# **PHILIPS** Lighting



# ClearFlood

## BVP650 LED420-4S/740 DX60 ALU PSU

ClearFlood, LED module 42000 lm, LED, Power supply unit (On/Off), Distribution extra-wide 60, 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	36,960 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	139 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white

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Optical cover type	Flat glass	Dimensions (height x width x depth)
Luminaire light beam spread	8° - 26° x 82°	
Optic type outdoor	Distribution extra-wide 60	Approval and Application
		Ingress protection code
Operating and Electrical		Mech. impact protection code
Input Voltage	220-240 V	Surge Protection (Common/Differenti
Line Frequency	50 to 60 Hz	
Inrush current	53 A	Sustainability rating
Inrush time	0.3 ms	Protection class IEC
Power Consumption	265 W	
Power Factor (Fraction)	0.99	Initial Performance (IEC Complia
Connection	Connection unit 3-pole	Luminous flux tolerance
Cable	-	Initial chromaticity
Number of products on MCB of 16 A type	4	Power consumption tolerance
В		Init. Color Rendering Index Tolerance
Temperature		Over Time Performance (IEC Co
Ambient temperature range	-40 to +50 ℃	Control gear failure rate at median us
		life 100,000 h
Controls and Dimming		Lumen maintenance at median useful
Dimmable	No	life* 100,000 h
Driver/power unit/transformer	Power supply unit (On/Off)	
Constant light output	No	Application Conditions
		Performance ambient temperature To
Mechanical and Housing		
Housing material	Aluminium die cast	Product Data
Reflector material	-	Order product name
Optic material	Acrylate	Full product name
Optical cover/lens material	Glass	Full EOC
Fixation material	Steel	Order code
Housing Colour	Aluminium	Material no. (12 NC)
Mounting device	Mounting bracket adjustable	SAP numerator - quantity per pack
Optical cover/lens shape	Flat	EAN/UPC — Product/Case
Optical cover/lens finish	Clear	Numerator – packs per outer box
Overall length	562 mm	EAN/UPC - Case
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
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 $\ensuremath{kV}$
	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	L95
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Product Data	
Order product name	BVP650 LED420-4S/740 DX60 ALU PSU
Full product name	BVP650 LED420-4S/740 DX60 ALU PSU
Full EOC	871869945113400
Order code	45113400
Material no. (12 NC)	912300023997

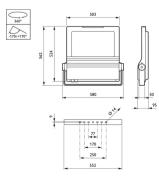
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#### Dimensional drawing



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