



# ClearFlood

## BVP650 LED420-4S/740 DX50 ALU PSU

ClearFlood, LED module 42000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, 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		Value ladder	Specification
Lamp family code	LED420 [LED module 42000 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	2 units	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	ENEC mark	ENEC mark
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	EU RoHS compliant	Yes
Light source engine type	LED	Light Technical	
Product family code	BVP650 [ClearFlood]	Upwards light output ratio	0
Lighting Technology	LED	Luminous Flux	34,020 lm
		Standard tilt angle post-top	0°
		Standard tilt angle side entry	0°
		Correlated Colour Temperature	4000 K
		Luminous efficacy (rated) (nom.)	128 lm/W
		Colour rendering index (CRI)	70
		Light source colour	740 neutral white
		Optical cover type	Flat glass

Luminaire light beam spread	17° - 5° x 132°
Optic type outdoor	Distribution extra wide 50

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	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
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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 m²

Dimensions (height x width x depth)	95 x 580 x 562 mm
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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 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

Performance ambient temperature Tq	25 °C
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Product Data

Order product name	BVP650 LED420-4S/740 DX50 ALU PSU
Full product name	BVP650 LED420-4S/740 DX50 ALU PSU
Full EOC	871869912890600
Order code	12890600
Material no. (12 NC)	912300023949
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699128906
Numerator – packs per outer box	1
EAN/UPC - Case	8718699128906

Dimensional drawing



