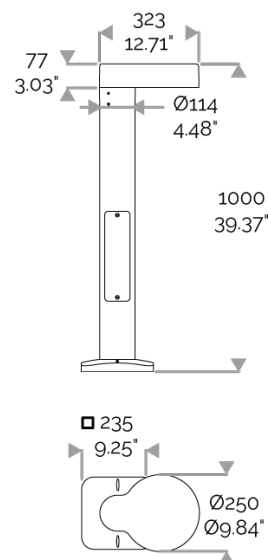
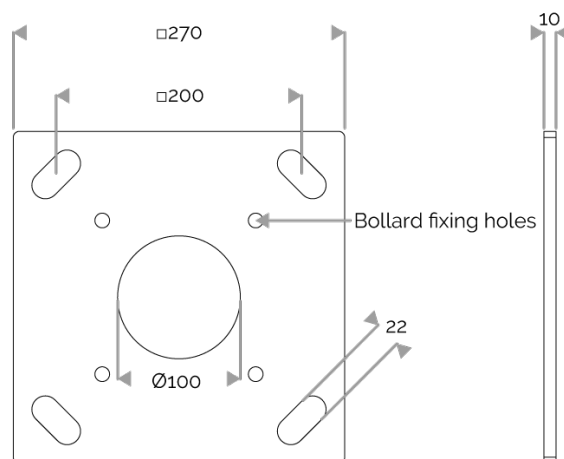


# ODO BOLLARD - Glare-free, tamperproof & suitable for disable - 11W - Up to 1899 lm

831-3110-HT ODO BOLLARD 8 LED WALK 11W 3000K IP66 CLII



Adapter in option



# ODO BOLLARD - Glare-free, tamperproof & suitable for disable - 11W - Up to 1899 lm

## 831-3110-HT ODO BOLLARD 8 LED WALK 11W 3000K IP66 CLII

### APPLICATION

Tamperproof LED bollard, glare-free. Suitable for persons with reduced mobility area, path illumination, cycle lanes, pedestrian streets. PRM: spacing of bollards up to 10 m. ULR = 0%.

### LIGHTING FEATURES

CRI70. Single circuit, direction of the LED light output to be specified when ordering: (Beam forwards). 8 LED optics cluster: WALK. Spacing up to 10 times the height of fire, lighting to the front up to 2 times the height.

### ELECTRICAL FEATURES

230V AC (except for the USA) mains connection. Zhaga LED module. Integrated Zhaga DALI driver. Built-in 10 kV lightning and surge protection. Cable is not visible. Cable length to be specified in meters when ordering. Control to be specified when ordering (CLO (constant light output), AstroDIM, MainsDIM, StepDIM). Maximum ambient temperature: 30°C. For the USA please consult us.

### CABLES USED

For class I (AstroDIM, StepDIM, MainsDIM): HO7RN-F 5G1,5mm<sup>2</sup> cable (blue, brown, green/yellow, grey, black).

For class I (StepDIM): HO7RN-F 4G1,5mm<sup>2</sup> cable (grey, brown, green/yellow, black).

For class II (AstroDIM, StepDIM, MainsDIM): 4x1,5mm<sup>2</sup> cable (blue, brown, grey, black).

### MECHANICAL FEATURES

IP66, IK10+. Die-cast aluminium luminaire, anti-corrosion treatment prior to polyester powder coating. Extruded aluminium tube, thickness 6 mm. Decorative base plate. Position of the inspection hatch on left or right, opened with 2 tamper-proof "snake-eye" screws. Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment. RAL colour to be specified when ordering. Wind pressure = 0,15m<sup>2</sup>. Weight: 15 kg.

### STANDARDS

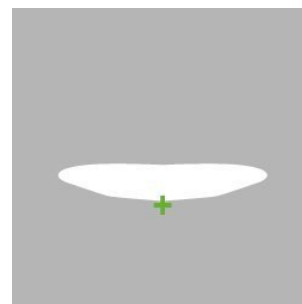
This product qualifies for RES-EC-104 Energy Saving Certificates.

### MAINTENANCE

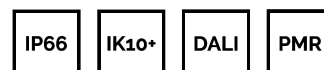
Interchangeable LED modules

### WARRANTY

5-year warranty: on LED module and driver (see the FLUX conditions).



Walk



**Lifetime: 100 000 hours L80 B10**

### LUMEN DATA

|   |      |
|---|------|
| Lumen nominal total warm white 3000K (lm) | 1317 |
| lm/W LED warm white 3000K                 | 171  |
| lm/W product warm white 3000K             | 128  |
| Qty LED                                   | 8    |
| Ta max.                                   | 50°C |
| Tj (at 25°C)                              | 85°C |

### INRUSH CURRENT

|                          |     |
|--------------------------|-----|
| Inrush Current (A)       | 26  |
| Inrush Current Time (µs) | 180 |

### POWER

|                       |      |
|-----------------------|------|
| Product Led Power (W) | 7,7  |
| Product Power (W)     | 10,3 |

