



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	Tananavatura OCO °C duration F a	
Glow-wire test	Temperature 960 °C, duration 5 s	
EU RoHS compliant	Yes	
EU RoHS compliant		
EU RoHS compliant Light Technical	Yes	
EU RoHS compliant Light Technical Upward light output ratio	Yes 0	
EU RoHS compliant Light Technical Upward light output ratio Luminous Flux	Yes 0 17,000 lm	

Datasheet, 2023, April 25 data subject to change

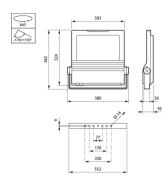
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Correlated Color Temperature (Nom)	4000 K	Overall height	95 mm
Luminous Efficacy (rated) (Nom)	138 lm/W	Effective projected area	0.26 m
Color rendering index (CRI)	70	Dimensions (Height x Width x Depth)	95 x 58
Number of light sources	82		
Light source color	740 neutral white	Approval and Application	
Optical cover type	Flat glass	Ingress protection code	IP66 [E
Luminaire light beam spread	130° x 97°	Mech. impact protection code	IK09 [1
Optic type outdoor	Distribution extra wide 50	Surge Protection (Common/Differential)	Lumina
			differer
Operating and Electrical		Sustainability rating	Lightin
Input Voltage	220-240 V	Protection class IEC	Safety
Line Frequency	50 to 60 Hz	Photobiological risk	Photob
Inrush current	53 A		EN627
Inrush time	0.3 ms		
Power Consumption	122 W	Initial Performance (IEC Compliant)	
Power Factor (Fraction)	0.98	Luminous flux tolerance	+/-7%
Connection	Connection unit 3-pole	Initial chromaticity	(0.380,
Cable	-	Power consumption tolerance	+/-10%
Number of products on MCB of 16 A type	4	Init. Color Rendering Index Tolerance	+/-2
В			
		Over Time Performance (IEC Complia	ant)
Temperature		Control gear failure rate at median useful	10 %
Ambient temperature range	-40 to +50 °C	life 100000 h	
		Lumen maintenance at median useful	L96
Controls and Dimming		life* 100000 h	
Dimmable	No		
Driver/power unit/transformer	Power supply unit (On/Off)	Application Conditions	
Control interface	-	Performance ambient temperature Tq	25 °C
Constant light output	No		
		Product Data	
Mechanical and Housing		Order product name	BVP65
Housing Material	Aluminum die cast	Full product name	BVP65
Reflector material	-	Full product code	871869
Optic material	Acrylate	Order code	09064
Optical cover material	Glass	Material Nr. (12NC)	912300
Fixation material	Steel	Numerator - Quantity Per Pack	1
Housing Color	Aluminum	EAN/UPC - Product/Case	871869
Mounting device	Mounting bracket adjustable	Numerator - Packs per outer box	1
Optical cover shape	Flat	EAN/UPC - Case	871869
Optical cover finish	Clear		
Overall length	562 mm		
Overall width	580 mm		
Overall width	300 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 Compli	iant)	
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 ℃	
Product Data		
Order product name	BVP650 LED200-4S/740 PSU DX50 ALU	
Full product name	BVP650 LED200-4S/740 PSU DX50 ALU	
Full product code	871869909064700	
Order code	09064700	
Material Nr. (12NC)	912300023542	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699090647	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718699090647	

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Dimensional drawing





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