



ClearFlood

BVP650 LED160-4S/740 PSU DX50 ALU

ClearFlood, LED module 16000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, 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	13,500 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

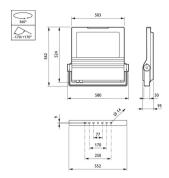
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Color rendering index (CRI)	70	Effe
Number of light sources	82	Dim
Light source color	740 neutral white	
Optical cover type	Flat glass	App
Luminaire light beam spread	140° x 70°	Ingr
Optic type outdoor	Distribution extra wide 50	Med
		Surg
Operating and Electrical		
Input Voltage	220-240 V	Sust
Line Frequency	50 to 60 Hz	Prot
Inrush current	53 A	Pho
Inrush time	0.3 ms	
Power Consumption	95 W	
Power Factor (Fraction)	0.97	Init
Connection	Connection unit 3-pole	Lum
Cable	-	Initi
Number of products on MCB of 16 A type	4	Pov
В		Init
Temperature		Ove
Ambient temperature range	-40 to +50 °C	Con
		life
Controls and Dimming		Lun
Dimmable	No	life
Driver/power unit/transformer	Power supply unit (On/Off)	
Control interface	-	Ар
Constant light output	No	Per
Mechanical and Housing		Pro
Housing Material	Aluminum die cast	Ord
Reflector material	-	Full
Optic material	Acrylate	Full
Optical cover material	Glass	Ord
Fixation material	Steel	Ma
Housing Color	Aluminum	Nur
Mounting device	Mounting bracket adjustable	EAI
Optical cover shape	Flat	Nur
Optical cover finish	Clear	EAI
Overall length	562 mm	
Overall width	580 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	L97
life* 100000 h	
Application Conditions	
- · · · · · · · ·	
Performance ambient temperature Tq	25 °C
Performance ambient temperature 1q	25 ℃
Product Data	25 °C
	25 °C BVP650 LED160-4S/740 PSU DX50 ALU
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Product Data Order product name Full product name Full product code Order code	BVP650 LED160-4S/740 PSU DX50 ALU BVP650 LED160-4S/740 PSU DX50 ALU 871869909062300 912300023540
Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	BVP650 LED160-4S/740 PSU DX50 ALU BVP650 LED160-4S/740 PSU DX50 ALU 871869909062300 912300023540 912300023540
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Dimensional drawing





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