LC1x70-SR

Strain Relief Series

- Enables independent installation of compatible plastic case compact LED drivers
- Installation with included cable clamps and screws
- Sturdy structure, compatible with cables of different thickness





COMPATIBILITY

• Compatible with the LED drivers:

LC1x70-E-CC/DA

LC1x50-E-CC/DA

LC35/2-DA-iC

LC45/2-DA-iC

LC45iC-DA-100-900*

*In usage with LC45iC-DA-100-900 LED driver, the double square symbol 回 on the lid of strain relief shall be covered.

PACKAGE CONTENTS

One set of LC1x70-SR strain relief consists of the following parts:

- Cover part
- Bottom part
- Three cable clamps
- Six Phillips-head screws for mounting and tightening the cable clamps

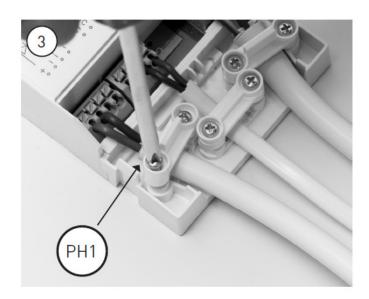
| MATERIALS AND CONDITIONS | | Mechanical, Operating & Sto | • |
|--------------------------------|-----------------|--|--|
| Material Specifications | | Ambient temperature range Storage temperature range Assembly temperature range | -25+45 °C* -40+80 °C +5+30 °C |
| Material type | Polycarbonate | Do not store in wet or humid environment! | |
| Fire retardant UV protected | Yes Yes | *Unless otherwise stated in the driver datasheet (for independent installation). Note! Tc max temperature of the driver shall not be exceeded. | |
| Colour | White, RAL 9016 | Conformity & Standards | |
| Halogen free according to | IEC 61249-2-21 | Luminaires - Part 1: General requirements and tests Luminaires. Part 2: Particular requirements. Section One: Fixed general purpose luminaires | IEC 60598-1 EN 60598-1 IEC 60598-2-1 EN 60598-2-1 |

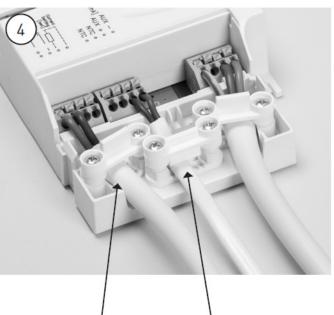
Compliant with relevant EU directives, CE marked, RoHS/REACH compliant

Installation

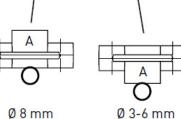












 Helvar Components
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Application considerations

Thermal considerations

The LC1x70-SR strain reliefs are designed and tested to comply with the luminaire standard EN 60598-1:2015 where applicable. When combining the strain reliefs and drivers for independent installation of the drivers, it is always the responsibility of the integrator to ensure that the combination complies with the relevant standards (e.g. IEC / EN 60598-1).

Thermal design of the luminaire system is important for the safety, reliability and lifetime of the system. Datasheets give guidelines what range of ambient temperature is recommended for the driver in built-in and in independent usage, but in both environments it it always the responsibility of the integrator to ensure that the Tc point temperature does not exceed the Tc max temperature specified in the product datasheet.

Installation, mechanical and chemical considerations

- Do not assemble the LC1x70-SR strain reliefs into place in cold environments (<5 °C)
- When installing the strain reliefs, refer to the separate installation guide
- The protection class of the final installation must be adequate for the application
- While handling the strain reliefs avoid excess mechanical stress or pressure applied to them
- Avoid dropping of the strain reliefs
- Mechanical modifications (drilling, milling, sawing or cutting of the strain reliefs) are not permitted

Chemical substances may cause damage to the LC1x70-SR strain reliefs. Avoid materials and substances containing:

- Acetone, ketones, ethers, and aromatic and chlorinated hydrocarbons
- Aqueous or alcoholic alkaline solutions, ammonia gas and its solutions and amines

Do not expose LC1x70-SR strain reliefs to steamy environments.