



# ClearFlood

## BVP650 LED80-4S/740 PSU S ALU

ClearFlood, LED module 8000 lm, LED, Power supply unit (On/Off), Symmetrical, Aluminum

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	LED80 [LED module 8000 lm]	Product family code	BVP650 [ClearFlood]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Specification
Gear	EB [Electronic]	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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	Flammability mark	For mounting on normally flammable surfaces
Light source engine type	LED	ENEC mark	ENEC mark
Service tag	Yes	Glow-wire test	Temperature 960 °C, duration 5 s
		EU RoHS compliant	Yes
		Light Technical	
		Upward light output ratio	0
		Luminous Flux	7,200 lm
		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	48
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	72° x 22°
Optic type outdoor	Symmetrical

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	47 W
Power Factor (Fraction)	0.97
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 material	Glass
Fixation material	Steel
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover 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)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.390) 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 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

Order product name	BVP650 LED80-4S/740 PSU S ALU
Full product name	BVP650 LED80-4S/740 PSU S ALU
Full product code	871869909028900
Order code	912300023506
Material Nr. (12NC)	912300023506
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699090289
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699090289

Dimensional drawing

