

# CYCLOPS

## MINI CYCLOPS SHORT

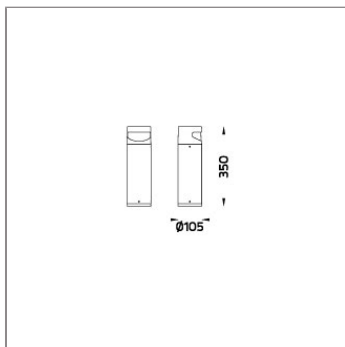
### BOLLARD



LAST UPDATE: 18-06-2024



CYCLOPS family is an innovative walkway lighting solution with shielded light sources. Delivering light exactly where it is needed without disruptive glare. Operated with multiple LED with built in heat sink. The light is precisely controlled by carefully designed lenses and is directed onto the illuminated surface. The vandal resistant clear polycarbonate cover protects the bollard from harmful impact, dust and water. CYCLOPS is available in two sizes and two heights with 180 and 360-degree light distribution. CYCLOPS can be installed in residential areas, walkways, parks, commercial areas and open spaces. It provides illumination for modern architectural environment as well as being an eye-catching object. Pre-wired cables and a twist-locking mechanism ensure an easy installation. CYCLOPS can be customized to required heights and an anchorage unit for concrete foundation is available as an accessory.



## Technical Data



|                       |                    |
|-----------------------|--------------------|
| Ordering Code :       | 7176-K-5-544-XX    |
| Lamp :                | LED                |
| Beam :                | Forward throw      |
| CCT :                 | 3000 K             |
| CRI :                 | CRI >80            |
| SDCM :                | SDCM = 5           |
| Lamp Lumen :          | 980 lm             |
| Luminaire Lumen :     | 720 lm             |
| Lamp Wattage :        | 8.1 W              |
| Luminaire Wattage :   | 11 W               |
| Efficacy :            | 65 lm/W            |
| Ambient Temperature : | 40°C               |
| Lumen Maintenance     | L80B10 >108,000 h  |
| Controller :          | DALI               |
| Input Voltage :       | 220-240Vac 50/60Hz |
| Net Weight :          | 2.00 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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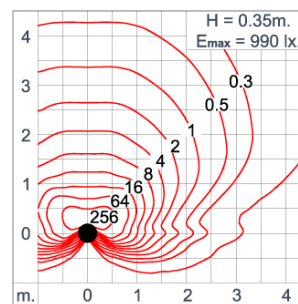
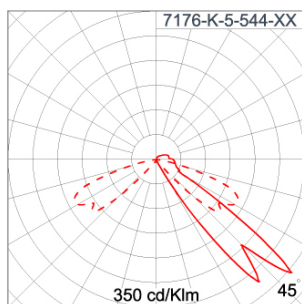


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#### Specification

|                         |                                                                                                                                                                                                                                                           |  |          |  |             |  |              |  |                    |  |          |  |                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-------------|--|--------------|--|--------------------|--|----------|--|-----------------|
| IEC Standard            | IEC 60598-1 General Requirement<br>IEC 60598-2-1 Fixed Luminaires                                                                                                                                                                                         |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Protection              | IP66 Class II                                                                                                                                                                                                                                             |  |          |  |             |  |              |  |                    |  |          |  |                 |
| IK Rating               | Protection against mechanical impact IK07 on body and optical part.                                                                                                                                                                                       |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Luminaires Body Housing | High-pressure die cast aluminum alloy body and components.<br>Extruded aluminum S6063 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                | Self-extinguishing high impact resistant clear polycarbonate diffuser with UV stabilized additive.                                                                                                                                                        |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Lens                    | Molded PC lens from renowned manufacturers in various light distribution patterns.                                                                                                                                                                        |  |          |  |             |  |              |  |                    |  |          |  |                 |
| 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 weather proof grommet. To be used with HO5RN-F/ HO7RN-F cable with 7-10mm. diameter.                                                                                                                                             |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Led                     | High efficiency LED module in COB technology. Assembled on MCPCB and mounted on to heat conductive material.                                                                                                                                              |  |          |  |             |  |              |  |                    |  |          |  |                 |
| 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.                                                                                                                                                                    |  |          |  |             |  |              |  |                    |  |          |  |                 |
| Pre-Wire Cable          | Pre-wired with 5-core cable for power [3x1 sqmm.] and dimming signal [2x0.35 sqmm.].<br>Equipped with anti-humidity kit.                                                                                                                                  |  |          |  |             |  |              |  |                    |  |          |  |                 |
| 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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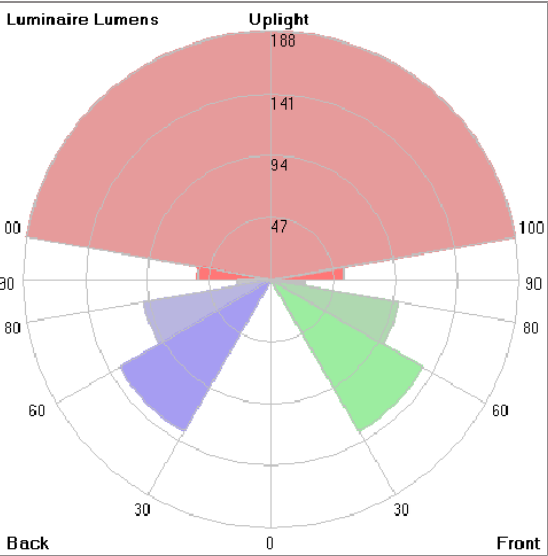
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#### Bug Report



| Lum. Classification System [LCS] |           |          |       |       |
|----------------------------------|-----------|----------|-------|-------|
| LCS                              | Zone      | %Lumens  | %Lamp | %Lum  |
| FL                               | [0-30]    | 1.9      | 0.2   | 0.2   |
| FM                               | [30-60]   | 132.7    | 12.8  | 17.4  |
| FH                               | [60-80]   | 97.9     | 9.4   | 12.9  |
| FVH                              | [80-90]   | 25.8     | 2.5   | 3.4   |
| BL                               | [0-30]    | 1.9      | 0.2   | 0.2   |
| BM                               | [30-60]   | 132.7    | 12.8  | 17.4  |
| BH                               | [60-80]   | 97.9     | 9.4   | 12.9  |
| BVH                              | [80-90]   | 25.8     | 2.5   | 3.4   |
| UL                               | [90-100]  | 55.5     | 5.3   | 7.3   |
| UH                               | [100-180] | 188.3    | 18.1  | 24.8  |
| Total                            |           | 760.4    | 73.2  | 100.0 |
| BUG Rating                       |           | B0-U3-G1 |       |       |

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#### Accessories



Ordering Code:  
AUN-ACB-0014-00  
Anchor bolt kit, bollard



Ordering Code:  
AUN-CON-0011-00  
IP68 connection device,  
cable diameter 7.1-13mm,  
1-10V or DALI



Ordering Code:  
AUN-CON-0012-00  
IP68 connection device 5  
pole, cable diameter  
7.1-13mm, with distribution  
block, 1-10V or DALI



Ordering Code:  
AUN-CON-0014-00  
IP68 connection device,  
cable diameter 8-12.5mm,  
1-10V or DALI