



ClearFlood – LED solution for Sports and Area lighting

ClearFlood

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.

Benefits

- Slim LED design giving unobtrusive profile and simple installation
- Constant Light Output option for added energy savings

Features

- Variable lumen packages in one body size
- Instant light, long lifetime, no maintenance
- High LED and optical efficiency
- 100% Philips components

Application

- Small-scale recreational sports facilities
- Industrial areas
- Parking areas
- Building facades
- Billboards

Specifications

ClearFlood

Type	BVP650
Light source	Integral LED-module
Power (+/-10%)	50-240 W depending on product
Luminous flux	6,000-27,000 lm
Luminaire efficacy	up to 108 lm/W
Correlated Colour	4000 K
Temperature	
Colour Rendering Index	75
Maintenance of lumen output - L80F10	50,000 hours
Operating temperature range	-30 to +40 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz

Inrush current	108 A / 140 µs
Options	Constant light output
Optic	Symmetrical or asymmetrical Road 1, Road 2, Road 3
Optical cover	Glass, flat
Material	Housing: die-cast aluminum Cover: glass
Colour	Grey aluminium (RAL9007)
Connection	Cable with 3 wires
Maintenance	From below by opening the housing with a single quick-release clip
Installation	Stirrup fixation Max adjustment from the horizontal: -170 to +170° Max vertical aiming: 0 to +360°

Versions



BVP650 - LED EconomyLine

Product details



Product details



OPDP_BVP650i_0011-Detail photo

ClearFlood-BVP650-DP.tif



Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode

Controls and Dimming

Dimmable	No
----------	----

General Information

CE mark	CE mark
Light source colour	740 neutral white
Optical cover/lens type	FG
Driver included	Yes
Flammability mark	F
Light source replaceable	Yes
Number of gear units	2 units
Product Family Code	BVP650

Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	70

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Operating and Electrical

Order Code	Full Product Name	Driver current
912300023511	BVP650 LED180-4S/740 PSU S ALU	490 mA
912300023572	BVP650 LED200-4S/740 PSU DX10 ALU	555 mA
912300023958	BVP650 LED440-4S/740 DX10 ALU PSU	-

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Gear	Glow-wire test	Lamp family code
912300023511	BVP650 LED180-4S/740 PSU S ALU	130° x 97°	EB	960/5	LED180
912300023572	BVP650 LED200-4S/740 PSU DX10 ALU	130° x 97°	EB	960/5	LED200

Order Code	Full Product Name	Luminaire light beam spread	Gear	Glow-wire test	Lamp family code
912300023958	BVP650 LED440-4S/740 DX10 ALU PSU	20° - 4° x 150°	-	-	LED440

General Information (2/2)

Order Code	Full Product Name	Lamp version	Number of light sources	Optic type	UL mark
912300023511	BVP650 LED180-4S/740 PSU S ALU	4S	82 pcs	Symmetrical	No
912300023572	BVP650 LED200-4S/740 PSU DX10 ALU	4S	82 pcs	Distribution extra-wide 10	No

Order Code	Full Product Name	Lamp version	Number of light sources	Optic type	UL mark
912300023958	BVP650 LED440-4S/740 DX10 ALU PSU	-	-	Distribution extra-wide 10	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
912300023511	BVP650 LED180-4S/740 PSU S ALU	15840 lm
912300023572	BVP650 LED200-4S/740 PSU DX10 ALU	16600 lm

Order Code	Full Product Name	Initial luminous flux
912300023958	BVP650 LED440-4S/740 DX10 ALU PSU	35640 lm

Mechanical and Housing

Order Code	Full Product Name	Colour
912300023511	BVP650 LED180-4S/740 PSU S ALU	Aluminium
912300023572	BVP650 LED200-4S/740 PSU DX10 ALU	Aluminium

Order Code	Full Product Name	Colour
912300023958	BVP650 LED440-4S/740 DX10 ALU PSU	Grey

