

# VOLGA

## VOLGA/1 – CV WALL RECESS UNDER WATER

### UNDERWATER



LAST UPDATE: 17-06-2024



VOLGA is a family of robust marine grade stainless steel luminaires suitable for underwater and ground and well recessed mounting. It utilizes high power LED in available with different color temperatures. The high quality optical lenses offering beams from ultra-narrow to wide and asymmetric light distributions. VOLGA is a perfect choice to illuminate swimming pools, decorative pools and fountains and narrow columns. The luminaire is supplied with pre-wired cable, anti-humidity kit and is fully sealed from the factory. The underwater version must be operated submersed in water at all time in order to prevent over-heating of the luminaire. VOLGA inground and wall recessed is suitable for in air operation. The marine grade 316 stainless steel body guarantees corrosion free appearance throughout the lifetime. We highly recommend that the luminaire lay out should be considered during specifying and planning processes. Installation work must be carried out under national safety regulations.



### Technical Data



|                       |                   |
|-----------------------|-------------------|
| Ordering Code :       | 7418-6-2-430-91   |
| Lamp :                | LED               |
| Beam :                | 30°               |
| CCT :                 | 3000 K            |
| CRI :                 | CRI >80           |
| SDCM :                | SDCM = 3          |
| Lamp Lumen :          | 370 lm            |
| Luminaire Lumen :     | 270 lm            |
| Lamp Wattage :        | 3.3 W[24Vdc]      |
| Luminaire Wattage :   | 3.3 W             |
| Efficacy :            | 81 lm/W           |
| Ambient Temperature : | 50°C              |
| Lumen Maintenance     | L80B10 >108,000 h |
| Controller :          | Remote            |
| Input Voltage :       | 24Vdc             |
| Net Weight :          | - kg.             |

#### Ordering code guide

XXXX-X-X-XXX-XX

- 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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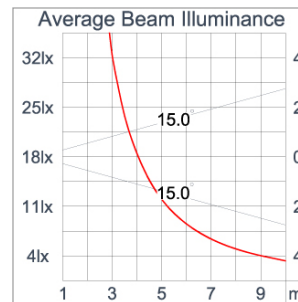
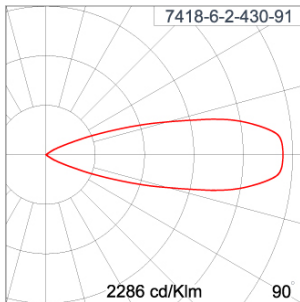


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### Specification

|                         |  |
|-------------------------|--|
| IEC Standard            | IEC 60598-1 General Requirement<br>IEC 60598-2-18 Luminaires for Swimming Pools  |
| Protection              | IP68 Class III   |
| 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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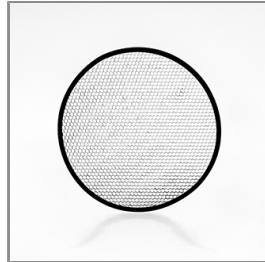


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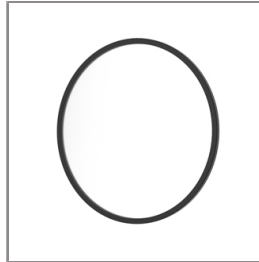
#### Accessories



Ordering Code:  
AUN-DRG-0011-00  
LED constant voltage  
driver, 24VDC, 150W



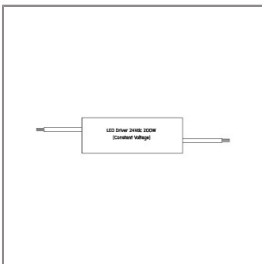
Ordering Code:  
AUN-GSH-0017-00  
Honeycomb louver, LED,  
pre-assembly from factory



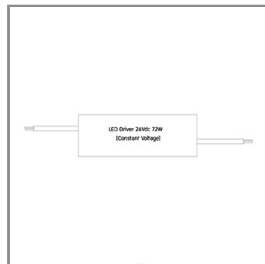
Ordering Code:  
AUN-SOF-0029-00  
Softening filter, LED,  
pre-assembly from factory



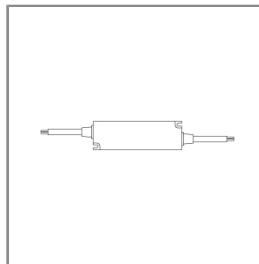
Ordering Code:  
AUN-CON-0024-00  
IP68 Connector, cable  
diameter 4.8-6mm,  
gel-filled



Ordering Code:  
AUN-DRG-0024-00  
LED constant voltage  
driver, 24VDC, 200W



Ordering Code:  
AUN-DRG-0027-00  
LED constant voltage  
driver, 24VDC, 72W



Ordering Code:  
AUN-DRG-0118-00  
LED constant voltage  
driver, 24VDC, 30W

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