

PL-LIN 2000-840 280x24 DS

PrevaLED Linear G6 DS | Linear Light Engines



Product family features

- High color consistency: ≤ 3 SDCM
- Lifetime (L80 B10): $> 60,000$ h (temperature at $T_p = 55$ °C)
- Luminous flux: 1000 lm on 140 mm
- Luminous flux: 2000 lm on 280 mm
- Luminous flux: 4000 lm on 560 mm
- Luminous flux: 3500 lm on 1120 mm
- Module efficacy: up to 190 lm/W
- CE and ENEC certified and UKCA marked
- Dimensions match to external optics (e.g. LEDIL)
- Available with CRI >80 and CRI >90
- Variation of color temperatures (3000K and 4000K)

Product family benefits

- Adjustable luminous flux, efficacy and lifetime
- Allows very compact luminaire designs
- Allows multiple module configurations in luminaires
- High homogeneity thanks to LED clusters
- Available in different lengths
- High efficacy LED Modules
- Small LED module design avoids shades, delivering great light uniformity
- Can be operated with OPTOTRONIC SELV and non-SELV drivers with $U_{out\ max.} < 250$ V
- The lengths 140 mm, 280 mm and 1120 mm can be driven with OPTOTRONIC SELV drivers



Product datasheet

Areas of application

- Industry
- Office
- Public and commercial buildings
- Shop lighting

Technical data

Electrical data

Nominal voltage	39.0 V
Nominal current	0.3 A
Type of current	DC
On-mode power	11.90 W
Energy consumption in on-mode	11.9 kWh/1000h

Photometrical data

Luminous efficacy	174 lm/W
Color rendering index Ra	80
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φ_{use})	2020 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	28
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Dimensions & weight

Product weight	21.00 g
Height	5.6 mm
Length	279.0 mm
Width	23.6 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	55 °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...+70 °C

Lifespan

Number of switching cycles	100000
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Product datasheet

Lumen maintenance factor LMF	96
L70B50 lifetime	50000 h

Additional product data

Lighting technology used	LED
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Capabilities

Dimmable	Yes
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Certificates & standards

Standards	CE/ENEC/UKCA
Type of protection	IP20
Energy efficiency class	D


Logistical data

Commodity code	85414100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	19-06-2023
Primary Article Identifier	4062172307000
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

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.

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172307000	PL-LIN 2000-840 280x24 DS	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1692.00 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.