



ArenaVision LED gen3

BVP427 1800/957 PSU 230-400V HGB S2 T25

ARENAVISION LED GEN3 LARGE, LED module 180000 lm, 957 cool white, Power supply unit (On/Off), Symmetrical

The Philips ArenaVision LED floodlighting system is an innovative LED pitch-lighting solution supporting the latest TV broadcasting standards. Designed exclusively for sports and multi-purpose venues, ArenaVision LED offers outstanding light quality, effective thermal management, and long lifetime. When combined with control applications such as the Interact Sports lighting management system, ArenaVision LED can simplify the delivery of the right illumination by scheduling or through real-time adjustments and can be used to create customized light shows before, during and after the main event. To ensure optimized use for both indoor and outdoor applications, the floodlight range includes two single piece pressure die cast housing versions, hosting 2 and 3 LED engines respectively. These versions also function with an external driver box — separate for use at a distance from the floodlight (BV version), or pre-fixed onto the mounting bracket of the floodlight (HGB version). This external driver box ensures ease of installation and lower initial cost.

Product data

| General Information | |
|--------------------------|---|
| Lamp family code | LED1800 [LED module 180000 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 | BVP427 [ARENAVISION 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 |

Datasheet, 2023, April 30 data subject to change

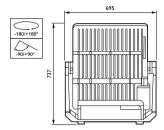
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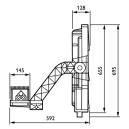
| Luminous Flux | 138,246 lm |
|--|--------------------------------|
| | |
| Standard tilt angle posttop | 0° |
| Standard tilt angle side entry | - |
| Correlated Color Temperature (Nom) | 5700 K |
| Luminous Efficacy (rated) (Nom) | 88 lm/W |
| Color rendering index (CRI) | >85 |
| Light source color | 957 cool white |
| Optical cover type | Polycarbonate bowl/cover clear |
| Luminaire light beam spread | 12° |
| Optic type outdoor | Symmetrical |
| | |
| 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 | 1 |
| | |
| Temperature | |
| Ambient temperature range | -40 to +50 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| 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 | 592 mm |
| Overall width | 695 mm |
| | |

| Overall height | 695 mm |
|--|---|
| Overall diameter | 737 mm |
| Effective projected area | 0.512 m² |
| Dimensions (Height x Width x Depth) | 695 x 695 x 592 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 | (0.321, 0.335) 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 °C |
| | |
| Product Data | |
| Order product name | BVP427 1800/957 PSU 230-400V HGB S2 |
| | T25 |
| Full product name | BVP427 1800/957 PSU 230-400V HGB S2 |
| | T25 |
| Full product code | 871869986726300 |
| Order code | 86726300 |
| Material Nr. (12NC) | 912300024280 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699867263 |
| | |
| Numerator - Packs per outer box | 1 |

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Dimensional drawing







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