

Features

- suitable for energy-saving lamps, dimmable LED lamps / drivers and low voltage halogen lamps with magnetic transformers
- with pressure two-way switch and thermal link
- Overtemperature protected

Dimmer

Description

The REDIM series offer dimmers that reliably operate with base loads from 7W. These dimmers and the RACT20 series LED drivers are ideally matched and provide a smooth dimming curve and deep dimming down to zero. The basic light level can be adjusted individually and easily for a customized lighting solution. The warranty is 5 years.

Selection Guide

| Part Number | Input Voltage Range (VAC) | Output Power (W/VA) |
|-------------|---------------------------|---------------------|
| REDIM07 | 198-264 | 7-110 |
| REDIM20 | 198-264 | 20-250 |

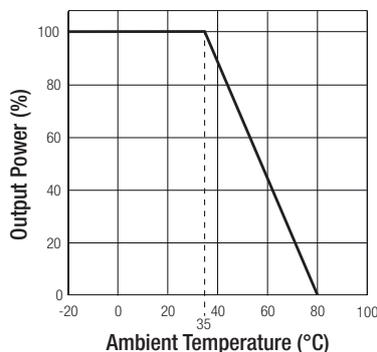
Specifications (measured at T_A= 25°C, nominal input voltage, rated load)

| PROTECTION | | |
|---|--------------------|--------------------------------|
| Parameter | Type | Value |
| Over Temperature Protection (OTP) | | 115°C, thermal shutdown |
| Input Fuse ⁽¹⁾ | REDIM07 REDIM20 | 1A, slow blow 2A, slow blow |
| Notes: | | |
| Note1: Each dimmer contains a spare fuse inside the black protective cover. | | |

ENVIRONMENTAL

| Parameter | Condition | Value |
|--|---------------|-------------------------------------|
| Operating Temperature Range max. Case Temperature Range | with derating | -20°C to +80C, Ambient 80°C max. |

Derating Graph



SAFETY AND CERTIFICATIONS

| Certificate Type (compliant) | Standard |
|---|-------------------|
| Switches for household and similar fixed-electrical installations - General requirements | EN-60669-1:2008 |
| Switches for household and similar fixed electrical installations - Particular requirements | EN-60669-2-1:2010 |



REDIM

Leading-edge Dimmer



EN60669-1 compliant
EN60669-2-1 compliant

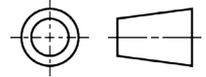
Refer to Applications Notes

Specifications (measured at $T_A = 25^\circ\text{C}$, nominal input voltage, rated load)

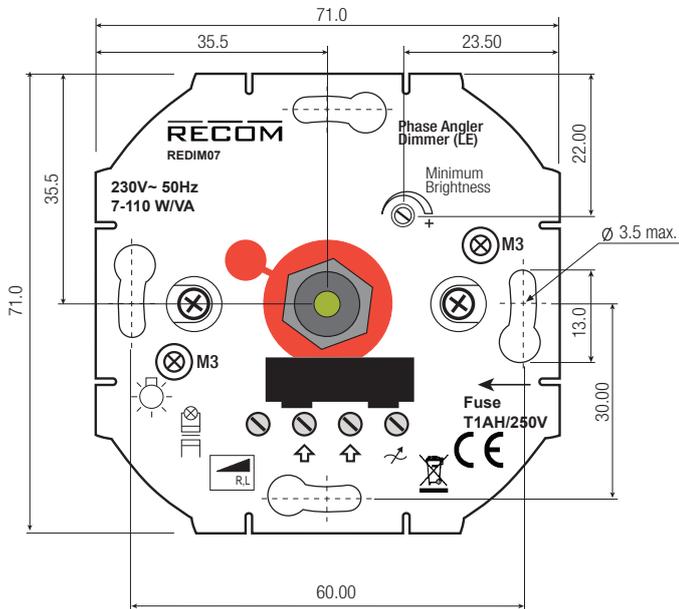
DIMENSIONS and PHYSICAL CHARACTERISTICS

| Parameter | Type | Value |
|--------------------|-----------------|--|
| Case Material | | Plastic |
| Dimensions (LxWxH) | | 71.0 x 71.0 x 35mm |
| Weight | | 70g |
| Connection | Input Output | Screw Terinal (1.5-2.5mm ²) Screw Terinal (1.5-2.5mm ²) |

