PL-LIN-QD 1300-930 280x20-HV

PrevaLED Linear QD | Linear Light Engines

Product family features

- High initial color consistency: ≤ 3 SDCM
- Lifetime (L85 B50): > 90,000 h (temperature at Tp = 55 °C)
- Luminous flux: 280 lm on 62 mm
- Luminous flux: 570 lm on 124 mm
- Luminous flux: 1300 lm on 280 mm
- Luminous flux: 2600 lm on 560 mm
- Module efficacy: up to 185 lm/W
- CE and ENEC certified and UKCA marked
- 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 small LED pitch
- Available with a wide range of lengths
- High efficacy LED Modules for CRI 90
- Small LED module design avoids shades, delivering great light uniformity
- Can be operated with OPTOTRONIC SELV and non-SELV drivers with Uout max. < 250 V
- Can be operated with OPTOTRONIC SELV drivers in the right configuration

Areas of application

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

Technical data

Electrical data

Nominal voltage	24.5 V
Nominal current	0.3 A
Type of current	DC
On-mode power	7.30 W
Energy consumption in on-mode	7.3 kWh/1000h

Photometrical data

Luminous efficacy	170 lm/W
Color rendering index Ra	90
Correlated color temperature CCT	3000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φuse)	1174 lm

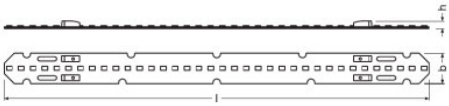
Light technical data

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

LED module information

Number of LEDs per module	36

Dimensions & weight



Product weight	20.00 g
Height	6.0 mm
Length	280.0 mm
Width	20.0 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
Lumen maintenance factor LMF	96
L70B50 lifetime	100000 h

Additional product data

Lighting technology used	LED

Capabilities

Dimmable	Yes

Certificates & standards

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

Logistical data

Commodity code	85414100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	25-07-2023
Primary Article Identifier	4062172317108
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

File

	Certificates PL BRICK BA BAR CLE VDE ENEC 40045382 210723

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
4062172317108	PL-LIN-QD 1300-930 280x20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 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.