ClearFlood

BVP650 LED200-4S/740 PSU DX50 ALU

ClearFlood, LED module 20000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, Aluminum

ClearFlood is a range of floodlights that lets you choose the exact number of lumens you need for your application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics opens up new application possibilities for LEDs. ClearFlood is easy to install and perfect for replacing conventional light-points as it uses the same electrical installation and poles. Selecting the required light output is also straightforward.

Product data

General Information

Lamp family code	LED200 [LED module 20000 lm]
Light source replaceable	Yes
Number of gear units	2 units
Gear	EB [Electronic]
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically 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
Light source engine type	LED

Product family code	BVP650 [ClearFlood]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	17,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	4000 K		**Overall height**	95 mm
Luminous Efficacy (rated) (Nom)	138 lm/W		**Effective projected area**	0.26 m²
Color rendering index (CRI)	70		**Dimensions (Height x Width x Depth)**	95 x 580 x 562 mm
Number of light sources	82			
Light source color	740 neutral white			
Optical cover type	Flat glass		**Approval and Application**	
Luminaire light beam spread	130° x 97°		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Optic type outdoor	Distribution extra wide 50		**Mech. impact protection code**	IK09 [10 J]
			Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Operating and Electrical				differential mode and 8 kV common mode
Input Voltage	220-240 V		**Sustainability rating**	Lighting for circularity
Line Frequency	50 to 60 Hz		**Protection class IEC**	Safety class I
Inrush current	53 A		**Photobiological risk**	Photobiological risk group 1 @200mm to
Inrush time	0.3 ms			EN62778
Power Consumption	122 W			
Power Factor (Fraction)	0.98		**Initial Performance (IEC Compliant)**	
Connection	Connection unit 3-pole		**Luminous flux tolerance**	+/-7%
Cable	–		**Initial chromaticity**	(0.380, 0.390) SDCM <5
Number of products on MCB of 16 A type B	4		**Power consumption tolerance**	+/-10%
			Init. Color Rendering Index Tolerance	+/-2
Temperature				
Ambient temperature range	–40 to +50 °C		**Over Time Performance (IEC Compliant)**	
			Control gear failure rate at median useful life 100000 h	10 %
Controls and Dimming			**Lumen maintenance at median useful life* 100000 h**	L96
Dimmable	No			
Driver/power unit/transformer	Power supply unit (On/Off)			
Control interface	–		**Application Conditions**	
Constant light output	No		**Performance ambient temperature Tq**	25 °C
Mechanical and Housing			**Product Data**	
Housing Material	Aluminum die cast		**Order product name**	BVP650 LED200-4S/740 PSU DX50 ALU
Reflector material	–		**Full product name**	BVP650 LED200-4S/740 PSU DX50 ALU
Optic material	Acrylate		**Full product code**	871869909064700
Optical cover material	Glass		**Order code**	09064700
Fixation material	Steel		**Material Nr. (12NC)**	912300023542
Housing Color	Aluminum		**Numerator – Quantity Per Pack**	1
Mounting device	Mounting bracket adjustable		**EAN/UPC – Product/Case**	8718699090647
Optical cover shape	Flat		**Numerator – Packs per outer box**	1
Optical cover finish	Clear		**EAN/UPC – Case**	8718699090647
Overall length	562 mm			
Overall width	580 mm			

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Dimensional drawing