	>50	>50	>50	>50	>50	>50
	T _c =85°C	TBC	TBC	TBC	TBC	TBC	TBC

2.6 Light distribution

Product	Distribution Graph	Beam angle range (2Xθ1/2)
PL-LIN-PRO XXXX-XXX-XXXX		120 ±5°

Electrical parameters

Driving mode	Constant Current	
Supply voltage range @300mA	PL-LIN-PRO 550-8xx-140	10.6~11.4V
	PL-LIN-PRO 770-8xx-280	15.9~17.1V
	PL-LIN-PRO 1100-8xx-280	24.3~26.1V
	PL-LIN-PRO 1550-8xx-560	29.5~31.8V
	PL-LIN-PRO 2200-8xx-560	45.9~49.3V
	PL-LIN-PRO 4400-8xx-1120	91.9~98.6V
	PL-LIN-PRO 1100-9xx-280	24.3~26.1V
	PL-LIN-PRO 2200-9xx-560	48.6~52.4V
Supply voltage range @250mA	PL-LIN-PRO 550-8xx-140	10.5~11.3V
	PL-LIN-PRO 770-8xx-280	15.7~17.0V
	PL-LIN-PRO 1100-8xx-280	24.2~26.1V
	PL-LIN-PRO 1550-8xx-560	28.9~31.1V
	PL-LIN-PRO 2200-8xx-560	45.6~49.2V
	PL-LIN-PRO 4400-8xx-1120	91.3~98.4V
	PL-LIN-PRO 1100-9xx-280	24.2~26.1V
	PL-LIN-PRO 2200-9xx-560	48.3~52.0V
Supply voltage range @350mA	PL-LIN-PRO 550-8xx-140	10.9~11.7V
	PL-LIN-PRO 770-8xx-280	16.3~17.6V
	PL-LIN-PRO 1100-8xx-280	24.5~26.5V
	PL-LIN-PRO 1550-8xx-560	29.9~32.2V
	PL-LIN-PRO 2200-8xx-560	46.3~49.9V
	PL-LIN-PRO 4400-8xx-1120	92.6~99.8V
	PL-LIN-PRO 1100-9xx-280	24.5~26.5V
	PL-LIN-PRO 2200-9xx-560	49.2~53.0V
Power range @ 300mA	PL-LIN-PRO 550-8xx-140	3.18~3.43W
	PL-LIN-PRO 770-8xx-280	4.78~5.15W
	PL-LIN-PRO 1100-8xx-280	7.30~7.86W
	PL-LIN-PRO 1550-8xx-560	8.82~9.51W
	PL-LIN-PRO 2200-8xx-560	13.78~14.85W
	PL-LIN-PRO 4400-8xx-1120	27.56~29.70W
	PL-LIN-PRO 1100-9xx-280	7.30~7.86W
	PL-LIN-PRO 2200-9xx-560	14.59~15.72W
Power range @ 250mA	PL-LIN-PRO 550-8xx-140	2.62~2.83W
	PL-LIN-PRO 770-8xx-280	3.94~4.24W
	PL-LIN-PRO 1100-8xx-280	6.06~6.53W
	PL-LIN-PRO 1550-8xx-560	7.23~7.79W
	PL-LIN-PRO 2200-8xx-560	11.41~12.30W
	PL-LIN-PRO 4400-8xx-1120	22.82~24.60W
	PL-LIN-PRO 1100-9xx-280	6.06~6.53W
	PL-LIN-PRO 2200-9xx-560	12.07~13.01W
Power range @ 350mA	PL-LIN-PRO 550-8xx-140	3.80~4.10W
	PL-LIN-PRO 770-8xx-280	5.70~6.15W
	PL-LIN-PRO 1100-8xx-280	8.59~9.26W
	PL-LIN-PRO 1550-8xx-560	10.46~11.27W
	PL-LIN-PRO 2200-8xx-560	16.21~17.47W
	PL-LIN-PRO 4400-8xx-1120	32.42~34.94W
	PL-LIN-PRO 1100-9xx-280	8.59~9.26W
	PL-LIN-PRO 2200-9xx-560	17.21~18.55W
Connection wire gauge	DG2002-4.0-01P	19-24AWG

Electrical parameters – If max value

Supply Current Maximum (If max) @ tc=85°C	PL-LIN-PRO 550-8xx-140	600mA
	PL-LIN-PRO 770-8xx-280	600mA
	PL-LIN-PRO 1100-8xx-280	450mA
	PL-LIN-PRO 1550-8xx-560	600mA
	PL-LIN-PRO 2200-8xx-560	450mA
	PL-LIN-PRO 4400-8xx-1120	450mA
	PL-LIN-PRO 1100-9xx-280	450mA
	PL-LIN-PRO 2200-9xx-560	450mA

The modules are designed for operation with OPTOTRONIC® / Element Driver.