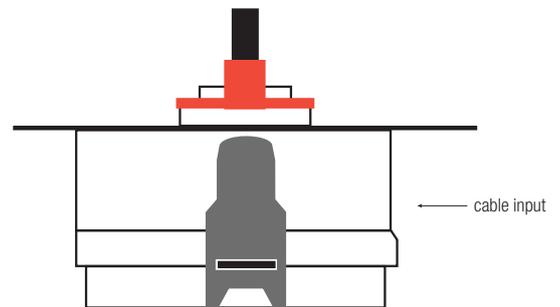
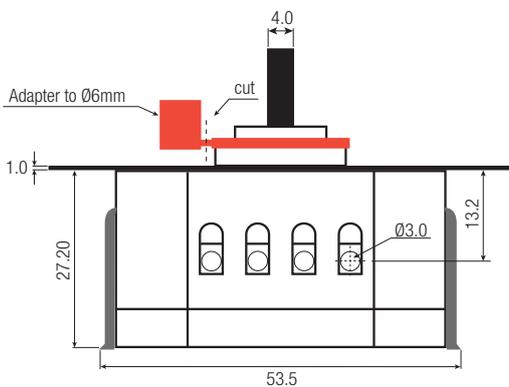
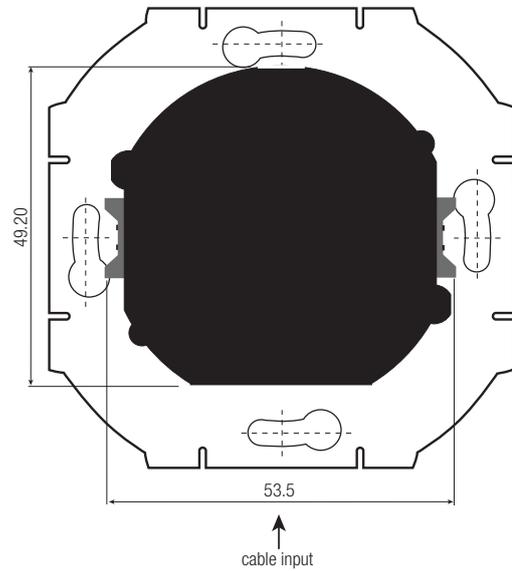
Mechanical Dimensions



TOP VIEW



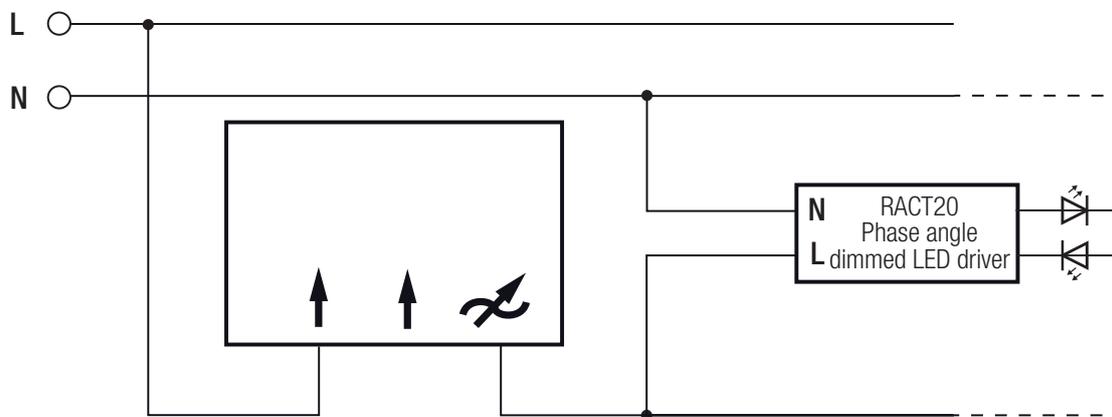
BOTTOM VIEW



Tolerance: $\pm 0.5\text{mm}$

Specifications (measured at $T_A=25^{\circ}\text{C}$, nominal input voltage, rated load)

INSTALLATION



REDIM07 - max. 5x RACT20
RECIM20 - max. 12x RACT20

Notes:

Note2: To set the basic brightness, set the actuating button to the left stop minimum brightness). Now use a screw driver to set the desired basic brightness on the potentiometer. Pursuant to EN60699-2-1 the basic value should be set in such a way that the light visibly glows over the entire load range (at nominal voltage -10%) when it's set to dark position.

Note3: Dimmer designed for RACT20.

PACKAGING INFORMATION

| Parameter | Type | Value |
|-----------------------------|---------------|----------------|
| Packaging Dimension (LxWxH) | Cardboard Box | 73 x 73 x 53mm |
| Packaging Quantity | | 1 pcs |