Coreline tempo small

BVP110 LED42/NW S

Coreline tempo small, 4200 lm, 38 W, Neutral white, Symmetrical, 92° x 91°, Safety class I, Mounting bracket adjustable

CoreLine tempo small is a highly efficient range of luminaires designed for 1:1 retrofit replacement of conventional floodlighting technology, while retaining the same electrical installation and poles. This urban lighting range is designed for the direct replacement of 70-W HID lamps, but uses less energy and requires less investment than conventional installations. A narrow range of options makes it easy to find the best lux-for-lux replacement for your project lighting.

Product data

General Information

Lamp family code	LED42 [LED module 4200 lm]
Light source replaceable	No
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.
Light source engine type	LED
Lighting Technology	LED
Value ladder	Performance

CE mark	CE mark
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	–
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

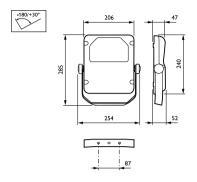|	
Upwards light output ratio	88
Luminous Flux	4,200 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	111 lm/W
Colour rendering index (CRI)	80

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Number of light sources	40
Light source colour	Neutral white
Optical cover type	Flat glass
Luminaire light beam spread	92° x 91°
Optic type outdoor	Symmetrical

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	0.06 ms
Power Consumption	38 W
Power Factor (Fraction)	0.98
Connection	External connector
Cable	Cable 0.5 m with cable connector
Number of products on MCB of 16 A type B	95

Temperature

Ambient temperature range	–40 to +35 °C

Controls and Dimming

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

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Acrylate
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Aluminium and grey
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	285 mm
Overall width	254 mm

Overall height	52 mm
Effective projected area	0.052 m²
Dimensions (height x width x depth)	52 x 254 x 285 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 10 kV differential mode and 10 kV common mode
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.374, 0.369) SDCM <5
Power consumption tolerance	+/–10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	7.5 %
Lumen maintenance at median useful life* 75000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BVP110 LED42/NW S
Full product name	BVP110 LED42/NW S
Full EOC	871016330636000
Order code	30636000
Material no. (12 NC)	911401555331
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8710163306360
Numerator – packs per outer box	1
EAN/UPC – Case	8710163306360

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Dimensional drawing