*) Exceeding maximum ratings for operating and storage temperature will reduce expected life time 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.

Environmental and Application Conditions

Ambient temperature range (ta on free air)	-20°C~65°C
Operating (case) temperature range (tc)	-20°C~85°C
Storage temperature range	-30°C~85°C
Lifetime @ tp-normal (L80/B10), Ra > 80	50,000 hours
Lifetime @ tp-normal (L80/B50), Ra > 90	50,000 hours

The modules are designed for operation with OPTOTRONIC® / Element Driver.

*) Exceeding maximum ratings for operating and storage temperature will reduce expected life time 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.

Standards / Normative Requirements

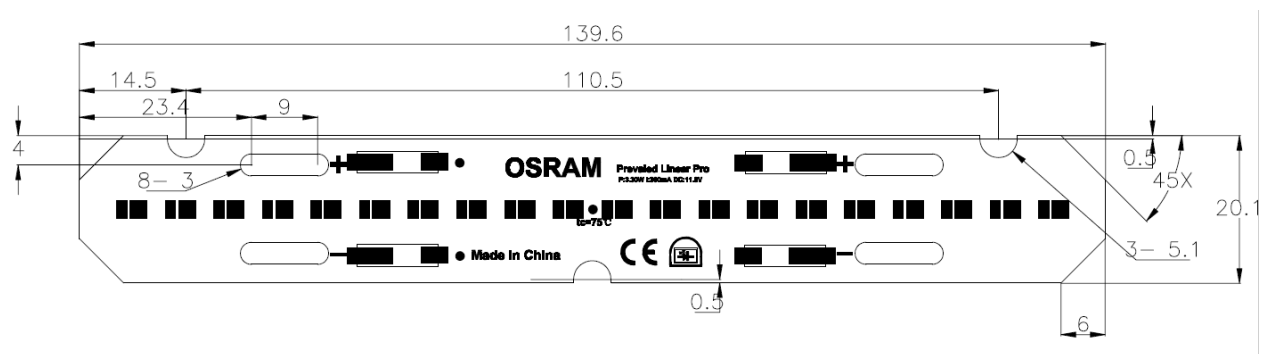
Eye security	IEC 62471
Flammability	IEC 60598
Safety Requirements	IEC 62031 IEC 60598
EMC radio disturbance characteristics	CISPR 15
EMC immunity	IEC 61547
EMC limits for harmonic current emissions	IEC 61000-3-2
EMC limitation of voltage changes, voltage fluctuations and flicker	IEC 61000-3-3
CE Mark	Yes

LED Pitch

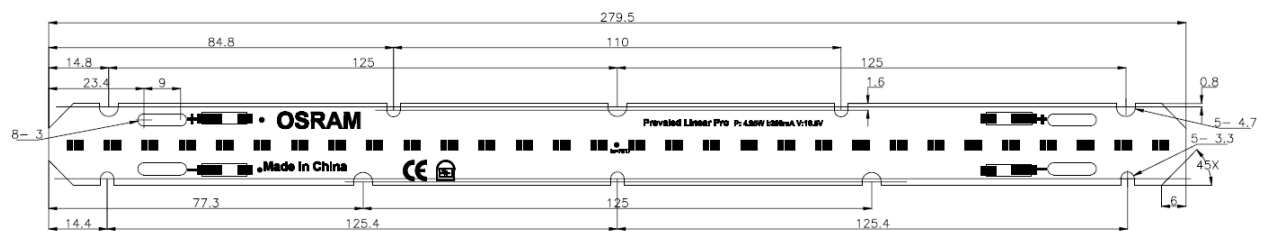
Product	Number of LEDs	Pitch (mm)
PL-LIN-PRO 550-8xx-140	20	7.00
PL-LIN-PRO 770-8xx-280	30	9.33
PL-LIN-PRO 1100-8xx-280	27	10.37
PL-LIN-PRO 1550-8xx-560	55	10.18
PL-LIN-PRO 2200-8xx-560	51	10.98
PL-LIN-PRO 4400-8xx-1120	102	10.93
PL-LIN-PRO 1100-9xx-280	27	10.37
PL-LIN-PRO 2200-9xx-560	54	10.37

