



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

OptiVision LED gen3

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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

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|--|------------------------|
| 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

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|---------------------------|---------------|
| Ambient temperature range | -40 to +45 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

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|------------------------|-----------------------------|
| 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 |

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|-------------------------------------|--------------------|
| 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

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| 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)

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|---------------------------------------|-----------------------|
| 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)

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

Application Conditions

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

Product Data

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|---------------------------------|-------------------------------------|
| 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

