



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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
- Over Temperature 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 [VAC]	Output Power [W/VA]
REDIM07	198-264	7-110
REDIM20	198-264	20-250

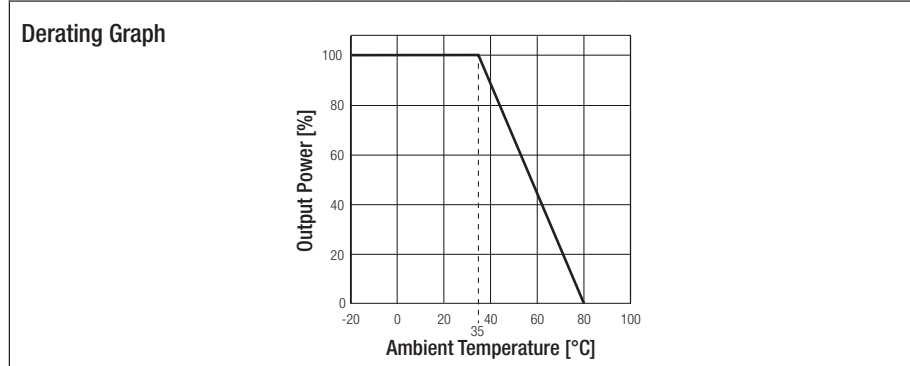
**NOT RECOMMENDED FOR NEW DESIGNS**

## Specifications (measured @ ta= 25°C, nominal input voltage, rated load)

PROTECTION		
Parameter	Type	Value
Over Temperature Protection (OTP)		115°C, thermal shutdown
Input Fuse <sup>(1)</sup>	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	with derating	-20°C to +80C, Ambient
Max. Case Temperature		+80°C

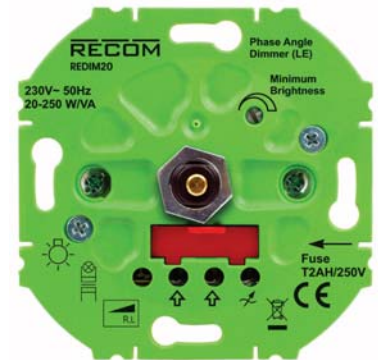


SAFETY AND CERTIFICATIONS	
Certificate Type (compliant)	Standard
Switches for household and similar fixed-electrical installations - General requirements	EN-60669-1:2008
Switches for household and similar fixed electrical installations - Particular requirements	EN-60669-2-1:2010



# REDIM

# Leading-edge Dimmer



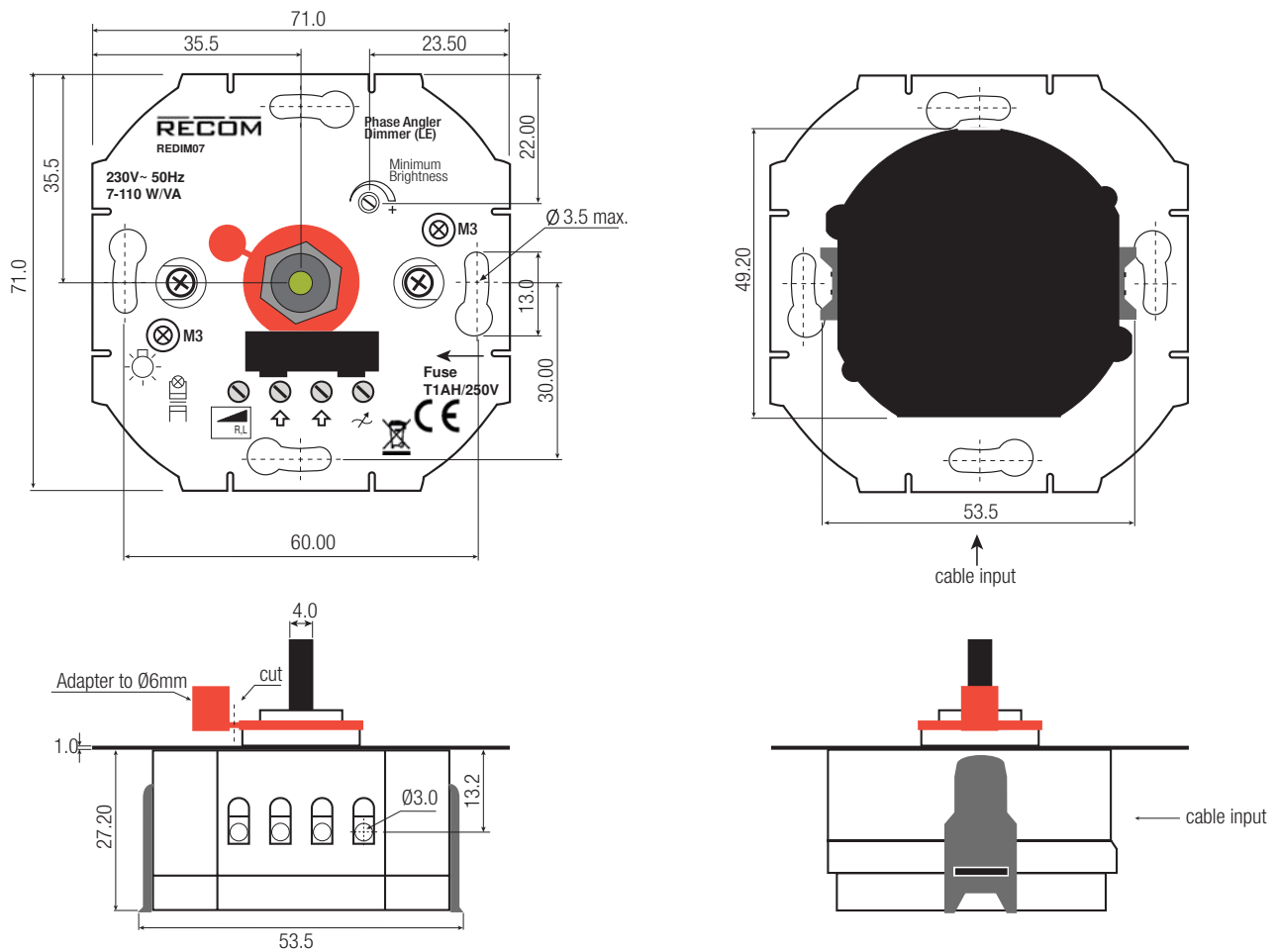
EN60669-1 compliant  
 EN60669-2-1 compliant