Product Drawing

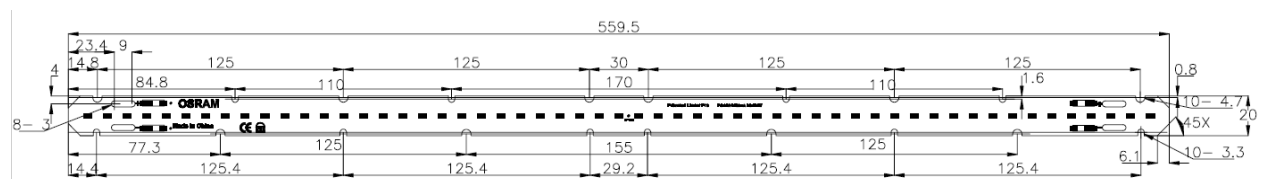
PL-LIN-PRO 550-8xx-140



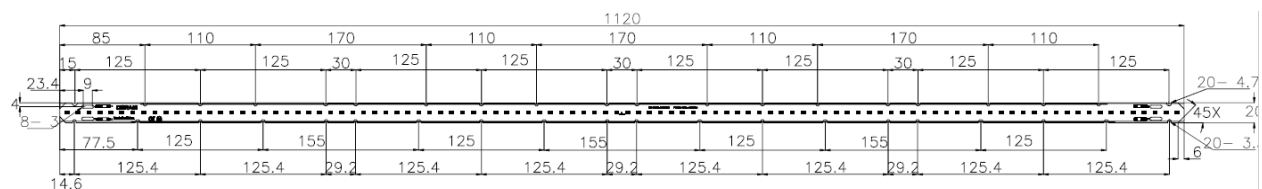
PL-LIN-PRO 770-8xx-280 / PL-LIN-PRO 1100-8xx-280 / PL-LIN-PRO 1100-9xx-280



PL-LIN-PRO 1550-8xx-280 / PL-LIN-PRO 2200-8xx-280 / PL-LIN-PRO 2200-9xx-280



PL-LIN-PRO 4400-8xx-1120



System matching combination (Base on module driven current 300mA)

OT FIT CS (4 current selectable driver – SELV)

PrevaLED Linear Pro is designed to be operated by OT FIT SELV drivers in parallel connection. Current setting via Dip switch.

PrevaLED Linear Pro	OT FIT 27-54V	OT FIT 35W/220...240/700 CS L AP	OT FIT 55W/220...240/1050 CS L AP	OT FIT 75W/220...240/1400 CS L AP
		500, 600, 650, 700 mA	800, 900, 975, 1050 mA	1100, 1200, 1300, 1400mA
	280 x 30 x 21mm	280 x 30 x 21mm	360 x 30 x 21mm	
550 lm (CRI80)	8(Xs2p)	12(Xs3p)	16(Xs4p)	
770 lm (CRI80)	4(Xs2p)	6(Xs3p)	12(Xs4p)	
1100 lm (CRI80)	4(Xs2p)	6(Xs3p)	8(Xs4p)	
1550 lm (CRI80)	2(1s2p)	3(1s3p)	4(1s4p)	
2200 lm (CRI80)	2(1s2p)	3(1s3p)	4(1s4p)	
4400 lm (CRI80)	-	-	-	
1100 lm (CRI90)	2(1s2p)	6(Xs3p)	8(Xs4p)	
2200 lm (CRI90)	2(1s2p)	3(1s3p)	4(1s4p)	

OTi DALI (wide window driver – SELV)

PrevaLED Linear Pro is designed to be operated by OTi DALI drivers in parallel connection. Adjustable current via LEDset or via software.

PrevaLED Linear Pro	OTi DALI 20-54V	OTi DALI 35/220...240/700 LT2 L	OTi DALI 50/220...240/1A4 LT2 L	OTi DALI 80/220...240/1A6 LT2 L	OTi DALI 80/220...240/2A1 LT2 L
		200 ~ 700mA	600 ~ 1400mA	600 ~ 1550mA	1000 ~ 2100mA
	360 x 30 x 21mm	360 x 30 x 21mm	360 x 30 x 21mm	360 x 30 x 21mm	360 x 30 x 21mm
550 lm (CRI80)	4(Xs1p) 8(Xs2p)	12(Xs3p)	-	-	
770 lm (CRI80)	2(Xs1p) 4(Xs2p)	9(Xs3p)	-	-	
1100 lm (CRI80)	2(Xs1p) 4(Xs2p)	6(Xs3p)	5(1s5p)	7(1s7p)	
1550 lm (CRI80)	1(1s1p) 2(1s2p)	3(1s3p)	5(1s5p)	7(1s7p)	
2200 lm (CRI80)	1(1s1p) 2(1s2p)	3(1s3p)	4(1s4p)	4(1s4p)	
4400 lm (CRI80)	-	-	-	-	
1100 lm (CRI90)	1(1s1p) 2(1s2p)	6(Xs3p)	5(1s5p)	7(1s7p)	
2200 lm (CRI90)	1(1s1p) 2(1s2p)	3(1s3p)	4(1s4p)	4(1s4p)	

