



ClearFlood

BVP650 LED160-4S/740 PSU DM10 ALU

ClearFlood, LED module 16000 lm, LED, Power supply unit (On/Off), Distribution medium 10, 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	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		
	Temperature 960 °C, duration 5 s		
Glow-wire test	Temperature 960 °C, duration 5 s		
Glow-wire test EU RoHS compliant	Temperature 960 °C, duration 5 s		
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EU RoHS compliant	<u> </u>		
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 13,920 lm		

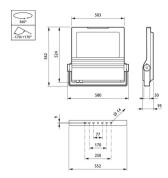
Datasheet, 2023, April 30 data subject to change

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Correlated Color Temperature (Nom)	4000 K	Overall width	580 mm
Luminous Efficacy (rated) (Nom)	147 lm/W	Overall height	95 mm
Color rendering index (CRI)	70	Effective projected area	0.26 m²
Number of light sources	82	Dimensions (Height x Width x Depth)	95 x 580 x 562 mm
Light source color	740 neutral white		
Optical cover type	Flat glass	Approval and Application	
Luminaire light beam spread	140° x 70°	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optic type outdoor	Distribution medium 10	Mech. impact protection code	IK09 [10 J]
		Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Operating and Electrical			differential mode and 8 kV common mode
Input Voltage	220-240 V	Protection class IEC	Safety class I
Line Frequency	50 to 60 Hz	Photobiological risk	Photobiological risk group 1 @200mm to
Inrush current	53 A		EN62778
Inrush time	0.3 ms		
Power Consumption	95 W	Initial Performance (IEC Compliant)	
Power Factor (Fraction)	0.97	Luminous flux tolerance	+/-7%
Connection	Connection unit 3-pole	Initial chromaticity	(0.380, 0.390) SDCM <5
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 Compli	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 life*	L97
Controls and Dimming		100000 h	
Dimmable	No		
Driver/power unit/transformer	Power supply unit (On/Off)	Application Conditions	
Control interface	-	Performance ambient temperature Tq	25 ℃
Constant light output	No		
		Product Data	
Mechanical and Housing		Order product name	BVP650 LED160-4S/740 PSU DM10 ALU
Housing Material	Aluminum die cast	Full product name	BVP650 LED160-4S/740 PSU DM10 ALU
Reflector material	-	Full product code	871869909107100
Optic material	Acrylate	Order code	09107100
Optical cover material	Glass	Material Nr. (12NC)	912300023585
Fixation material	Steel	Numerator - Quantity Per Pack	1
Housing Color	Aluminum	EAN/UPC - Product/Case	8718699091071
Mounting device	Mounting bracket adjustable	Numerator - Packs per outer box	1
Optical cover shape	Flat	EAN/UPC - Case	8718699091071
Optical cover finish	Clear		
Overall length	562 mm		

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Dimensional drawing





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