



ClearFlood

BVP650 LED120-4S/740 PSU OFA52 ALU

BVP650 | ClearFlood - LED120 | LED module 12000 lm - LED - Power supply unit (ON/OFF) - Optiflux asymmetrical axis angle 52°

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific 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 in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

Product data

General Information			
Lamp family code	LED120 [LED module 12000 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BVP650 [ClearFlood]
Number of gear units	1 unit	Lighting Technology	LED
Gear	EB [Electronic]	Value ladder	Specification
Driver included	Yes	CE mark	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	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	10,560 lumen
		Standard tilt angle posttop	0°

Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	151 lm/W
Color rendering index (CRI)	70
Number of light sources	64
Light source color	740 neutral white
Optical cover/lens type	Flat glass
Luminaire light beam spread	88° x 157°
Optic type outdoor	Optiflux asymmetrical axis angle 52°

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220–240 V
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	70 W
Power Factor (Fraction)	0.98
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	-40 to +50 °C
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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	Aluminum die cast
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	562 mm

Overall width	580 mm
Overall height	95 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	95 x 580 x 562 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Initial chromaticity	(0.380, 0.390) SDCM <5
Luminous flux tolerance	+/-7%
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data

Full product code	871869909045600
Order product name	BVP650 LED120-4S/740 PSU OFA52 ALU
Order code	912300023523
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300023523
Full product name	BVP650 LED120-4S/740 PSU OFA52 ALU
EAN/UPC - Case	8718699090456
EAN/UPC - Product/Case	8718699090456

Dimensional drawing

