

## Start eco Bollard L-Shape M IP65

START eco Bollard L-Shape M IP65 620lm 830 BLK

0047951



### PRODUCT OVERVIEW

|                                 |  |
|---------------------------------|--|
| Product name                    | START eco Bollard L-Shape M IP65 620lm 830 BLK |
| Technology                      | LED  |
| Cap/Base                        | N/A  |
| Housing                         | Aluminium                                      |
| Warranty                        | 3 years  |
| Fixture luminous flux (lm)      | 620  |
| Luminaire efficacy (lm/W)       | 78   |
| Colour temperature (K)          | 3000   |
| Colour Code                     | 830  |
| Light colour                    | Warm White                                     |
| CRI (Ra)                        | 80   |
| Colour Variation Initial (SDCM) | SDCM6  |
| Photobiological Risk Group      | RG1  |
| Total power consumption (W)     | 8  |
| Electrical protection           | Class I  |
| LED Flickering Rate             | Low (6% - 20%)                                 |
| Housing colour                  | RAL 9005 - Jet black                           |
| IP rating                       | IP65   |
| IK rating                       | IK05   |
| Product EAN number              | 5410288479514                                  |

### DATA TABLE

#### General data

|              |  |
|--------------|--|
| Product name | START eco Bollard L-Shape M IP65 620lm 830 BLK |
| Technology   | LED  |

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|   |               |
|---|---------------|
| Cap/Base                                | N/A           |
| Housing                                 | Aluminium     |
| Operating temperature range (°C)        | -20°C...+45°C |
| Performance ambient temperature Tq (°C) | 25            |
| Warranty                                | 3 years       |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 620        |
| Luminaire efficacy (lm/W)       | 78         |
| Colour temperature (K)          | 3000       |
| Colour Code                     | 830        |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM6      |
| Photobiological Risk Group      | RG1        |

### Electrical data

|  |                |
|--|----------------|
| Total power consumption (W)                              | 8              |
| Current (A)  | 0.064          |
| Primary Supply/Product voltage - min (V)                 | 220            |
| Lamp power factor  | 0.57           |
| Electrical protection                                    | Class I        |
| Drive current (mA)                                       | 60             |
| Inrush Current (A)                                       | 10             |
| Inrush Duration (µs)                                     | 250            |
| Glow Wire Test (°C)                                      | 850            |
| Energy Efficiency Class (A->G) of contained light source | F              |
| Nominal Frequency (Hz)                                   | 50/60Hz        |
| LED Flickering Rate                                      | Low (6% - 20%) |
| Max. products per 10A C Breaker                          | 60             |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 30000 |
|------------------|-------|

### Physical data

|                             |                      |
|-----------------------------|----------------------|
| Housing colour              | RAL 9005 - Jet black |
| IP rating                   | IP65                 |
| IK rating                   | IK05                 |
| Diffuser finish             | Transparent          |
| Diffuser material           | Glass                |
| Nominal Product Length (mm) | 90                   |
| Nominal Product Width (mm)  | 160                  |
| Weight (kg)                 | 1.52                 |

### Packaging

|                       |               |
|-----------------------|---------------|
| Single packaging type | Carton        |
| Product EAN number    | 5410288479514 |

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|                                      |                |
|--------------------------------------|----------------|
| Packaging single width (cm)          | 19.5           |
| Packaging single depth (cm)          | 12.5           |
| DUN14 (outer)                        | 15410288479511 |
| Packaging outer length / height (cm) | 21.5           |

### Safety data

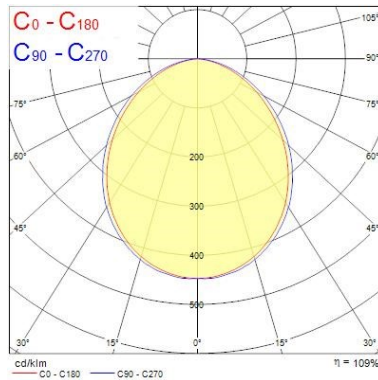
|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -20-45 |
|----------------------------------|--------|

## PHOTOMETRY

|     |              |                                       |
|-----|--------------|---------------------------------------|
| 0.5 | 1.22<br>1.13 | E(0°) 1113<br>E(C90) 142<br>E(C0) 163 |
| 1.0 | 2.44<br>2.25 | E(0°) 278<br>E(C90) 36<br>E(C0) 41    |
| 1.5 | 3.67<br>3.38 | E(0°) 124<br>E(C90) 18<br>E(C0) 19    |
| 2.0 | 4.89<br>4.51 | E(0°) 70<br>E(C90) 9<br>E(C0) 12      |
| 2.5 | 6.11<br>5.63 | E(0°) 46<br>E(C90) 7<br>E(C0) 7       |
| 3.0 | 7.33<br>6.76 | E(0°) 31<br>E(C90) 4<br>E(C0) 5       |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 96.8°)  
— C90 - C270 (Half beam angle: 101.4°)



## TECHNICAL DRAWINGS

