



ClearFlood

BVP650 LED440-4S/740 DW10 ALU PSU

ClearFlood, LED module 44000 lm, LED, Power supply unit (On/Off), Distribution wide 10, 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

Lamp family code Light source replaceable Yes Number of gear units 2 units Driver included Yes *- 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
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useful life (DEO) value also represents the D1
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	37,000 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	132 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Optical cover type	Flat glass

Datasheet, 2023, December 5 data subject to change

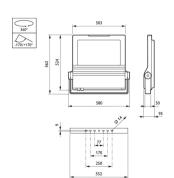
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Luminaire light beam spread	52° - 7° x 151°
Optic type outdoor	Distribution wide 10
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	280 W
Power Factor (Fraction)	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	529 mm
Overall width	580 mm
Overall height	95 mm
Effective projected area	0.26 m²
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Dimensions (height x width x depth)	95 x 580 x 529 mm
Approval and Application	
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 Comp	liant)
Control gear failure rate at median usefu	I 10 %
	. 10 /0
life 100,000 h	
	L94
life 100,000 h	
life 100,000 h Lumen maintenance at median useful life* 100,000 h	
life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions	L94
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life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	L94 25 °C BVP650 LED440-4S/740 DW10 ALU PSU BVP650 LED440-4S/740 DW10 ALU PSU 871869912900200 12900200 912300023959
life 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	L94 25 °C BVP650 LED440-4S/740 DW10 ALU PSU BVP650 LED440-4S/740 DW10 ALU PSU 871869912900200 12900200 912300023959 1

data subject to change

Dimensional drawing



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