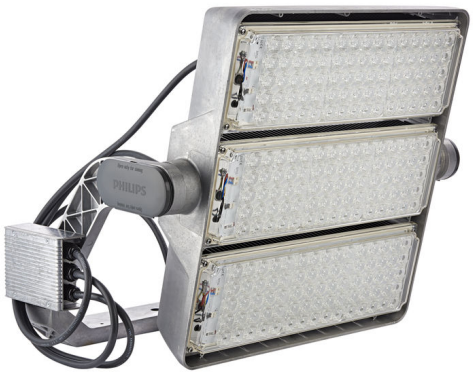

OptiVision LED gen2

BVP525 1860/757 230V BV DX50 D9 T25 100

OptiVision LED gen2, LED High Brightness, 757 cool white, 230 V, Asymmetrical wide beam

The Philips OptiVision LED gen2 floodlighting system provides a complete lighting solution for the simplest through to the most complex area and recreational sports lighting applications. The high-efficiency floodlights come with three or two LED light modules, which function with an external driver box – separate for use at a distance from the floodlight (BV), or pre-fixed onto the mounting bracket of the floodlight (HGB) for ease of installation and lower initial cost. They meet the highest performance standards, provide outstanding light quality, and ensure safety and visual comfort. OptiVision LED gen2 offers new possibilities to reduce energy consumption and increase flexibility (instant start, programmable lighting levels) when used in conjunction with Philips' advanced system controls and sensors. The floodlights are also compatible with other external control systems via DALI protocol.

Product data

General Information	
Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
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 engine type	LED
Product family code	BVP525 [OptiVision LED gen2]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

OptiVision LED gen2

EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	186,000 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	≥70
Light source color	757 cool white
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	90° x 136°
Optic type outdoor	Asymmetrical wide beam

Operating and Electrical

Input Voltage	230 V
Line Frequency	50 Hz
Inrush current	30 A
Inrush time	16 ms
Power Consumption	1,314 W
Power Factor (Fraction)	0.95
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	-

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface external
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	750 mm
Overall width	616 mm
Overall height	450 mm
Effective projected area	0.23 m²
Dimensions (Height x Width x Depth)	450 x 616 x 750 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 10 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.321, 0.335) 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 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BVP525 1860/757 230V BV DX50 D9 T25 100
Full product name	BVP525 1860/757 230V BV DX50 D9 T25 100
Full product code	871869911609500
Order code	11609500
Material Nr. (12NC)	912300023822
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699116095
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699116095

OptiVision LED gen2

Dimensional drawing