



OptiVision LED gen2

BVP525 1940/740 380-400 BV ANB D9 T20 LO

OptiVision LED gen2, LED High Brightness, 740 neutral white, 380/400 V, Asymmetrical narrow 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	
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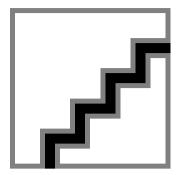
Datasheet, 2023, September 4 data subject to change

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	152,000 lm	Overall height	600 mm
Standard tilt angle posttop	-	Effective projected area	0.39 m²
Standard tilt angle side entry	-	Dimensions (Height x Width x Depth)	600 x 616 x 750 mm
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	103 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	10° - 5° x 75°		differential mode and 10 kV common mode
Optic type outdoor	Asymmetrical narrow beam	Protection class IEC	Safety class I
Operating and Electrical		Initial Performance (IEC Compliant)
Input Voltage	380/400 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	0.016 ms	Init. Color Rendering Index Tolerance	+/-2
Power Consumption	1,471 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 useful 5%	
Connection	Push-in connector and pull relief	Control gear faiture rate at median useru	L 3 /6
Cable		life 50000 h	L 3 /8
	-	_	L80
Cable	-	life 50000 h	
Cable Number of products on MCB of 16 A type	-	life 50000 h Lumen maintenance at median useful	
Cable Number of products on MCB of 16 A type	-	life 50000 h Lumen maintenance at median useful	
Cable Number of products on MCB of 16 A typ B	-	life 50000 h Lumen maintenance at median useful life* 50000 h	
Cable Number of products on MCB of 16 A typ B Temperature	e -	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L80
Cable Number of products on MCB of 16 A typ B Temperature	e -	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Cable Number of products on MCB of 16 A typ B Temperature Ambient temperature range	e -	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	- e - -40 to +50 °C	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L80 25 °C
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	-40 to +50 °C	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	L80 25 °C 10%
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	- e - -40 to +50 °C Yes Power supply unit with DALI interface	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	-40 to +50 °C Yes Power supply unit with DALI interface external	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 LO
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit with DALI interface external DALI	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C Yes Power supply unit with DALI interface external DALI	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 LO
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	-40 to +50 °C Yes Power supply unit with DALI interface external DALI	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 LO BVP525 1940/740 380-400 BV ANB D9 T20 LO 871869948179700
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	- 40 to +50 °C Yes Power supply unit with DALI interface external DALI No	life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 LO BVP525 1940/740 380-400 BV ANB D9 T20 LO 871869948179700 912300024106
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	- 40 to +50 °C Yes Power supply unit with DALI interface external DALI No Aluminum	life 50000 h Lumen maintenance at median useful life* 50000 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)	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 L0 871869948179700 912300024106 912300024106
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material		life 50000 h Lumen maintenance at median useful life* 50000 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	25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 LO BVP525 1940/740 380-400 BV ANB D9 T20 LO 871869948179700 912300024106 912300024106 1
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	- 40 to +50 °C Yes Power supply unit with DALI interface external DALI No Aluminum Polycarbonate Polycarbonate	life 50000 h Lumen maintenance at median useful life* 50000 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 EAN/UPC - Product/Case	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 L0 871869948179700 912300024106 912300024106 1 8718699481797
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	-40 to +50 °C Yes Power supply unit with DALI interface external DALI No Aluminum Polycarbonate Polycarbonate Polycarbonate	life 50000 h Lumen maintenance at median useful life* 50000 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 EAN/UPC - Product/Case Numerator - Packs per outer box	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 L0 871869948179700 912300024106 912300024106 1 8718699481797 1
Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	- 40 to +50 °C Yes Power supply unit with DALI interface external DALI No Aluminum Polycarbonate Polycarbonate Polycarbonate Aluminum	life 50000 h Lumen maintenance at median useful life* 50000 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 EAN/UPC - Product/Case Numerator - Packs per outer box	L80 25 °C 10% BVP525 1940/740 380-400 BV ANB D9 T20 L0 BVP525 1940/740 380-400 BV ANB D9 T20 L0 871869948179700 912300024106 912300024106 1 8718699481797 1

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Dimensional drawing





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