



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 prefixed 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	
Lamp family code	LED2120 [LED module 212000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BVP527 [OPTIVISION LED GEN3 LARGE]
Lighting Technology	LED
CE mark	Yes
Warranty period	3 years

Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	111,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K

Datasheet, 2023, April 30 data subject to change

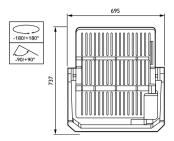
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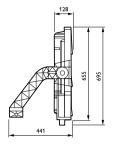
Luminous Efficacy (rated) (Nom)	70 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	38° - 21° × 96°
Optic type outdoor	Asymmetrical
Operating and Electrical	
Input Voltage	230 to 400 V
Line Frequency	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 ℃
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Driver/power unit/transformer Control interface	Power supply unit with DALI interface
	Power supply unit with DALI interface DALI No
Control interface	DALI
Control interface	DALI
Control interface Constant light output Mechanical and Housing	DALI
Control interface Constant light output	DALI No
Control interface Constant light output Mechanical and Housing Housing Material Reflector material	DALI No
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	DALI No Aluminum
Control interface Constant light output Mechanical and Housing Housing Material	DALI No Aluminum Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	DALI No Aluminum - Polycarbonate Polycarbonate
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear
Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish Overall length	DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear 441 mm

Overall diameter	737 mm
Effective projected area	0.512 m²
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	IKO8 [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 Complia	nt)
Control gear failure rate at median useful	10 %
life 50000 h	
Lumen maintenance at median useful life *	L80
50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
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	87275500
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







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