Element (4 current selectable driver – Non-SELV)

PrevaLED Linear Pro is designed to be operated by Element Non-SELV drivers in serial connection. Simple current selection via dip switch.

PrevaLED Linear Pro	Element	Element 18 / 220 – 240 / 350 D CS L	Element 40 / 220 – 240 / 350 D CS L	Element 60 / 220 – 240 / 350 D CS L
		25 ~ 54V	55 ~ 120V	90 ~ 190V
		200, 250, 300, 350 mA	200, 250, 300, 350 mA	200, 250, 300, 350 mA
		210 x 30 x 21mm	210 x 30 x 21mm	210 x 30 x 21mm
	550 lm (CRI80)	4(Xs1p)	9(Xs1p)	15(Xs1p)
	770 lm (CRI80)	3(Xs1p)	6(Xs1p)	10(Xs1p)
	1100 lm (CRI80)	2(Xs1p)	4(Xs1p)	7(Xs1p)
	1550 lm (CRI80)	1(1s1p)	3(Xs1p)	5(Xs1p)
	2200 lm (CRI80)	1(1s1p)	2(Xs1p)	3(Xs1p)
	4400 lm (CRI80)	-	1(1s1p)	1(1s1p)
	1100 lm (CRI90)	2(Xs1p)	4(Xs1p)	7(Xs1p)
	2200 lm (CRI90)	1(1s1p)	2(Xs1p)	3(Xs1p)

OT FIT (4 current selectable driver – Non-SELV)

PrevaLED Linear Pro is designed to be operated by OT FIT Non-SELV drivers in serial connection. Simple current selection via dip switch.

PrevaLED Linear Pro	OT FIT	OT FIT 35 / 220 – 240 / 350 D CS L	OT FIT 65 / 220 – 240 / 350 D CS L
		40 ~ 115V (300mA)	70 ~ 190V (300mA)
		200, 250, 300, 350 mA	200, 250, 300, 350 mA
		210 x 30 x 21mm	210 x 30 x 21mm
	550 lm (CRI80)	9(Xs1p)	16(Xs1p)
	770 lm (CRI80)	6(Xs1p)	10(Xs1p)
	1100 lm (CRI80)	4(Xs1p)	7(Xs1p)
	1550 lm (CRI80)	3(1s1p)	5(Xs1p)
	2200 lm (CRI80)	2(1s1p)	3(Xs1p)
	4400 lm (CRI80)	1(1s1p)	1(1s1p)
	1100 lm (CRI90)	4(Xs1p)	7(Xs1p)
	2200 lm (CRI90)	2(1s1p)	3(Xs1p)

OTi DALI Ultraflat (window driver – Non-SELV)

PrevaLED Linear Pro is designed to be operated by OTi DALI drivers in serial or combined serial-parallel connection*. Adjustable current via DALI or NFC Technology.

PrevaLED Linear Pro	OTi DALI Ultraflat 54-240V	OTi DALI 35/220-240/400 D LT2 UF L	OTi DALI 75/220-240/700 D LT2 UF L
		54 ~ 240V	54 ~ 240V
		75 ~ 400 mA	150 ~ 700 mA
		360 x 30 x 11mm	360 x 30 x 11mm
	550 lm (CRI80)	10(Xs1p)	20(Xs2p)
	770 lm (CRI80)	7(Xs1p)	12(Xs2p)
	1100 lm (CRI80)	4(Xs1p)	10(Xs2p)
	1550 lm (CRI80)	3(Xs1p)	6(Xs2p)
	2200 lm (CRI80)	2(Xs1p)	4(Xs2p)
	4400 lm (CRI80)	1(1s1p)	2(Xs2p)
	1100 lm (CRI90)	4(Xs1p)	10(Xs2p)
	2200 lm (CRI90)	2(Xs1p)	4(Xs2p)

