Coreline tempo X-Large

BVP140 LED420-4S 35K3/740 PSD OFA52 D9

Coreline tempo X-Large, Floodlight, 250 W, 35500 lm, 4000 K, CRI70, DALI, Asymmetrical, IP66

CoreLine tempo X-Large delivers on the CoreLine promise of innovative, easy to use and high-quality floodlighting. The CoreLine tempo X-Large offers lumen packages for many different application areas as well as a choice of high-performance asymmetrical and symmetrical optics. A direct replacement for 250W, 400W HID and SON-T lamps, thanks to a narrow range of options, it's easy to find the best lux-for-lux replacement. The installation is also made easy due to a U-shaped universal mounting bracket and the external quick 3-poles connector. It is an ideal solution for outdoor led flood lighting for industrial/commercial areas, parking lots, etc.

Product data

General Information

Lamp family code	LED420 [LED module 42000 lm]
Light source replaceable	Yes
Number of gear units	2 units
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BVP140 [CORELINE TEMPO X-LARGE]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes

Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Serviceability class	Class C, luminaire without serviceable parts, not serviceable

Light Technical

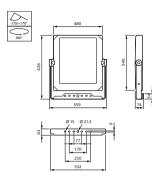|	
Upward light output ratio	0
Luminous Flux	35,500 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	103° – 8° x 57°
Optic type outdoor	Asymmetrical

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	250 W
Power Factor (Fraction)	0.99
Connection	Connection unit 5-pole
Cable	Cable 1.0 m with plug Wieland/Adels compatible 5-pole
Number of products on MCB of 16 A type B	4

Temperature

Ambient temperature range	–40 to +45 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	–
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	540 mm
Overall width	560 mm
Overall height	70 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	70 x 560 x 540 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 until 6 kV differential mode and 8 kV common mode
Sustainability rating	–
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) 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 75000 h	10 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 75000 h	L80
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C

Product Data

Order product name	BVP140 LED420-4S 35K3/740 PSD OFA52 D9
Full product name	BVP140 LED420-4S 35K3/740 PSD OFA52 D9
Full product code	871869987287800
Order code	912300024343
Material Nr. (12NC)	912300024343
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699872878
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699872878

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Dimensional drawing

www.lighting.philips.com

2024, March 15 – data subject to change