



ClearFlood

BVP650 LED100-4S/740 PSU DX10 ALU

ClearFlood, LED module 10000 lm, LED, Power supply unit (On/Off), Distribution extra 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	LED100 [LED module 10000 lm]		
Light source replaceable	Yes		
Number of gear units	1 unit		
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	8,400 lm	
Standard tilt angle posttop	O°	
Standard tilt angle side entry	0°	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	147 lm/W	

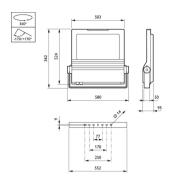
Datasheet, 2023, December 6 data subject to change

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Color rendering index (CRI)	70	Overall height	95 mm
Number of light sources	64	Effective projected area	0.26 m ²
Light source color	740 neutral white	Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Optical cover type	Flat glass		
Luminaire light beam spread	108° x 113°	Approval and Application	
Optic type outdoor	Distribution extra wide 10	Ingress protection code	IP66 [Dust penetration-protected, jet-proof
		Mech. impact protection code	IK09 [10 J]
Operating and Electrical		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Input Voltage	220-240 V		differential mode and 8 kV common mode
Line Frequency	50 to 60 Hz	Protection class IEC	Safety class I
Inrush current	53 A	Photobiological risk	Photobiological risk group 1 @200mm to
Inrush time	0.3 ms		EN62778
Power Consumption	57 W		
Power Factor (Fraction)	0.98	Initial Performance (IEC Compliant)	
Connection	Connection unit 3-pole	Luminous flux tolerance	+/-7%
Cable	-	Initial chromaticity	(0.380, 0.390) SDCM <5
Number of products on MCB of 16 A type	8	Power consumption tolerance	+/-10%
В		Init. Color Rendering Index Tolerance	+/-2
Temperature		Over Time Performance (IEC Comp	liant)
Ambient temperature range	-40 to +50 °C	Control gear failure rate at median useful	10 %
		life 100000 h	
Controls and Dimming		Lumen maintenance at median useful	L97
Dimmable	No	life* 100000 h	
Driver/power unit/transformer	Power supply unit (On/Off)	<u> </u>	
Control interface	-	Application Conditions	
Constant light output	No	Performance ambient temperature Tq	25 ℃
Mechanical and Housing		Product Data	
Housing Material	Aluminum die cast	Order product name	BVP650 LED100-4S/740 PSU DX10 ALU
Reflector material	-	Full product name	BVP650 LED100-4S/740 PSU DX10 ALU
Optic material	Acrylate	Full product code	871869909089000
Optical cover material	Glass	Order code	912300023567
Fixation material	Steel	Material Nr. (12NC)	912300023567
Housing Color	Aluminum	Numerator - Quantity Per Pack	1
Mounting device	Mounting bracket adjustable	EAN/UPC - Product/Case	8718699090890
Optical cover shape	Flat	Numerator - Packs per outer box	1
Optical cover finish	Clear	EAN/UPC - Case	8718699090890
Overall length	562 mm		
Overall width	580 mm		

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Dimensional drawing





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