

# ZOID

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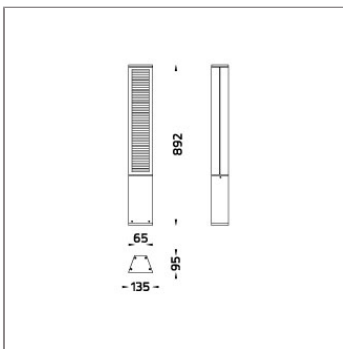
BOLLARD

 **Unilamp**

LAST UPDATE: 06-02-2025



ZOID is a distinctive trapezoid-outlined vertical illuminating low height light column with single sided light emission and perfect glare control. It is a Class 2 luminaire with cutting edge LED technology with absolutely flicker free light emission. LED is available in 3000K and 4000K color temperature with superb color rendering index. T5 version with electronic control gear is also available. The high quality corrosion resistance aluminium housing is filmed with Nano Ceramic and coated with super durable paint. The heat management has been delicately designed and tested under high ambient thermal condition. The height of the bollard can be customized according to specific requirement. An anchorage unit is available as an accessory.



## Technical Data



|                       |                    |
|-----------------------|--------------------|
| Ordering Code :       | 7811-0-5-986-XX    |
| Lamp :                | LED                |
| CCT :                 | 4000 K             |
| CRI :                 | CRI >80            |
| SDCM :                | SDCM = 3           |
| Lamp Lumen :          | 3170 lm            |
| Luminaire Lumen :     | 910 lm             |
| Lamp Wattage :        | 25 W               |
| Luminaire Wattage :   | 28 W               |
| Efficacy :            | 32 lm/W            |
| Ambient Temperature : | 45°C               |
| Lumen Maintenance     | L70B10 >36,000 h   |
| Controller :          | DALI               |
| Input Voltage :       | 220-240Vac 50/60Hz |
| Net Weight :          | 5.00 kg.           |

### Ordering code guide

XXXX-X-X-XXX-XX

A                      B                      C                      D                      E

- A Product Code
- B Reflector
- C Electrical Component
- D Lamp
- E Color



Icon definition

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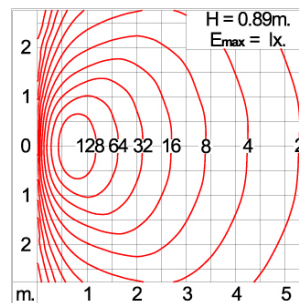
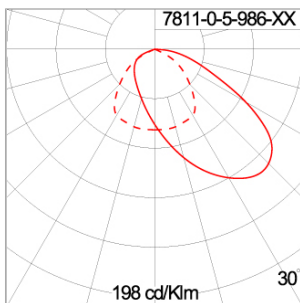


