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DALI LED dimmer 16 A tunable white

DL-TW-2LT-16A-DC12+

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

DALI LED dimmer for separate control of brightness and colour temperature.

For ceiling installation. 120 x 30 x 22 mm.

**Protection class IP20. Only 0.12 watt
standby loss.**

Designed to control **constant voltage**
LED modules (CV) at operating voltages of
12 V to 48 V.

Operating mode DT8: control brightness
and colour temperature by a DALI address
(Device Type 8, Colour Type Tc).
Operating mode Balance&Dim: activated via
2 DALI addresses, one to adjust brightness
and one to set channel distribution (e.g.
colour temperature).

Operating mode Dim2Warm: one DALI
address to dim and to change the colour
temperature at the same time.

SwitchDim2: operation via 2 pushbutton
inputs permits control of brightness and
colour temperature without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/
244 Hz/488 Hz/976 Hz).

Power supply depending on type from 12 V
to 28 V DC or 12 V to 48 V DC (depending on
operating voltage of LED modules).
Connected current 16 A. The maximum
connected current can be distributed to any
channel.

High efficiency.

Configuration via DALI Cockpit PC software
and DALI USB interface.

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Operating modes:

The device has several operating modes:

DT8 (as-delivered state):

in this mode a DALI address (Device Type 8,
Colour Type Tc) is used to control brightness
and colour temperature. Alternatively,
operation can also take place by one or two
pushbutton inputs (SwitchDim2).

SwD1:

brightness.

Press pushbutton briefly: On/Off.

Press pushbutton long: Dim.

SwD2:

Colour temperature.

Balance&Dim:

Control is by means of 2 DALI addresses
(or SwitchDim2); one address is used for
dimming and the other for channel distri-
bution (i.e., e.g.: tunable white or direct/
indirect lighting distribution).

The Balance&Dim mode is used to adjust
colour temperature without affecting
brightness and vice versa. Adjustment is by
means of DAKL standard commands such
as Dim Up/Down. This permits all customary
controls and gateways (e.g. KNX). This
control option is an alternative to DT8-
Tc mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

DALI address 2, SwD2: Balance.

Dim2Warm:

The two output channels are controlled by
a DALI address or an SwD input. Channel
distribution is permanently coupled to the
dimming value. The smaller the dimming
value, the warmer the light.

DALI address 1, SwD1:

Dim2Warm (Master).

Press pushbutton briefly: On/Off.

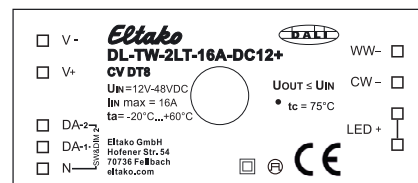
Press pushbutton long: Dim.

Technical data

Max. connected current 16 A

Plug-in terminals:

Max. conductor
cross-section 2.5 mm², DALI 1.5 mm²



**The crossed-out waste container indicates
that batteries may not be disposed with
other household or commercial waste.**

Must be kept for later use!

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