



# DecoScene LED BBP621

## BBP621 15xLED-HB/RGB I MB GF GR DMX RMR

DecoScene LED Accent - 15 pcs - 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 color 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, and creating a perfect lighting effect.

### Product data

| General Information           |                                      | Luminaire light beam spread |   |
|-------------------------------|--------------------------------------|-----------------------------|---|
| Number of light sources       | 15 [ 15 pcs]                         | Luminaire light beam spread | 24°                                       |
| Lamp family code              | LED-HB [ LED High Brightness]        | Embedded control            | DMX [ Dynamic DMX]                        |
| Lamp version                  | 2S [ 2nd generation, screw fixation] | Control interface           | Dynamix DMX                               |
| Light source colour           | Red, green and blue                  | Connection                  | No [ -]                                   |
| Light source replaceable      | Yes                                  | Cable                       | Cable 3.0 m without plug (C3K)            |
| Number of gear units          | 1 unit                               | Protection class IEC        | Safety class I (I)                        |
| Driver/power unit/transformer | PSU [ Power supply unit]             | Luminaire shape             | Round version - to be replaced by RND     |
| Driver included               | Yes                                  | Coating                     | -   |
| Optical cover/lens type       | GF [ Glass frosted]                  | Glow-wire test              | 650/5 [ Temperature 650 °C, duration 5 s] |
|                               |                                      | Flammability mark           | NO [ -]                                   |

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|                               |  |
|-------------------------------|--|
| CE mark                       | CE mark  |
| ENEC mark                     | ENEC mark  |
| Green flagship mark           | Green Flagship   |
| Lifetime to 70% luminous flux | 50000 h  |
| Warranty period               | 3 years  |
| Mechanical accessories        | No [-]   |
| Decorative accessories        | No [-]   |
| Outdoor optic type            | Medium beam  |
| 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 |
| Constant light output         | No   |
| Number of products on MCB     | 32   |
| LED engine type               | LED  |
| Product Family Code           | BBP621 [ DecoScene LED Accent]   |

## Light Technical

|                                |      |
|--------------------------------|------|
| Upward light output ratio      | 0.03 |
| Standard tilt angle post-top   | -    |
| Standard tilt angle side entry | -    |

## Operating and Electrical

|                     |              |
|---------------------|--------------|
| Input voltage       | 100 to 277 V |
| Input frequency     | 50 to 60 Hz  |
| Inrush current      | 35 A         |
| Inrush time         | 0.35 ms      |
| Power factor (min.) | 0.8          |

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Mechanical and Housing

|                             |                                    |
|-----------------------------|------------------------------------|
| Housing material            | Aluminum                           |
| Reflector material          | -                                  |
| Optic material              | Polycarbonate                      |
| Optical cover/lens material | Tempered glass                     |
| Fixation material           | Steel                              |
| Mounting device             | RMR [ Recessed mounting box round] |
| Optical cover/lens shape    | Convex lens                        |
| Optical cover/lens finish   | Frosted                            |

|                                     |  |
|-------------------------------------|--|
| Overall height                      | 430 mm                                   |
| Overall diameter                    | 200 mm                                   |
| Effective projected area            | 0 m²                                     |
| Colour                              | Gray                                     |
| Dimensions (height x width x depth) | 430 x NaN x NaN mm (16.9 x NaN x NaN in) |

## 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 |

## Initial Performance (IEC Compliant)

|                                |                        |
|--------------------------------|------------------------|
| Initial luminous flux          | 1329 lm                |
| Luminous flux tolerance        | +/-7%                  |
| Initial LED luminaire efficacy | 53.4 lm/W              |
| Init. Corr. colour temperature | - K                    |
| Init. colour rendering index   | 80                     |
| Initial chromaticity           | (0.465, 0.630) SDCM <3 |
| Initial input power            | 24.9 W                 |
| Power consumption tolerance    | +/-10%                 |

## 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

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | -40 to +50 °C |
| Performance ambient temperature Tq | 25 °C         |
| Maximum dimming level              | 0% (digital)  |

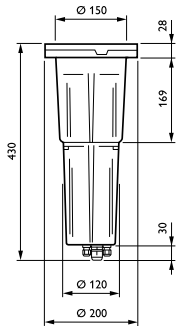
## Product Data

|                                 |   |
|---------------------------------|---|
| Full product code               | 871829141891700                         |
| Order product name              | BBP621 15xLED-HB/RGB I MB GF GR DMX RMR |
| EAN/UPC – product               | 8718291418917                           |
| Order code                      | 41891700                                |
| Numerator – quantity per pack   | 1                                       |
| Numerator – packs per outer box | 1                                       |
| Material no. (12NC)             | 910403948812                            |
| Net weight (piece)              | 7.500 kg                                |



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## Dimensional drawing



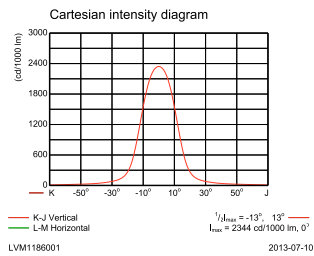
DecoScene LED Accent BBP621/623

## Photometric data

BBP621 GF 15xLED-HB/RGB MB

L.O.R.=0.56

15 x 69 mm



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