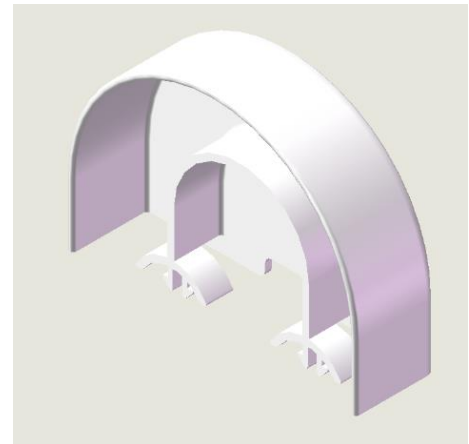
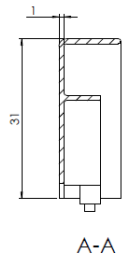
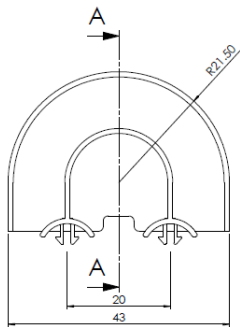
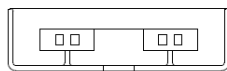
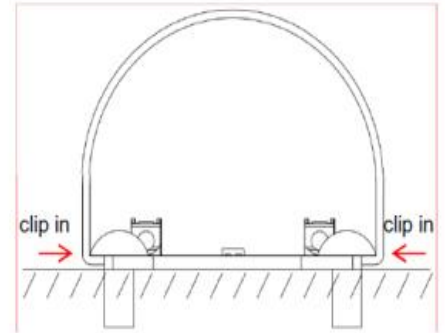
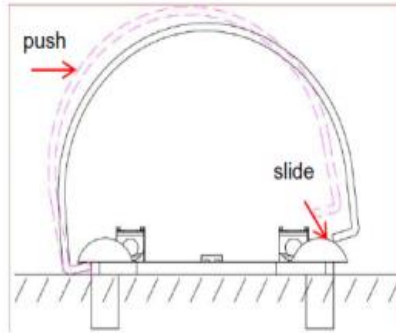
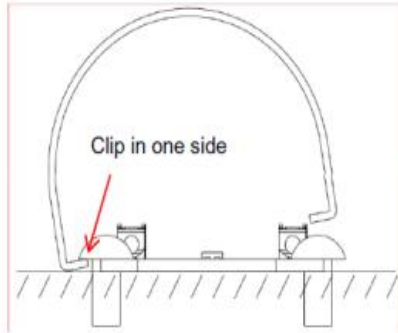
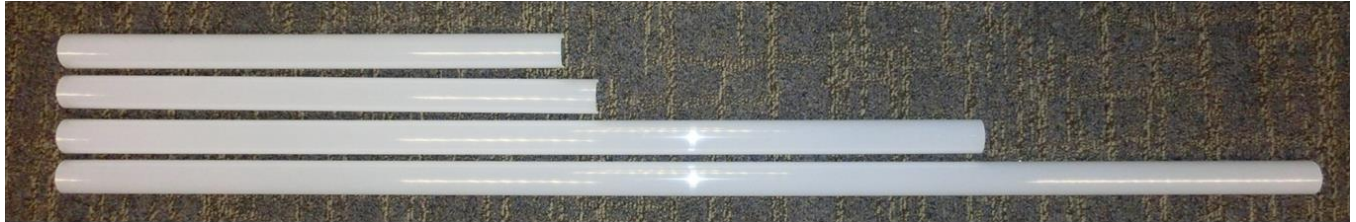
OTi DALI (window driver – Non-SELV)

PrevaLED Linear Pro is designed to be operated by OTi DALI drivers in serial connection. Adjustable current via DALI programmable or LEDset2.

PrevaLED Linear Pro	OTi DALI 54-240V	OTi DALI 35/220-240/400 D LT2 L	OTi DALI 60/220-240/550 D LT2 L
		54 ~ 240V	54 ~ 240V
		75 ~ 400 mA	150 ~ 550 mA
		280 x 30 x 11mm	280 x 30 x 21mm
	550 lm (CRI80)	10(Xs1p)	-
	770 lm (CRI80)	7(Xs1p)	-
	1100 lm (CRI80)	4(Xs1p)	7(Xs1p)
	1550 lm (CRI80)	3(Xs1p)	5(Xs1p)
	2200 lm (CRI80)	2(Xs1p)	4(Xs1p)
	4400 lm (CRI80)	1(1s1p)	2(Xs1p)
	1100 lm (CRI90)	4(Xs1p)	7(Xs1p)
	2200 lm (CRI90)	2(Xs1p)	4(Xs1p)

