



ClearFlood

BVP650 LED160-4S/740 PSU DW10 ALU

ClearFlood, LED module 16000 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	LED160 [LED module 16000 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	14,080 lm	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	O°	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	148 lm/W	

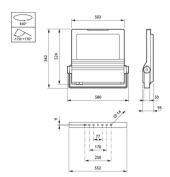
Datasheet, 2023, December 6 data subject to change

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Color rendering index (CRI)	70	Overall height	95 mm
Number of light sources	82	Effective projected area	0.26 m²
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	140° x 70°	Approval and Application	
Optic type outdoor	Distribution 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	95 W		
Power Factor (Fraction)	0.97	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	4	Power consumption tolerance	+/-10%
В		Init. Color Rendering Index Tolerance	+/-2
Temperature		Over Time Performance (IEC Compl	iant)
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 life	* L97
Dimmable	No	100000 h	
Driver/power unit/transformer	Power supply unit (On/Off)		
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 LED160-4S/740 PSU DW10 ALU
Reflector material	-	Full product name	BVP650 LED160-4S/740 PSU DW10 ALU
Optic material	Acrylate	Full product code	871869909077700
Optical cover material	Glass	Order code	912300023555
Fixation material	Steel	Material Nr. (12NC)	912300023555
Housing Color	Aluminum	Numerator - Quantity Per Pack	1
Mounting device	Mounting bracket adjustable	EAN/UPC - Product/Case	8718699090777
Optical cover shape	Flat	Numerator - Packs per outer box	1
Optical cover finish	Clear	EAN/UPC - Case	8718699090777
Overall length	562 mm		
Overall width	580 mm		

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Dimensional drawing





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