



# 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 150W, 250W, and 400W 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, parking lots, etc.

### Product data

General Information		Operating and Electrical	
Lamp family code	LED160-4S [LED module, system flux 16000 lm]	Correlated Color Temperature (Nom)	4000 K
Light source replaceable	Yes	Luminous Efficacy (rated) (Nom)	154 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	70
Driver included	Yes	Number of light sources	60
Light source engine type	LED	Light source color	740 neutral white
Service tag	Yes	Luminaire light beam spread	70° x 21°
Lighting Technology	LED	Optic type outdoor	Symmetrical
Value ladder	Performance	Effective projected area	0.15 m <sup>2</sup>
Warranty period	5 years		
Light Technical		Operating and Electrical	
Upward light output ratio	0	Input Voltage	220 to 240 V
Luminous Flux	16,000 lm	Line Frequency	50 to 60 Hz
		Inrush current	53 A
		Inrush time	0.3 ms
		Power Consumption	109 W

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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
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode
Total harmonic distortion	8.9 %

### Controls and Dimming

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

### Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Grey
Mounting device	Wall-mounting bracket
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	340.5 mm
Overall width	422 mm
Overall height	67.4 mm
Dimensions (Height x Width x Depth)	67 x 422 x 341 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Flat glass
Net Weight (Piece)	7.500 kg

### Emergency Operation

Central Emergency	No
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### Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically

Ambient temperature range	-40 to +45 °C
there is no relevant difference in lumen maintenance between B50 and for example 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	

### 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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 75000 h	10 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

### Sustainability Data

Sustainability rating	Unclassified
Embedded carbon (A1-A3)	75 kg CO <sub>2</sub> e
Product non-virgin material ratio	5.11 %
Recyclable content ratio of the finished product	40.9 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)

### Product Data

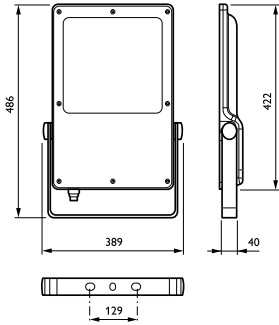
Order product name	BVP130 LED160-4S/740 PSU S ALU C1KC3
Full product name	BVP130 LED160-4S/740 PSU S ALU C1KC3
Full product code	871869909644100
Order code	912300023665
Material Nr. (12NC)	912300023665
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699096441
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699096441

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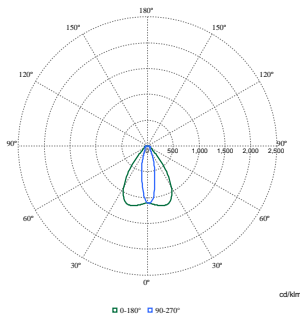
Product family code

BVP130 [CORELINE TEMPO LARGE]

## Dimensional drawing



## Photometric data



Polar Normal (separate) - BVP130I - 912300023665

