Coreline tempo large

BVP130 LED160-4S/740 PSU S ALU C1KC3

Coreline tempo large, Floodlight, 109 W, 16000 lm, 4000 K, CRI70, Symmetrical, IP66

CoreLine tempo large delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A narrow range of options makes it easy to find the best lux-for-lux replacement for 150-W, 250 -W and 400-W HID lamps. The CoreLine tempo large floodlighting range offers lumen packages for many different application areas as well as a choice of high-performance asymmetrical and symmetrical optics. The installation is made easy thanks to the U-shaped universal mounting bracket and the external, quick 3-poles connector. It is an ideal solution for outdoor areas such as tempo floodlights for industrial/commercial areas, car parks etc.

Product data

General Information

Lamp family code	LED160-4S [LED module, system flux 16000 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might

	automatically dim down to protect components
Light source engine type	LED
Product family code	BVP130 [CORELINE TEMPO LARGE]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

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Light Technical

Upwards light output ratio	0
Luminous Flux	16,000 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	154 lm/W
Colour rendering index (CRI)	70
Number of light sources	60
Light source colour	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	70° x 21°
Optic type outdoor	Symmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	109 W
Power Factor (Fraction)	0.99
Connection	External connector
Cable	Cable 1.0 m with plug Wieland/Adels compatible 3-pole
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	−40 to +45 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	340.5 mm

Overall width	422 mm
Overall height	40 mm
Effective projected area	0.15 m²
Dimensions (height x width x depth)	40 x 422 x 341 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Sustainability rating	–
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	10 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 75000 h	L80
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BVP130 LED160-4S/740 PSU S ALU C1KC3
Full product name	BVP130 LED160-4S/740 PSU S ALU C1KC3
Full EOC	871869909644100
Order code	09644100
Material no. (12 NC)	912300023665
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699096441
Numerator – packs per outer box	1
EAN/UPC – Case	8718699096441

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change