



PL16

APPLICATIONS

The PL16 series was developed to deliver a reliable LED solution for replacing halogen lamps, but with single LED ARRAY instead of the usual multi LED. The key feature is the very high CRI, typically 97, which enables lighting technicians to realistically recreate the entire colour palette, for incredible and sophisticated lighting effects. This feature makes it an exclusive product for professionals in search of high performance without compromising the quality of light generated. The extremely wide range of uses include retail sales areas and hospitality environments, museums and architectural illumination.



FEATURES

High CRI

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming - fully dimmable, with external dimmer

IP20 protection rating

Long life and low maintenance costs

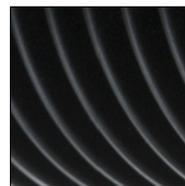
Ecological, no disposal restrictions



Reflector



LED



Heat-sink

SPECIFICATIONS

Performance

LED type	COB
LED nr. and model	1x Bridgelux Vero
Total lumen output (at 85°C)	Up to 1200 lm
Colour temperature	2700 - 3000 - 3500 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90
Other colours	n.a.

Electrical

Supply type	Constant current
Supply value	350 / 500 mA
Maximum power consumption	5 / 10 W
Connection	Cable 2x0.5 mmq L=0,5 m

Physical

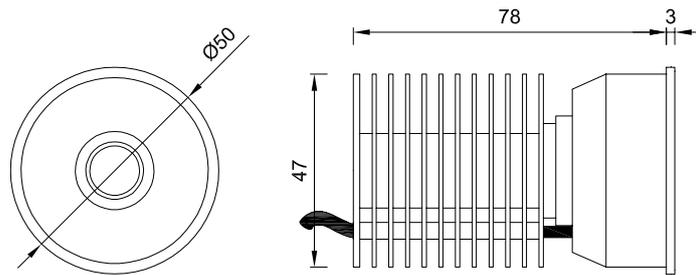
Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	Metallized polycarbonate
Optic type	Reflector
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,08 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model	Power	Optic	Colour
▼	▼	▼	▼
pL16	---	---	---
pL16 PL16	05W 5W 10W 10W	R24 Reflector 24° R32 Reflector 32° R50 Reflector 50°	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: pL16-10WR24K40

TECHNICAL DRAWING



ACCESSORIES

Spotlights



Recessed comfort light with round flange diam. 85 mm, assembly hole diam. 75 mm, white matte finish

CMP00660



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, white matte finish

CMP00654



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, brushed nickel finish

CMP00655



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, white matte finish

CMP00656



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, brushed nickel finish

CMP00657



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82 mm, white matte finish

CMP00658



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82mm, brushed nickel finish

CMP00659