



OptiVision LED gen2

BVP525 1800/740 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	BVP525 [OptiVision LED gen2]	
Lighting Technology	LED	
Value ladder	Specification	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC mark	

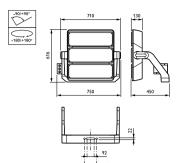
Datasheet, 2023, April 30 data subject to change

OptiVision LED gen2

EU RoHS compliant	Yes	Optical cover shape	Flat
		Optical cover finish	Clear
Light Technical		Overall length	750 mm
Upward light output ratio	0	Overall width	616 mm
Luminous Flux	180,000 lm	Overall height	450 mm
Standard tilt angle posttop	-	Effective projected area	0.23 m²
Standard tilt angle side entry	-	Dimensions (Height x Width x Depth)	450 x 616 x 750 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	109 lm/W	Approval and Application	
Color rendering index (CRI)	≥70	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Light source color	740 neutral white	Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Polycarbonate bowl/cover	Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
Luminaire light beam spread	90° x 136°		differential mode and 10 kV common mode
Optic type outdoor	Asymmetrical wide beam	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)
Input Voltage	230 V	Luminous flux tolerance	+/-7%
Line Frequency	50 Hz	Initial chromaticity	(0.367, 0.358) SDCM <5
Inrush current	30 A	Power consumption tolerance	+/-10%
Inrush time	16 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	1,314 W		
Power Factor (Fraction)	0.95	Over Time Performance (IEC Comp	liant)
Connection	Push-in connector and pull relief	Control gear failure rate at median usefu	1 10 %
Cable	-	life 100000 h	
Number of products on MCB of 16 A type	-	Lumen maintenance at median useful	L80
В		life* 100000 h	
Temperature		Application Conditions	
Ambient temperature range	-40 to +50 °C	Performance ambient temperature Tq	25 °C
		Maximum dim level	10%
Controls and Dimming			
Dimmable	Yes	Product Data	
Driver/power unit/transformer	Power supply unit with DALI interface	Order product name	BVP525 1800/740 230V BV DX50 D9 T25
	external		100
Control interface	DALI	Full product name	BVP525 1800/740 230V BV DX50 D9 T25
Constant light output	No		100
		Full product code	871869911611800
Mechanical and Housing		Order code	11611800
Housing Material	Aluminum	Material Nr. (12NC)	912300023824
Reflector material	Polycarbonate	Numerator - Quantity Per Pack	1
Optic material	Polycarbonate	EAN/UPC - Product/Case	8718699116118
Optical cover material	Polycarbonate	Numerator - Packs per outer box	1
Fixation material	Aluminum	EAN/UPC - Case	8718699116118
Housing Color	Aluminum		
Mounting device	Mounting bracket adjustable		

OptiVision LED gen2

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.