PL-LIN-Z2 1100-8TW 280X20-HV

PrevaLED Linear TW G2 | Linear Light Engines



Product family features

- Module efficacy: up to 170 lm/W with 2,700K
- Module efficacy: up to 190 lm/W with 6,500K
- Available module length: 62 mm, 280 mm, 560 mm
- Available with luminous flux: 245 lm, 1,100 lm and 2,200 lm
- Color temperature range: 2,700...6,500 K
- Color rendering index Ra: >80 and >90
- Initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): up to 70,000 h (temperature at T_c = 55 °C)

Product family benefits

- Tunable White by adjustable colour temperature from 2,700 K to 6,500 K
- SELV or non-isolated LED Module with perfect match to Optotronic TW driver
- Cut out area for shadow-free wiring
- High homogeneity thanks to small LED pitch

Areas of application

- Offices
- Education
- Healthcare





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Technical data

Electrical data

Nominal voltage	23.2 V
Nominal current	0.275 A
Type of current	DC
On-mode power	6.80 W
Energy consumption in on-mode	6.8 kWh/1000h

Photometrical data

Luminous efficacy	171…191 lm/W
Color rendering index Ra	80
Correlated color temperature CCT	6500 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φuse)	1218 lm

Light technical data

Beam angle	0 °
Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

LED module information

Number of LEDs per module	54

Dimensions & weight

Product weight	20.00 g
Height	5.0 mm
Length	280.0 mm
Width	20.0 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	50 °C
Temperature range in operation at Tc point	-20…75 °C
Maximum temperature at tc test point	75 °C
Temperature range at storage	-30…85 °C
Ambient temperature range	-20…+75 °C

Lifespan

Number of switching cycles	100000

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Lumen maintenance factor LMF	96
L70B50 lifetime	50000 h

Additional product data

Lighting technology used	LED
Predecessor EAN	4052899999541

Capabilities

Dimmable	Yes

Certificates & standards

Standards	CE/ENEC
Type of protection	IP20
Energy efficiency class	C

Logistical data

Commodity code	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	18-04-2022
Primary Article Identifier	4052899618572
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

	File
	Certificates PL ENEC 40031612 250723
	Declarations of conformity PL LIN Z2 TW CE 4227114 141220

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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899618572	PL-LIN-Z2 1100-8TW 280X20-HV	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm^3	1632.00 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.

Disclaimer

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

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