Accessories

PrevaLED Linear Diffuser and End Cap

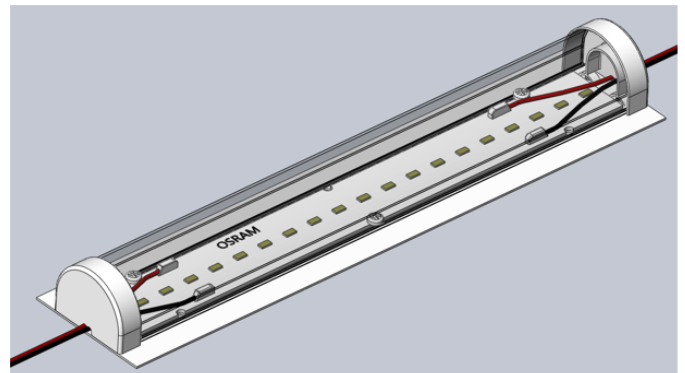
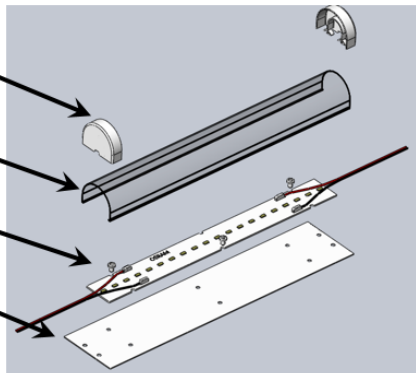


End cap

Cover

Linear

Sheet



Order Number

Model		EAN10	S-unit	EAN40	S-unit
PL-LIN-PRO 550-830-140 2XTRY50	OSRAM	4052899586727	1	4052899586741	100
PL-LIN-PRO 550-840-140 2XTRY50	OSRAM	4052899586758	1	4052899586772	100
PL-LIN-PRO 550-865-140 2XTRY50	OSRAM	4052899586789	1	4052899586802	100
PL-LIN-PRO 770-830-280 2XTRY50	OSRAM	4052899586819	1	4052899586833	100
PL-LIN-PRO 770-840-280 2XTRY50	OSRAM	4052899586840	1	4052899586864	100
PL-LIN-PRO 770-865-280 2XTRY50	OSRAM	4052899586871	1	4052899586895	100
PL-LIN-PRO 1100-830-280 2XTRY50	OSRAM	4052899586901	1	4052899586925	100
PL-LIN-PRO 1100-840-280 2XTRY50	OSRAM	4052899586932	1	4052899586956	100
PL-LIN-PRO 1100-865-280 2XTRY50	OSRAM	4052899586963	1	4052899586987	100
PL-LIN-PRO 1550-830-560 3XTRY30	OSRAM	4052899586994	1	4052899587014	90
PL-LIN-PRO 1550-840-560 3XTRY30	OSRAM	4052899587021	1	4052899587045	90
PL-LIN-PRO 1550-865-560 3XTRY30	OSRAM	4052899587052	1	4052899587076	90
PL-LIN-PRO 2200-830-560 3XTRY30	OSRAM	4052899587083	1	4052899587106	90
PL-LIN-PRO 2200-840-560 3XTRY30	OSRAM	4052899587113	1	4052899587137	90
PL-LIN-PRO 2200-865-560 3XTRY30	OSRAM	4052899587144	1	4052899587168	90
PL-LIN-PRO 4400-830-1120 3XTRY30	OSRAM	4052899587175	1	4052899587199	90
PL-LIN-PRO 4400-840-1120 3XTRY30	OSRAM	4052899587205	1	4052899587229	90
PL-LIN-PRO 4400-865-1120 3XTRY30	OSRAM	4052899587236	1	4052899587250	90
PL-LIN-PRO 1100-930-280 2XTRY50	OSRAM	4052899587267	1	4052899587281	100
PL-LIN-PRO 1100-940-280 2XTRY50	OSRAM	4052899587298	1	4052899587311	100
PL-LIN-PRO 2200-930-560 3XTRY30	OSRAM	4052899587328	1	4052899587342	90
PL-LIN-PRO 2200-940-560 3XTRY30	OSRAM	4052899587359	1	4052899587373	90

Safety Information

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")

OSRAM OPTOTRONIC® electronic control gear complies to all relevant standards and guarantees safe operation.

