

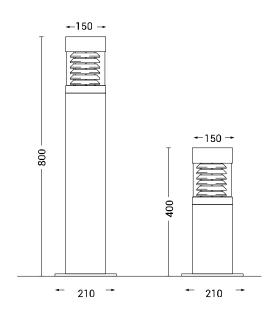
## **BOLLARDS**











## **PRODUCT DATA**

| General Information        |  |  |
|----------------------------|--|--|
| Number of light source     | 32 pcs   |  |
| LED module                 | Mid Power LED's on alu-PCB                     |  |
| Light distribution         | Diffuser PMMA                                  |  |
| Light source colour        | 3000K-4000K                                    |  |
| Number of gear unit        | 1 unit   |  |
| Driver / power unit        | PS (Constant current)                          |  |
| Driver included            | Yes  |  |
| Optical cover / lens type  | Diffuser                                       |  |
| Control interface          | On/Off   |  |
| Connection                 | -  |  |
| Cable                      | 3x1,5 mm <sup>2</sup>                          |  |
| Protection class IEC       | Safety class II                                |  |
| CE mark                    | CE mark  |  |
| ENEC mark                  | -  |  |
| Warranty period            | 3 years  |  |
| Optic type                 | Symmetric                                      |  |
| EU RoHS compliant          | Yes  |  |
| Light source engine type   | LED  |  |
| LDT / IES photometric file | N/A  |  |
| Life span                  | Estimated average 50.000 hours                 |  |
| MacAdams                   | CCT tolerance within a 3 step MacAdams ellipse |  |
| Product code               | 60-67-23-X (XX: Lens angle, X: Led colour)     |  |
|                            |  |  |
| Operating and Electrical   |  |  |
| Input Voltage              | 90-264 V AC                                    |  |
| Input frequency            | 50 to 60 Hz                                    |  |
| Inrush current             | 105 mA   |  |
| Power factor (min.)        | 0.92   |  |
|                            |  |  |
| Control and Dimming        |  |  |
| Dimmable(optional)         | 1-10V - DALI                                   |  |
| DMX                        |  |  |

| Housing material                       | Aluminium                                 |
|--|---|
| Gasket                                 | Silicone                                  |
| Optic material                         | PMMA                                      |
| Optical cover / lens material          | Plexiglass (5mm)                          |
| Fixation material                      | Stainless steel                           |
| Mounting device                        | -   |
| Effective projected area               | 0,12m <sup>2</sup> - 0,06m <sup>2</sup>   |
| Colour                                 | Black                                     |
| Dimensions (height x width x depth)    | 800(400) x 150 x 150 mm                   |
|  |   |
| Approval and Application               |   |
| Ingress protection code                | IP66                                      |
| Mech. impact protection code           | IK08                                      |
| Surge protection (common/differential) | 6 KV/4KV (optional)                       |
|  |   |
| Initial Performance (IEC Complian      |   |
| Module luminous flux                   | 2602 lm (4000K) / 2421 lm (3000K)         |
| Luminaire luminous flux                | 2323 lm (4000K) / 2162 lm (3000K)         |
| LED luminaire efficiency               | 101 lm (4000K) / 94 lm (3000K)            |
| Colour Temperature                     | 4000K / 3000K                             |
|  | 6500K also available up on request.       |
| Colour rendering index                 | ≥70                                       |
| Rated LED power                        | 21W                                       |
| Rated luminare power                   | 23W                                       |
| Application Conditions                 |   |
| ··                                     | -25°C to +55°C                            |
| Ambient temperature range              | -25 C t0 +55 C                            |
| Maximum dimming level                  | -   |
| Net weight (piece)                     | Variable                                  |
| Fixture Run Length                     | To calculate fixture run lenghts and t    |
| <u>-</u>                               | nstallation, please ask to company assist |

