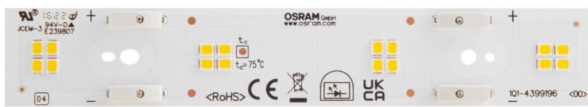


PL-LIN 1000-940 140x24 DS

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



Areas of application

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

Technical data

Electrical data

Nominal voltage	22.00 V
Nominal current	0.3 A
Type of current	DC
On-mode power	6.8 W
Energy consumption in on-mode	6.8 kWh/1000h
Networked standby power	0
Max. drive current	400 mA

Photometrical data

Luminous efficacy	147 lm/W
Color Rendering Index	90
Color rendering index Ra	90
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φ_{use})	990 lm

Light technical data

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

LED module information

Number of LEDs per module	16
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Dimensions & weight

Product weight	15.00 g
Height EPREL	5.6 mm
Length EPREL	139 mm
Width EPREL	23.6 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	55 °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	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	E

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	31-03-2026
Primary Article Identifier	4062172306966 6937186114594
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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
6937186114594 INVENTRONICS	PL-LIN 1000-940 140x24 DS	Shipping carton box 60 Pieces	290 x 172 x 95 mm	4.74 dm ³	17.63 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.