



# ClearFlood

## BVP650 LED420-4S/740 OFA52 ALU PSU

ClearFlood - LED module 42000 lm - LED - Power supply unit - Optiflux asymmetrical axis angle 52° - 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	
Lamp family code	LED420 [ LED module 42000 lm]
Light source colour	740 neutral white
Light source replaceable	Yes
Number of gear units	2 units
Driver/power unit/transformer	PSU [ Power supply unit]
Driver included	Yes
Optical cover/lens type	FG [ Flat glass]
Luminaire light beam spread	39° - 11° x 98°
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

Optic type outdoor	Optiflux asymmetrical axis angle 52°
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
Constant light output	No
Number of products on MCB (16 A type B)	4
EU RoHS compliant	Yes
LED engine type	LED
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board.

# ClearFlood

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

## Light Technical

<b>Upward light output ratio</b>	0
<b>Standard tilt angle post-top</b>	0°
<b>Standard tilt angle side entry</b>	0°

## Operating and Electrical

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

## Controls and Dimming

<b>Dimmable</b>	No
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## Mechanical and Housing

<b>Housing material</b>	Aluminium die-cast
<b>Reflector material</b>	-
<b>Optic material</b>	Acrylate
<b>Optical cover/lens material</b>	Glass
<b>Fixation material</b>	Steel
<b>Mounting device</b>	MBA [ Mounting bracket adjustable]
<b>Optical cover/lens shape</b>	Flat
<b>Optical cover/lens finish</b>	Clear
<b>Overall length</b>	562 mm
<b>Overall width</b>	580 mm
<b>Overall height</b>	95 mm
<b>Effective projected area</b>	0.26 m <sup>2</sup>
<b>Colour</b>	Grey
<b>Dimensions (height x width x depth)</b>	95 x 580 x 562 mm (3.7 x 22.8 x 22.1 in)

## Approval and Application

<b>Ingress protection code</b>	IP66 [ Dust penetration-protected, jet-proof]
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<b>Mech. impact protection code</b>	IK09 [ 10 J]
<b>Surge protection (common/differential)</b>	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode

## Initial Performance (IEC Compliant)

<b>Initial luminous flux</b>	35700 lm
<b>Luminous flux tolerance</b>	+/-7%
<b>Initial LED luminaire efficacy</b>	135 lm/W
<b>Init. Corr. Colour Temperature</b>	4000 K
<b>Init. Colour rendering index</b>	70
<b>Initial chromaticity</b>	(0.380, 0.390) SDCM <5
<b>Initial input power</b>	265 W
<b>Power consumption tolerance</b>	+/-11%

## Over Time Performance (IEC Compliant)

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

## Application Conditions

<b>Ambient temperature range</b>	-40 to +50 °C
<b>Performance ambient temperature Tq</b>	25 °C

## Product Data

<b>Full product code</b>	871869912889000
<b>Order product name</b>	BVP650 LED420-4S/740 OFA52 ALU PSU
<b>EAN/UPC – product</b>	8718699128890
<b>Order code</b>	12889000
<b>Numerator – quantity per pack</b>	1
<b>SAP numerator – packs per outer box</b>	1
<b>Material no. (12 NC)</b>	912300023948
<b>SAP net weight (piece)</b>	14.700 kg

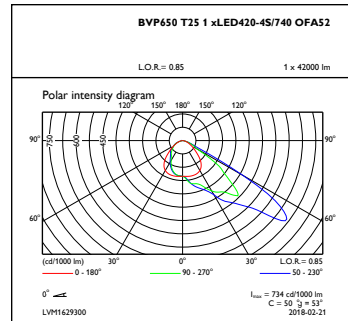
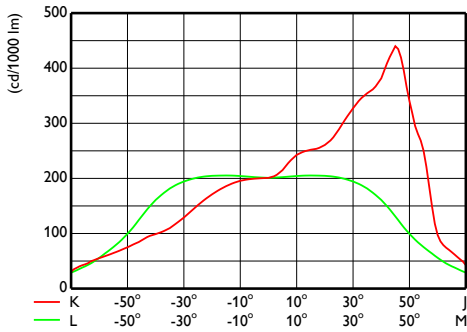


## Dimensional drawing



ClearFlood BVP650/651

Photometric data



OFCS1\_BVP650T251xLED420-4S740OFA52

OFPC1\_BVP650T251xLED420-4S740OFA52

