



OptiVision LED gen3

BVP527 2120/740 BV A35-NB D9 T20 LO

OPTIVISION LED GEN3 LARGE, LED module 212000 lm, 740 neutral white, 230 to 400 V, Asymmetrical

The Philips OptiVision LED gen3 floodlighting system provides a complete lighting solution for the simplest through to the most complex area and recreational sports lighting applications. The high-efficiency floodlight comes with a single piece die cast housing, hosting 2 and 3 LED engines respectively, which also 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. It meets the highest performance standards, provides outstanding light, quality, uniformity and ensures safety and visual comfort. OptiVision LED offers new possibilities to reduce energy consumption and increase flexibility (instant start, programmable lighting levels) when used in conjunction with Interact Sports lighting management system, dedicatedly designed for recreational and training facilities. The floodlight is also compatible with other external control systems through DALI.

Product data

General Information		Flammability mark	
Lamp family code	LED2120 [LED module 212000 lm]		For mounting on normally flammable surfaces
Light source replaceable	Yes	ENEC mark	ENEC mark
Number of gear units	1 unit	EU RoHS compliant	Yes
Driver included	Yes	Light Technical	
Light source engine type	LED	Upward light output ratio	0
Service tag	Yes	Luminous Flux	111,000 lm
Product family code	BVP527 [OPTIVISION LED GEN3 LARGE]	Standard tilt angle posttop	0°
Lighting Technology	LED	Standard tilt angle side entry	-
CE mark	Yes	Correlated Color Temperature (Nom)	4000 K
Warranty period	3 years		

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Luminous Efficacy (rated) (Nom)	70 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	38° - 21° × 96°
Optic type outdoor	Asymmetrical

Operating and Electrical

Input Voltage	230 to 400 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.160 ms
Power Consumption	1,580 W
Power Factor (Fraction)	0.95
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	-

Temperature

Ambient temperature range	-40 to +45 °C
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Controls and Dimming

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

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
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	441 mm
Overall width	695 mm
Overall height	695 mm

Overall diameter	737 mm
Effective projected area	0.512 m ²
Dimensions (Height x Width x Depth)	695 x 695 x 441 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)	Surge protection level until 10 kV differential 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 Compliant)

Control gear failure rate at median useful life 50000 h	10 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

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

Product Data

Order product name	BVP527 2120/740 BV A35-NB D9 T20 LO
Full product name	BVP527 2120/740 BV A35-NB D9 T20 LO
Full product code	871869987275500
Order code	912300024331
Material Nr. (12NC)	912300024331
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699872755
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699872755

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Dimensional drawing