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

**DIMENSION and PHYSICAL CHARACTERISTICS**

Parameter	Type	Value
Material	Case	Plastic
Package Dimension (LxWxH)		71.0 x 71.0 x 35mm
Package Weight		70g
Connection	Input Output	Screw Terinal (1.5-2.5mm <sup>2</sup> ) Screw Terinal (1.5-2.5mm <sup>2</sup> )

**Dimension Drawing (mm)**



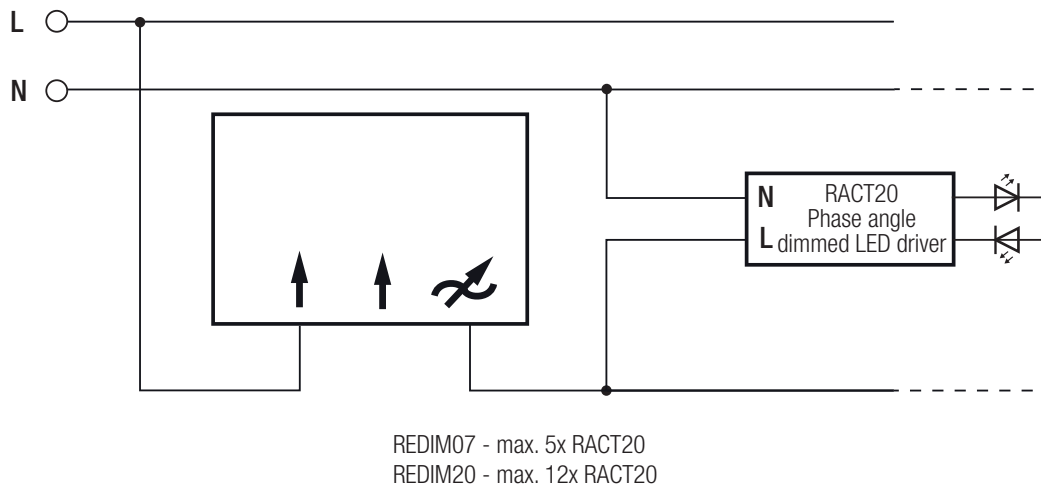
**Connection via Screw Terminal**

#	Function	Wire Diameter	AWG
1	VAC in (L)	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
2	VAC in (N)	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
3	FG	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
4	LED+	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
5	LED-	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16

wire stripping length: 7-8mm  
recommended tightening torque: 0.4Nm  
Tolerance:  $\pm 0.5$ mm

Specifications (measured @ ta= 25°C, nominal input voltage, rated load)

**INSTALLATION and APPLICATION**



**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	280.0 xx 152.0 x 76.0mm
Packaging Quantity		10 pcs