



ClearFlood

BVP650 LED200-4S/740 PSU DW10 ALU

ClearFlood, LED module 20000 lm, LED, Power supply unit (On/Off), Distribution wide 10, 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	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	17,500 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 lm/W

Datasheet, 2024, January 17 data subject to change

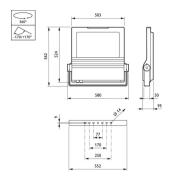
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Color rendering index (CRI)	70
Number of light sources	82
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	130° x 97°
Optic type outdoor	Distribution wide 10
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	122 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
	- No
Mechanical and Housing	No No
Mechanical and Housing Housing Material	No Aluminum die cast
Housing Material	
Housing Material Reflector material	Aluminum die cast
Housing Material Reflector material Optic material	Aluminum die cast - Acrylate
Housing Material Reflector material Optic material Optical cover material	Aluminum die cast - Acrylate Glass
Housing Material Reflector material Optic material Optical cover material Fixation material	Aluminum die cast - Acrylate Glass Steel
Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	Aluminum die cast - Acrylate Glass Steel Aluminum
Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	Aluminum die cast - Acrylate Glass Steel Aluminum Mounting bracket adjustable
Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape	Aluminum die cast - Acrylate Glass Steel Aluminum Mounting bracket adjustable Flat
Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	Aluminum die cast - Acrylate Glass Steel Aluminum Mounting bracket adjustable Flat Clear

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 Compli	ant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L96
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
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Dimensional drawing





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