PHILIPS Lighting



ClearFlood

BVP650 LED420-4S/740 OFA52 ALU PSU

ClearFlood, LED module 42000 lm, LED, Power supply unit (On/Off), Optiflux asymmetrical axis angle 52°, Aluminium

The Philips ClearFlood is a dedicated LED floodlight delivering economical white light solutions for recreational sports and area applications. Designed around state-of-the-art LEDs and high-efficiency optics, this very competitive solution offers energy savings compared to traditional HID solutions. ClearFlood is easy to install and perfect for replacing conventional light points as it uses the same electrical installation, columns and types of fixation.

Product data

General Information	
Lamp family code	LED420 [LED module 42000 lm]
Light source replaceable	Yes
Number of gear units	2 units
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the 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

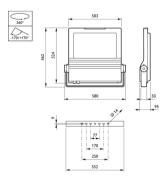
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upwards light output ratio	0
Luminous Flux	35,000 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	133 lm/W
Colour rendering index (CRI)	70
Light source colour	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	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
nrush current	53 A
Inrush time	0.3 ms
Power Consumption	265 W
Power Factor (Fraction)	0.99
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	4
Temperature	
Ambient 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	Aluminium die cast
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Aluminium
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	529 mm
Overall width	580 mm
Overall height	95 mm

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]
	Luminaire surge protection level up to 6 kV
Surge Protection (Common/Differentia	differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Protection class IEC	Salety 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 Comp	liant)
Over Time Performance (IEC Comp	10 %
Control gear failure rate at median	10 %
useful life 100,000 h	195
Lumen maintenance at median useful	195
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
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Product Data	
Order product name	BVP650 LED420-4S/740 OFA52 ALU PSU
Full product name	BVP650 LED420-4S/740 OFA52 ALU PSU
Full EOC	871869912889000
Order code	12889000
Material no. (12 NC)	912300023948
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699128890
	1
Numerator – packs per outer box	1

Dimensional drawing



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www.lighting.philips.com 2023, December 5 - data subject to change