# ArenaVision LED gen2

## BVP425 1610/957 PSDMX 230V BV S2 T25

ArenaVision LED gen2, 957 cool white

The Philips ArenaVision LED gen2 floodlighting system is an innovative LED pitch-lighting solution that supports the latest TV broadcasting standards and features a control platform. Designed exclusively for sports and multifunctional lighting applications, ArenaVision LED gen2 luminaires offer outstanding light quality, effective thermal management, and long lifetime. The floodlight range includes versions with three and two LED light modules, which 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) for ease of installation and lower initial cost.

## Product data

### General Information

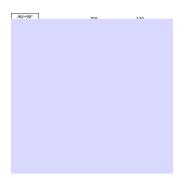| | |
|---|---|
| Lamp family code | LED-HB [LED High Brightness] |
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Remarks | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED |

| | |
|---|---|
| Product family code | BVP425 [ArenaVision LED gen2] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 3 years |
| Flammability mark | – |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |

### Light Technical

| | |
|---|---|
| Upward light output ratio | 0 |
| Luminous Flux | 161,000 lm |
| Standard tilt angle posttop | – |
| Standard tilt angle side entry | – |
| Correlated Color Temperature (Nom) | 5700 K |
| Luminous Efficacy (rated) (Nom) | 84 lm/W |

data subject to change

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| | |
|---|---|
| Color rendering index (CRI) | ≥90 |
| Light source color | 957 cool white |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 6° x 6° |
| Optic type outdoor | Beam category S2 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 230 V |
| Line Frequency | 50 Hz |
| Inrush current | 30 A |
| Inrush time | 16 ms |
| Power Consumption | 1,471 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Push-in connector and pull relief |
| Cable | – |
| Number of products on MCB of 16 A type B | 2 |

## Temperature

| | |
|---|---|
| Ambient temperature range | –40 to +50 °C |

## Controls and Dimming

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

## Mechanical and Housing

| | |
|---|---|
| Housing Material | Aluminum |
| Reflector material | Polycarbonate |
| 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 | 750 mm |
| Overall width | 616 mm |

| | |
|---|---|
| Overall height | 450 mm |
| Effective projected area | 0.350 m² |
| Dimensions (Height x Width x Depth) | 450 x 616 x 750 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) | Luminaire surge protection level until 6 kV differential mode and 10 kV common 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 Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

## Application Conditions

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

## Product Data

| | |
|---|---|
| Order product name | BVP425 1610/957 PSDMX 230V BV S2 T25 |
| Full product name | BVP425 1610/957 PSDMX 230V BV S2 T25 |
| Full product code | 871869911597500 |
| Order code | 912300023810 |
| Material Nr. (12NC) | 912300023810 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8718699115975 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8718699115975 |

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**Dimensional drawing**