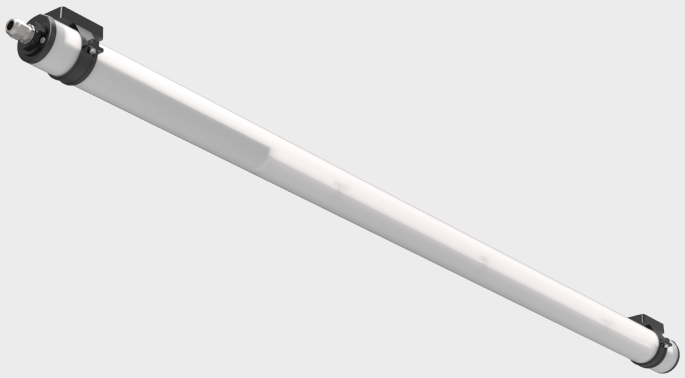
# AQUA-70-EX1/21

IP66/IP68 | ZONE 1/21



## Description

A rugged tubular light fixture designed for use in potentially explosive atmospheres in ATEX Zones 1/21. The housing is made of highly durable polycarbonate tubing. The luminaire's end caps are made of a special glass-fiber-reinforced plastic and, together with a silicone gasket, ensure high resistance to water spray and dust (IP66), as well as resistance to submersion (IP68) up to 15 m and high impact resistance (IK10. Equipped with certified electronic components—the encapsulated LED module and driver ensure high efficiency and a service life of up to 85,000 hours for the LED modules, even at high temperatures. Suitable for ambient temperatures ranging from -20 °C to +55 °C (depending on the luminaire variant). The luminaire is mounted on a ceiling or wall using plastic or stainless steel brackets.

## Specifications

**Operating voltage:**
220–254 V, 50/60 Hz AC; 220–250 V DC
110–127 V at 0/50/60 Hz AC/DC

**Source:**
LED, 4000K, CRI +80

**Housing:**
Tube with outer diameter 70 mm and wall thickness 4 mm made of clear PC – IK10 (polycarbonate)

**Fastening:**
Fixing to the ceiling or wall of the illuminated space or hanging using mounting brackets (not included)

**Connection:**

Screwless three-pole terminal block, max. conductor cross-section 4 $mm^2$

**Standard equipment:**
1 Ex-rated plastic M20 cable gland for cable diameters of 7–13 mm and 1 Ex-rated plastic M20 cable plug

**AQUA-70–EX1/21 (FTZÚ 17 ATEX 0052X)**
II 2G Ex eb mb IIC T4 Gb
II 2G Ex eb db mb IIC T4 Gb – with isolator
II 2D Ex tb IIIC T85°C Db

## On request

**5000K** – chromaticity temperature

**ND**– ON/OFF light
**D2**– DALI2 light fixture

**ND-1F**– ON/OFF light fixture, 3×1.5 mm²
**D2-1F**– DALI2 light fixture, 5×1.5 mm²

## Variants

| Number items | Name of variant | Luminous flux (lm) | Specific power luminaires | Power input (W) | Ta (°C) | Dimensions A x B x C (mm) |
|---|---|---|---|---|---|---|
| 81109 | AQUA-70-EX1/21-I-L17-840-5500-0ND-24-PG | 4175 | 118 lm/W | 35,5 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 81111 | AQUA-70-EX1/21-I-L17-840-5500-0D2-24-PG | 4175 | 118 lm/W | 35,5 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 81112 | AQUA-70-EX1/21-I-L17-840-5500-0ND-23-PG | 4175 | 118 lm/W | 35,5 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 81114 | AQUA-70-EX1/21-I-L17-840-5500-0D2-23-PG | 4175 | 118 lm/W | 35,5 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 80408 | AQUA-70-EX1/21-I-L11-840-4000-0ND-24-PG | 3061 | 118 lm/W | 26 | -20°C≤ta≤55°C | 1146 x 70 x 70 |
| 80409 | AQUA-70-EX1/21-I-L17-840-8000-0ND-24-PG | 5985 | 120 lm/W | 50 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 80410 | AQUA-70-EX1/21-I-L11-840-4000-0D2-24-PG | 3061 | 118 lm/W | 26 | -20°C≤ta≤55°C | 1146 x 70 x 70 |
| 80411 | AQUA-70-EX1/21-I-L17-840-8000-0D2-24-PG | 5985 | 120 lm/W | 50 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 80412 | AQUA-70-EX1/21-I-L11-840-4000-0ND-23-PG | 3061 | 118 lm/W | 26 | -20°C≤ta≤55°C | 1146 x 70 x 70 |
| 80413 | AQUA-70-EX1/21-I-L17-840-8000-0ND-23-PG | 5985 | 120 lm/W | 50 | -20°C≤ta≤50°C | 1709 x 70 x 70 |
| 80416 | AQUA-70-EX1/21-I-L11-840-4000-0D2-23-PG | 3061 | 118 lm/W | 26 | -20°C≤ta≤55°C | 1146 x 70 x 70 |
| 80417 | AQUA-70-EX1/21-I-L17-840-8000-0D2-23-PG | 5985 | 120 lm/W | 50 | -20°C≤ta≤50°C | 1709 x 70 x 70 |

Luminous flux and luminaire power tolerance ±10%
You can view the variant detail via the item number.

## Accessories

**AQUA-70 Cable Hanger Set, AISI 304 (2 pcs)**

Item number: **3578**
Product type: **051134**



**AQUA-70 Stainless Steel Mounting Bracket Set, Complete (2 pcs)**

Item number: **75079**
Product type: **053631**



Item number: **75080**
Product type: **053632**



**AQUA-70 Mounting Bracket Set, Complete, Dark (2 pcs)**

Item number: **75081**
Product type: **053633**



**AQUA-70 Mounting Bracket Set, Complete, Light-Colored (2 pcs)**

Item number: **75082**
Product type: **053634**



**AQUA-70 Stainless Steel Mounting Bracket Set, Complete (2 pcs), for direct mounting to a surface**

Item number: **80596**
Product type: **053636**



## Spare parts

**AQUA/RAMBO plug set IP68-open**

Item number: **4174**
Product type: **053548**



**AQUA/RAMBO plug set IP68-closed**

Item number: **4175**
Product type: **053549**



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