PHILIPS Lighting



ClearFlood

BVP650 LED360-4S/740 DX60 ALU PSU

ClearFlood, LED module 36000 lm, LED, Power supply unit (On/Off), Distribution extra wide 60, 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	LED360 [LED module 36000 lm]
Light source replaceable	Yes
Number of gear units	2 units
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

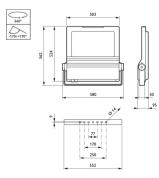
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	32,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white

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Optical cover type	Flat glass	Dimensions (Heigh
Luminaire light beam spread	8° - 26° x 82°	
Optic type outdoor	Distribution extra wide 60	Approval and A
		Ingress protection
Operating and Electrical		Mech. impact prot
Input Voltage	220-240 V	Surge Protection (
Line Frequency	50 to 60 Hz	
Inrush current	53 A	Sustainability ratir
Inrush time	0.3 ms	Protection class IE
Power Consumption	220 W	
Power Factor (Fraction)	0.99	Initial Performa
Connection	Connection unit 3-pole	Luminous flux tole
Cable	-	Initial chromaticity
Number of products on MCB of 16 A	type 4	Power consumption
В		Init. Color Renderi
Temperature		Over Time Perfo
Ambient temperature range	-40 to +50 °C	Control gear failur
		life 100000 h
Controls and Dimming		Lumen maintenan
Dimmable	No	life* 100000 h
Driver/power unit/transformer	Power supply unit (On/Off)	
Constant light output	No	Application Cor
		Performance ambi
Mechanical and Housing		
Housing Material	Aluminum die cast	Product Data
Reflector material	-	Order product nam
Optic material	Acrylate	Full product name
Optical cover material	Glass	Full product code
Fixation material	Steel	Order code
Housing Color	Aluminum	Material Nr. (12NC
Mounting device	Mounting bracket adjustable	Numerator - Quan
Optical cover shape	Flat	EAN/UPC - Produc
Optical cover finish	Clear	Numerator - Packs
Overall length	529 mm	EAN/UPC - Case
Overall width	580 mm	
Overall height	95 mm	
Effective projected area	0.26 m ²	

Dimensions (Height x Width x Depth)	95 x 580 x 529 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
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	-
Over Time Performance (IEC Complia	ant)
Control gear failure rate at median useful	-
Control gear failure rate at median useful life 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	-
Control gear failure rate at median useful life 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	10 % L95
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data	10 % L95 25 ℃
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name	10 % L95 25 °C BVP650 LED360-4S/740 DX60 ALU PSU
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name	10 % L95 25 °C BVP650 LED360-45/740 DX60 ALU PSU BVP650 LED360-45/740 DX60 ALU PSU
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code	10 % L95 25 °C BVP650 LED360-4S/740 DX60 ALU PSU BVP650 LED360-4S/740 DX60 ALU PSU 871869945110300
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code	10 % L95 25 °C BVP650 LED360-4S/740 DX60 ALU PSU BVP650 LED360-4S/740 DX60 ALU PSU 871869945110300 912300023994
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	10 % L95 25 °C BVP650 LED360-45/740 DX60 ALU PSU BVP650 LED360-45/740 DX60 ALU PSU 871869945110300 912300023994 912300023994
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	10 % L95 25 °C BVP650 LED360-45/740 DX60 ALU PSU BVP650 LED360-45/740 DX60 ALU PSU 871869945110300 912300023994 912300023994 1
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	10 % L95 25 °C BVP650 LED360-4S/740 DX60 ALU PSU BVP650 LED360-4S/740 DX60 ALU PSU 871869945110300 912300023994 912300023994

Dimensional drawing



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