



OptiVision LED gen2

BVP515 1200/740 230V BV DX50 D9 T25 100

OptiVision LED gen2, LED High Brightness, 740 neutral 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	BVP515 [OptiVision LED gen2]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

Datasheet, 2023, April 30 data subject to change

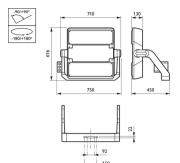
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EU RoHS compliant	Yes
Light Tachnical	
Light Technical	
Upward light output ratio	0
Luminous Flux	120,000 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	109 lm/W
Color rendering index (CRI)	≥70
Light source color	740 neutral 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	878 W
Power Factor (Fraction)	0.95
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	-
В	
Temperature	
Ambient temperature range	-40 to +50 °C
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Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	external
Control interface	DALI
Constant light output	No.
Constant agent output	
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	0.18 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	(0.367, 0.358) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compl	iant)
Over Time Performance (IEC Compl Control gear failure rate at median useful	•
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Control gear failure rate at median useful	•
Control gear failure rate at median useful life 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	10 %
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Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h	10 %
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	10 % L80
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	10 % L80
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Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	10 % L80 25 °C 10% BVP515 1200/740 230V BV DX50 D9 T25 100
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	10 % L80 25 °C 10% BVP515 1200/740 230V BV DX50 D9 T25 100 BVP515 1200/740 230V BV DX50 D9 T25 100
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product code	10 % L80 25 °C 10% BVP515 1200/740 230V BV DX50 D9 T25 100 BVP515 1200/740 230V BV DX50 D9 T25 100 871869911615600
Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	10 % L80 25 °C 10% BVP515 1200/740 230V BV DX50 D9 T25 100 BVP515 1200/740 230V BV DX50 D9 T25 100 871869911615600 11615600
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Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	10 % L80 25 °C 10% BVP515 1200/740 230V BV DX50 D9 T25 100 BVP515 1200/740 230V BV DX50 D9 T25 100 871869911615600 912300023828 1 8718699116156

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Dimensional drawing





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