- ★ The LED module itself and all its components may not be mechanical stressed.
- ★ Assembly must not damage or destroy conducting paths on the circuit board.
- ★ To avoid mechanical damage to the connectors, the module should be attached securely to the fixture. Heavy vibration should be avoided.
- ★ 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.
- ★ Please ensure that the power supply is of adequate power to operate the total load.
- ★ Please ensure that the power supply with correct output parameters (driving mode, voltage, current) for LED module.
- ★ Pay attention to standard ESD precautions when installing the module.
- ★ If surge protection structure not within power supplier, a lightning protector should be needed additionally.



★

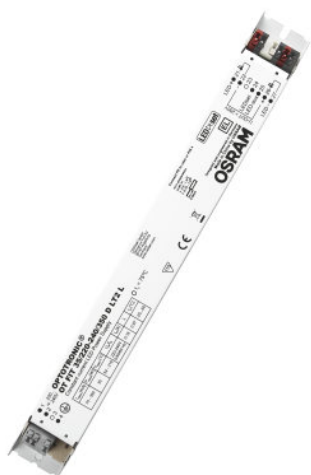
OSRAM Asia Pacific

2F, Block B, Jiaxing Building,
No 3151, Shahe West Road, Xili,
Nashan District, 518055, Shenzhen,
Guangdong, P.R. China
<https://www.osram.com/ds>

Sales and technical support is given by the local OSRAM subsidiaries. Complete subsidiaries listing is available at OSRAM homepage.

OT FIT 25/220...240/300 D LT2 L

OPTOTRONIC FIT D LT2 L | Linear / Area Constant Current – Non dimmable



Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

Product family benefits

- Flexible current setting (LEDset2)
- Lifetime: up to 100,000 h (temperature at $T_C = 65\text{ }^\circ\text{C}$, max. 10 % failure rate)
- High quality of light thanks to low output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 120 W
- Supply voltage: 220...240 V
- Available with output current range: up to 750 mA
- Non-isolated drivers



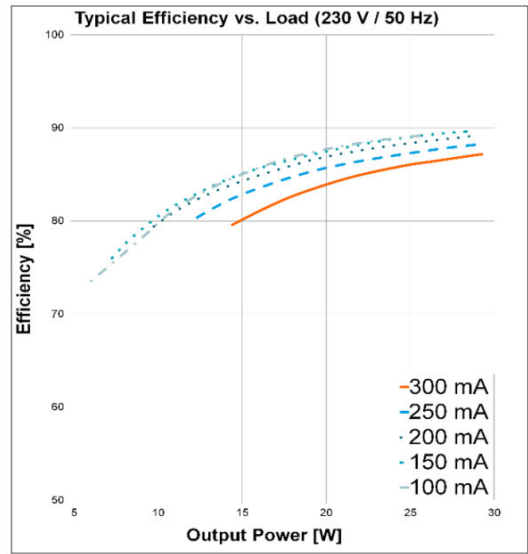
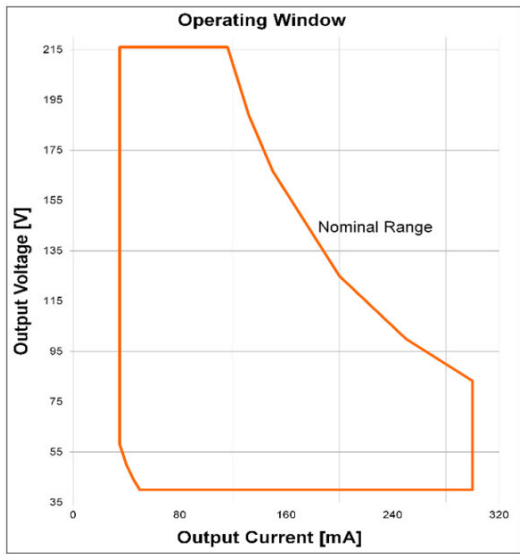
Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	LEDset
Total harmonic distortion	10...20 %
Power factor λ	> 0.94
ECG efficiency	up to 90 %
Device power loss	3.0 W
Inrush current	-
Max. ECG no. on circuit breaker 10 A (B)	63
Max. ECG no. on circuit breaker 16 A (B)	100
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	40...216 V
U-OUT (working voltage)	40...216 V
Nominal output current	35...300 mA ¹⁾
Output current LEDset open	35 mA
Output current LEDset shorted	300 mA
Default output current	35 mA ²⁾
Output current tolerance	± 5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	2...25 W
Galvanic isolation	Non isolated

