



ClearFlood

BVP650 LED440-4S/740 S ALU PSU

ClearFlood, LED module 44000 lm, LED, Power supply unit (On/Off), Symmetrical, 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	LED440 [LED module 44000 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	37,840 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	135 lm/W
Colour rendering index (CRI)	70

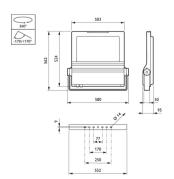
Datasheet, 2023, December 5 data subject to change

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Light source colour	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	70° x 21°
Optic type outdoor	Symmetrical
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush 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
В	
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	562 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 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 up to 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 Compl	iant)
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful	L94
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Product Data	
Order product name	BVP650 LED440-4S/740 S ALU PSU
Full product name	BVP650 LED440-4S/740 S ALU PSU
Full EOC	871869912895100
Order code	12895100
Material no. (12 NC)	912300023954
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699128951
Numerator – packs per outer box	1
EAN/UPC - Case	8718699128951

Dimensional drawing



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