



ClearFlood

BVP650 LED180-4S/740 PSU DX50 ALU

ClearFlood, LED module 18000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, 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	LED180 [LED module 18000 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	15,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 lm/W

Datasheet, 2024, January 17 data subject to change

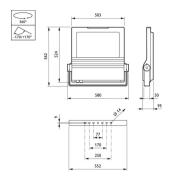
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Color rendering index (CRI)	70	
Number of light sources	82	
Light source color	740 neutral white	
Optical cover type	Flat glass	
Luminaire light beam spread	130° × 97°	
Optic type outdoor	Distribution extra wide 50	
Operating and Electrical		
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	
Inrush current	53 A	
Inrush time	0.3 ms	
Power Consumption	108 W	
Power Factor (Fraction)	0.98	
Connection	Connection unit 3-pole	
Cable	-	
Number of products on MCB of 16 A type	4	
В		
Temperature		
Ambient temperature range	-40 to +50 °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	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	10 %	
life 100000 h		
Lumen maintenance at median useful	L97	
life* 100000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Product Data		
Order product name	BVP650 LED180-4S/740 PSU DX50 ALU	
Full product name	BVP650 LED180-4S/740 PSU DX50 ALU	
Full product code	871869909063000	
Order code	912300023541	
Material Nr. (12NC)	912300023541	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699090630	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718699090630	

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Dimensional drawing





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