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### Specification

|                         |   |  |          |  |             |  |              |  |                    |  |          |  |                 |
|-------------------------|---|--|----------|--|-------------|--|--------------|--|--------------------|--|----------|--|-----------------|
| IEC Standard            | IEC 60598-1 General Requirement<br>IEC 60598-2-1 Fixed Luminaires   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Protection              | IP65 Class II   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| IK Rating               | Protection against mechanical impact IK08 on body and IK07 optical part.  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components.<br>Extruded aluminum 56063 alloy body with low copper content.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Coating Process         | Nano ceramic surface conversion, resistant to corrosive environment. Luminaire primarily coated with epoxy resin and top coated with UV stabilized polyester powder and cured in digital temperature controlled chamber at 200°C.                         |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Diffuser                | Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C.  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Reflector               | High performance CNC forming aluminum reflector sheet.  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Gasket                  | Post-cured treated silicone gasket. Temperature and weather resistant. Working temperature -40°C to +200°C.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| External Screws         | External screws are in stainless steel with protection grease.  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Cable Entry             | Cable entry protected by M20 cable gland. To be used with H05RN-F/ H07RN-F cable with 7-13mm. diameter.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Led                     | High efficiency LED module. Assembled on FR4 and mounted on to heat conductive material. The whole systems tested to be operated under maximum ambient environment up to +40°C.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Driver                  | High quality DALI Driver in constant current. Conform to applicable safety standards and electromagnetic compatibility.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Internal Wire           | Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Terminal Block          | Terminal block in GFR PA6.6 for cable with cross section up to 2.5 sqmm. VDE approved.  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Caution                 | Installation work has to be carried on according to the enclosed installation manual.   |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Color                   | <table><tr><td></td><td>Black O1</td></tr><tr><td></td><td>Graphite O2</td></tr><tr><td></td><td>Dark Grey O3</td></tr><tr><td></td><td>Aluminum Silver O4</td></tr><tr><td></td><td>White O6</td></tr><tr><td></td><td>Wooden Brown O7</td></tr></table> |  | Black O1 |  | Graphite O2 |  | Dark Grey O3 |  | Aluminum Silver O4 |  | White O6 |  | Wooden Brown O7 |
|                         | Black O1  |  |          |  |             |  |              |  |                    |  |          |  |                 |
|                         | Graphite O2   |  |          |  |             |  |              |  |                    |  |          |  |                 |
|                         | Dark Grey O3  |  |          |  |             |  |              |  |                    |  |          |  |                 |
|                         | Aluminum Silver O4  |  |          |  |             |  |              |  |                    |  |          |  |                 |
|                         | White O6  |  |          |  |             |  |              |  |                    |  |          |  |                 |
|                         | Wooden Brown O7   |  |          |  |             |  |              |  |                    |  |          |  |                 |

### Light Distribution



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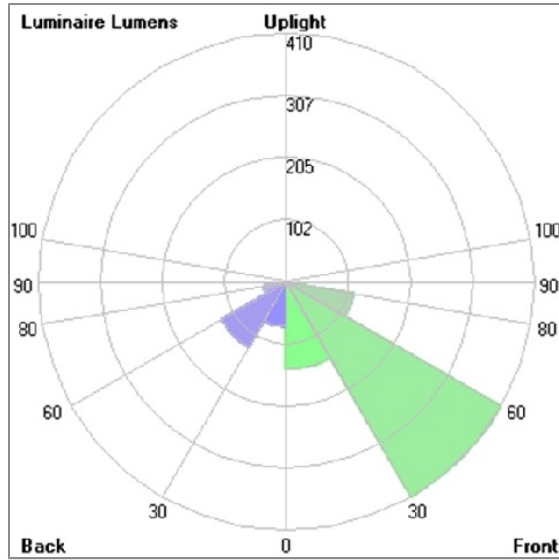
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## Bug Report



### Lum. Classification System (LCS)

| LCS        | Zone      | %Lumens | %Lamp | %Lum     |
|------------|-----------|---------|-------|----------|
| FL         | [0-30]    | 144.1   | 4.5   | 15.8     |
| FM         | [30-60]   | 409.8   | 12.9  | 45.0     |
| FH         | [60-80]   | 112.4   | 3.5   | 12.4     |
| FVH        | [80-90]   | 4.6     | 0.1   | 0.5      |
| BL         | [0-30]    | 74.2    | 2.3   | 8.2      |
| BM         | [30-60]   | 124.1   | 3.9   | 13.6     |
| BH         | [60-80]   | 38.5    | 1.2   | 4.2      |
| BVH        | [80-90]   | 2.4     | 0.1   | 0.3      |
| UL         | [90-100]  | < 0.05  | 0.0   | 0.0      |
| UH         | [100-180] | < 0.05  | 0.0   | 0.0      |
| Total      |           | 910.1   | 28.5  | 100.0    |
| BUG Rating |           |         |       | B0-U1-G0 |

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## Accessories



Ordering Code:  
AUN-ACB-0011-00  
Anchor bolt kit, bollard

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