# DecoScene LED BBP623

## BBP623 34xLED-HB/RGB I MB GF GR DMX RMR

DecoScene LED Accent, 34, LED High Brightness, Medium beam, Glass frosted, Dynamic DMX, Recessed mounting box round

Whether floodlighting a piece of architecture or creating accent effects, for many designers the ideal luminaire would be invisible. With their recessed housings, in-ground floodlights are about as close as it gets to this ideal situation. DecoScene LED has been designed to deliver the optimal upward lighting effect – from high powered floodlighting to more subtle effects such as accent lighting. Its unique collimating optic delivers a uniform light output and ensures optimum colour mixing. Square and round housings fit snugly into paving, concrete or grass, leaving the surface flush and unobtrusive during the day. The combination of the latest LED technology and best-in-class optics makes DecoScene LED a totally flexible solution – easy to install, no matter where, creating a perfect lighting effect.

## Product data

### General Information

| | |
|---|---|
| Lamp family code | LED-HB [LED High Brightness] |
| Light source replaceable | Yes |
| Number of gear units | Unit |
| Driver included | Yes |
| Remarks | *– According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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 | BBP623 [DecoScene LED Accent] |
| Lighting Technology | LED |
| Value ladder | Performance |
| Embedded control | Dynamic DMX |

# DecoScene LED BBP623

| | |
|---|---|
| CE mark | Yes |
| Warranty period | 3 years |
| Flammability mark | – |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

## Light Technical

| | |
|---|---|
| Upwards light output ratio | 0.03 |
| Luminous Flux | 2,300 lm |
| Standard tilt angle post-top | – |
| Standard tilt angle side entry | – |
| Correlated Colour Temperature | – |
| Luminous efficacy (rated) (nom.) | 47.3 lm/W |
| Colour rendering index (CRI) | – |
| Number of light sources | 34 |
| Light source colour | Red, green and blue |
| Optical cover type | Glass frosted |
| Luminaire light beam spread | 24° |
| Optic type outdoor | Medium beam |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 100 to 277 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 35 A |
| Inrush time | 0.35 ms |
| Power Consumption | 48.6 W |
| Power Factor (Fraction) | 0.8 |
| Connection | – |
| Cable | Cable 3.0 m without plug |
| Number of products on MCB of 16 A type B | 32 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | Dynamix DMX |
| Constant light output | No |

## Mechanical and Housing

| | |
|---|---|
| Housing material | Aluminium |
| Reflector material | – |
| Optic material | Polycarbonate |
| Optical cover/lens material | Tempered glass |

| | |
|---|---|
| Fixation material | Steel |
| Housing Colour | Grey |
| Mounting device | Recessed mounting box round |
| Optical cover/lens shape | Convex lens |
| Optical cover/lens finish | Frosted |
| Overall height | 382 mm |
| Overall diameter | 350 mm |
| Effective projected area | 0 m² |

## Approval and Application

| | |
|---|---|
| Ingress protection code | IP67 [Dust penetration-protected, watertight] |
| Mech. impact protection code | IK10 [20 J vandal-resistant] |
| Surge Protection (Common/Differential) | Luminaire surge protection level up to 4 kV differential mode and 4 kV common mode |
| Protection class IEC | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-7% |
| Initial chromaticity | (0.465, 0.630) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Init. Color Rendering Index Tolerance | +/-2 |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 100,000 h | L80 |

## Application Conditions

| | |
|---|---|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 0% (digital) |

## Product Data

| | |
|---|---|
| Order product name | BBP623 34xLED-HB/RGB I MB GF GR DMX RMR |
| Full product name | BBP623 34xLED-HB/RGB I MB GF GR DMX RMR |
| Full EOC | 871829141919800 |
| Order code | 41919800 |
| Material no. (12 NC) | 910403951612 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718291419198 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718291419198 |

# DecoScene LED BBP623

**Dimensional drawing**



260

35

381

281

Ø 350