



ClearFlood

BVP650 LED440-4S/740 DX60 ALU PSU

ClearFlood - LED module 44000 lm - LED - Power supply unit - Distribution extra-wide 60 - Grey

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		Optic type outdoor	Distribution extra-wide 60
Lamp family code	LED440 [LED module 44000 lm]	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 colour	740 neutral white	Constant light output	No
Light source replaceable	Yes	Number of products on MCB (16 A type B)	4
Number of gear units	2 units	EU RoHS compliant	Yes
Driver/power unit/transformer	PSU [Power supply unit]	LED engine type	LED
Driver included	Yes	Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED
Optical cover/lens type	FG [Flat glass]		
Luminaire light beam spread	8° - 26° x 82°		
Connection	Connection unit 3-pole		
Cable	-		
Protection class IEC	Safety class I		
Flammability mark	F [For mounting on normally flammable surfaces]		
CE mark	CE mark		
ENEC mark	ENEC mark		
Warranty period	5 years		

	board, driver, control units, surge-protection device, optics, front cover and mechanical parts
Product family code	BVP650 [ClearFlood]

Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input Voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.99

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Mounting device	MBA [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
Colour	Grey
Dimensions (height x width x depth)	95 x 580 x 562 mm (3.7 x 22.8 x 22.1 in)

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
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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

Initial Performance (IEC Compliant)

Initial luminous flux	39160 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	70
Initial chromaticity	(0.380, 0.390) SDCM <5
Initial input power	280 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L95

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C

Product Data

Full product code	871869945114100
Order product name	BVP650 LED440-4S/740 DX60 ALU PSU
EAN/UPC – product	8718699451141
Order code	45114100
Numerator – quantity per pack	1
SAP numerator – packs per outer box	1
Material no. (12 NC)	912300023998
SAP net weight (piece)	14.700 kg



Dimensional drawing



ClearFlood BVP650/651

