PHILIPS Lighting



ClearFlood

BVP650 LED440-4S/740 OFA52 ALU PSU

ClearFlood, LED module 44000 lm, LED, Power supply unit (On/Off), Optiflux asymmetrical axis angle 52°, 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	LED440 [LED module 44000 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

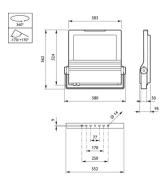
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	37,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	132 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass

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Luminaire light beam spread	39° - 11° x 98°
Optic type outdoor	Optiflux asymmetrical axis angle 52°
Operating and Electrical	
nput Voltage	220-240 V
ine Frequency	50 to 60 Hz
nrush current	53 A
nrush time	0.3 ms
Power Consumption	280 W
Power Factor (Fraction)	0.99
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type	4
3	
Femperature	
mbient temperature range	-40 to +50 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	529 mm
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
Control gear failure rate at median useful life 100000 h	10 %
life 100000 h	
	194
	L94
life* 100000 h	L94
life* 100000 h	L94
life* 100000 h	L94 25 °C
life* 100000 h Application Conditions	
life* 100000 h Application Conditions Performance ambient temperature Tq	
life* 100000 h Application Conditions Performance ambient temperature Tq Product Data	25 °C
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Dimensional drawing



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