

# ATOM

ATOM – CC

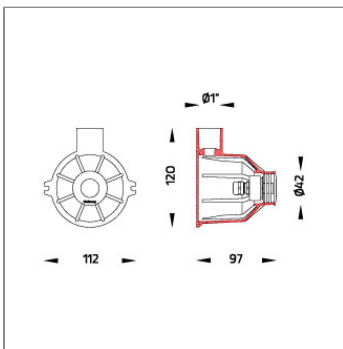
UNDERWATER



LAST UPDATE: 18-06-2024



ATOM is a ground recess indicator light suitable for above water and under water light application. ATOM has been designed and manufactured at highest attribute. Utilizing CNC lathed stainless steel body presented exceptional aesthetic as well as sleek tough feeling. LED chips and lenses are from world renowned manufacturers. GFR polymer recess kit allows it to be installed in most extreme environment. Ensuring integrity of manufacture ATOM is supplied with a factory fitted pre-wired cable for ease of installation. The Anti-Humidity kit eliminate condensation inside the housing and prolong the life time of the luminaire. An optional IP68 connectors is recommended as an accessory for trouble free installation.



## Technical Data



|                       |                               |
|-----------------------|-------------------------------|
| Ordering Code :       | 7481-5-2-989-91               |
| Lamp :                | LED                           |
| Beam :                | 19°                           |
| CCT :                 | 3000 K                        |
| CRI :                 | CRI >80                       |
| SDCM :                | SDCM = 3                      |
| Lamp Lumen :          | 260 lm                        |
| Luminaire Lumen :     | 190 lm                        |
| Lamp Wattage :        | 2.1 W[700mA]                  |
| Luminaire Wattage :   | 2.1 W                         |
| Efficacy :            | 90 lm/W                       |
| Ambient Temperature : | 50°C                          |
| Lumen Maintenance     | L80B10 >108,000 h             |
| Controller :          | Remote                        |
| Input Voltage :       | 700mA, 2.98Vdc, Uin max 50Vdc |
| Net Weight :          | 0.40 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

\*Due to the constancy of product development, we reserve the right to alter all specification without prior notice.

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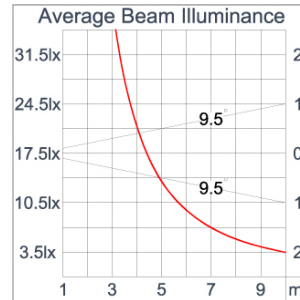
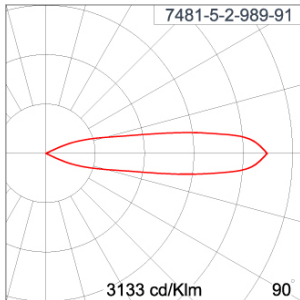


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#### Specification

|                         |  |
|-------------------------|--|
| IEC Standard            | IEC 60598-1 General Requirement<br>IEC 60598-2-18 Luminaires for Swimming Pools  |
| Protection              | IP68 Class III   |
| IK Rating               | Protection against mechanical impact IK10 on body and IK07 on optical part.  |
| Luminaires Body Housing | Supreme corrosion proof Under Water grade Stainless Steel.<br>Recessed housing made of GFR polymer.  |
| Diffuser                | Impact resistant safety tempered glass cover. Able to withstand the temperature up to 250°C.   |
| 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 M12 cable gland. To be used with H05RN-F/ H07RN-F cable with 4-7mm. diameter.   |
| Led                     | High efficiency LED module utilized chips from world renowned manufacturer. Assembled on MCPCB and mounted on to heat conductive material.   |
| Driver                  | Driver is not included and has to be ordered separately.   |
| Internal Wire           | Tinned copper conductor with silicone insulated internal wire. IMQ approved. Working temperature -40°C to +180°C.  |
| Pre-Wire Cable          | Pre-wired with 2x1.0 sqmm. H05RN-F neoprene cable. IMQ approved.   |
| Caution                 | Installation work has to be carried on according to the enclosed installation manual.<br>The water drainage system must be tested to ensure that it is working sufficiency and efficiency. |

#### Light Distribution



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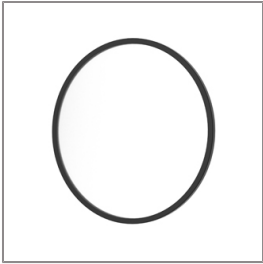
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## Accessories



Ordering Code:  
AUN-SOF-0055-00  
Softening filter, LED,  
pre-assembly from factory



Ordering Code:  
AUN-GOP-0101-01  
LED constant current  
driver, 700mA, 4W, with  
IP67 GFR polymer  
enclosure, On-Off



Ordering Code:  
AUN-COV-0002-00  
LED constant current  
converter input 12-24VDC,  
700mA, 14W, with IP67  
GFR polymer enclosure,  
On-Off



Ordering Code:  
AUN-DRG-0012-00  
LED constant current  
driver, 700mA, 20W, with  
IP67 GFR polymer  
enclosure, DALI, with IP68  
series distribution box for  
2-3 luminaires



Ordering Code:  
AUN-CON-0024-00  
IP68 Connector, cable  
diameter 4.8-6mm,  
gel-filled

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