



OptiVision LED gen3

BVP527 2120/740 HGB A35-WB D9 T25 50K

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
Remarks	* At higher ambient temperatures (greater
	than the luminaire ambient selected) the
	luminaire might automatically dim down to
	protect components
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	163,000 lm

Datasheet, 2023, September 4 data subject to change

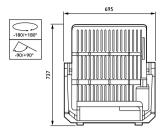
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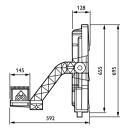
Standard tilt angle posttop	O°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	103 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	50° - 16° × 116°
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	-
- .	
	-40 to +50 °C
	-40 to +50 °C
Ambient temperature range	-40 to +50 °C
Ambient temperature range Controls and Dimming	-40 to +50 °C
Ambient temperature range Controls and Dimming Dimmable	Yes
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Yes
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface DALI No
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface DALI No
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Yes Power supply unit with DALI interface DALI No Aluminum
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	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate
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	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate
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 Housing Color	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum
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 Housing Color Mounting device Optical cover shape	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Aluminum
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 Housing Color Mounting device Optical cover shape	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Aluminum Mounting bracket adjustable
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 Housing Color Mounting device	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Aluminum Mounting bracket adjustable Flat
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 Housing Color Mounting device Optical cover shape Optical cover finish Overall length	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optical cover material Fixation material Housing Color Mounting device Optical cover shape Optical cover finish	Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Polycarbonate Aluminum Aluminum Mounting bracket adjustable Flat Clear 592 mm

Overall diameter	737 mm
Effective projected area	0.512 m²
Dimensions (Height x Width x Depth)	695 x 695 x 592 mm
Dimensions (Height & Width & Departy	033 X 033 X 332 Hilli
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-
ingress protection code	proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential
ouige recession (common, 2 mereman)	mode
Protection class IEC	Safety class I
1 Total Class Inc	Surety 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	unt)
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 HGB A35-WB D9 T25
	50K
Full product name	BVP527 2120/740 HGB A35-WB D9 T25
	50K
Full product code	871869986746100
Order code	912300024301
Material Nr. (12NC)	912300024301
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699867461
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699867461

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Dimensional drawing







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