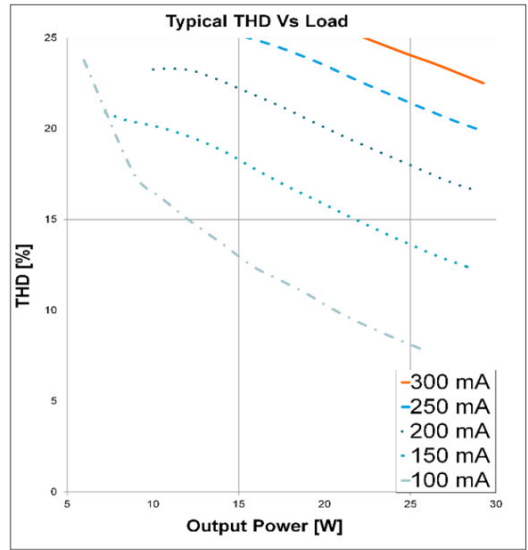
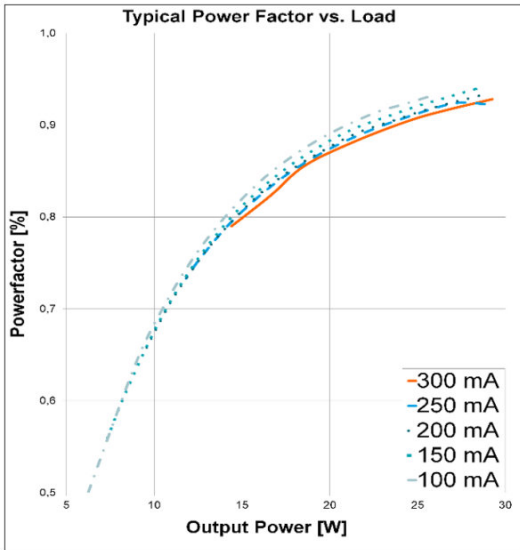
¹⁾ ± 5 %

²⁾ LEDset deactivated



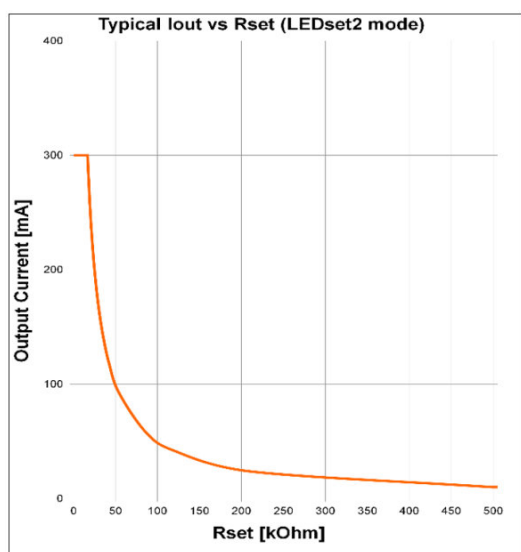
Operating Window

Typical Efficiency v Load 230 V 50 Hz



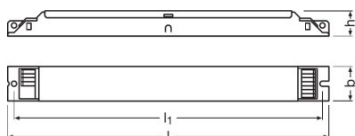
Typical Power Factor v Load

Typical THD v Load



Typical Iout v Rset LEDset2 mode

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	153.00 g
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

Product datasheet

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+60 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Number of channels	1

Programming

Tuner4TRONIC	No
Tuner4TRONIC Field App	No
Programming device	LEDset

Certificates & standards

Approval marks – approval	CE / EL / VDE-EMC / ENEC 10 / CCC / RCM
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Product datasheet

Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547
Protection class	I
Type of protection	IP20

Logistical data

Commodity code	850440829000
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Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Certificates VDE EMC Certificate 40011668
	Certificates VDE ENEC Certificate 40038085
	Certificates CCC Certificate 2018171002002243
	Declarations of conformity OT FIT D LT2 L CE 3461268 121119
	Declarations of conformity EATON(CEAG) Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
	Declarations of conformity INOTEC Conformity declaration AM10893_OT_FIT_25_220-240_300_D_LT2_L
	CAD data OT FIT D LT2 L IGS 150120
	CAD data OT FIT D LT2 L STEP 150120
	CAD Data 2-dim OT FIT D LT2 L CAD2PDF 150120
	CAD data 3-dim OT FIT D LT2 L CAD3PDF 150120

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899990289	OT FIT 25/220...240/300 D LT2 L	Shipping carton box 20	305 mm x 161 mm x 104 mm	5.11 dm ³	3237.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Product datasheet

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.