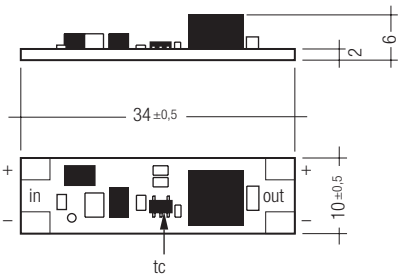
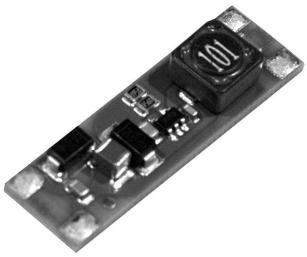
TALEXcontrol LED C350-2 12–24 V DC / 350 mA 8 VA

CE RoHS





- constant current source 350 mA for TALEXeos modules
- constant output current 350 mA DC
- suitable for central supplied LED installations
- high efficiency > 85 %
- slim compact shape
- no-load and overtemperature protection
- connection technology: solder pads
- thermal conductive adhesive tape, premounted
- suitable for mounting on TridonicAtco mounting profiles, e.g. TALEXprofile Z200

packaging:
box of 50

Designed according to:
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384

type		LED C350-2 12-24 V DC / 350 mA 8 VA
article number		28000872
input voltage U_{in}	V DC	12-24
max. input voltage $U_{in\ max}$	V DC	29
efficiency [1]	%	> 85
output current	A DC	0.350
output voltage [1]	V DC	max. 22 (U_{in} – 2 V)
output power	W	8
max. power loss	W	0.65
max. cable length (converter → TALEXmodule)	m	20
ambient temperature ta	°C	-25 → +50
rated max. temperature tc	°C	80
weight	kg	0.004
dimensions L x W x H	mm	34 x 10 x 6

Possible number of TALEXeos modules connected to TALEXcontrol LED C350-2 12-24 V / 350 mA 8 VA

U_{in} = 24 V DC [1]

colour	P211/P211-2	P214	P215	P216
red, amber	1-9	n.A.	n.A.	n.A.
green, blue, white	1-6	1	–	–

U_{in} = 12 V DC [1]

colour	P211/P211-2	P214	P215	P216
red, amber	1-4	n.A.	n.A.	n.A.
green, blue, white	1-3	–	–	–

[1] Output voltage depending on supply voltage and the number of connected TALEXmodule (U_{in} – 2 V).

Possible number of TALEXcontrol LED C350-2 12-24 V / 350 mA 8 VA connected to TridonicAtco TALEXconverter

Numbers valid for full loaded TALEXcontrol LED C350-2 (8 VA)

TALEXconverter	number of TALEXcontrol LED C350-2
K001; 12 V / 24 V 10 VA	1
K301; 12 V / 24 V 10 VA	1
K220; 12 V / 24 V 25 VA	3
K240; 12 V / 24 V 100 VA	12

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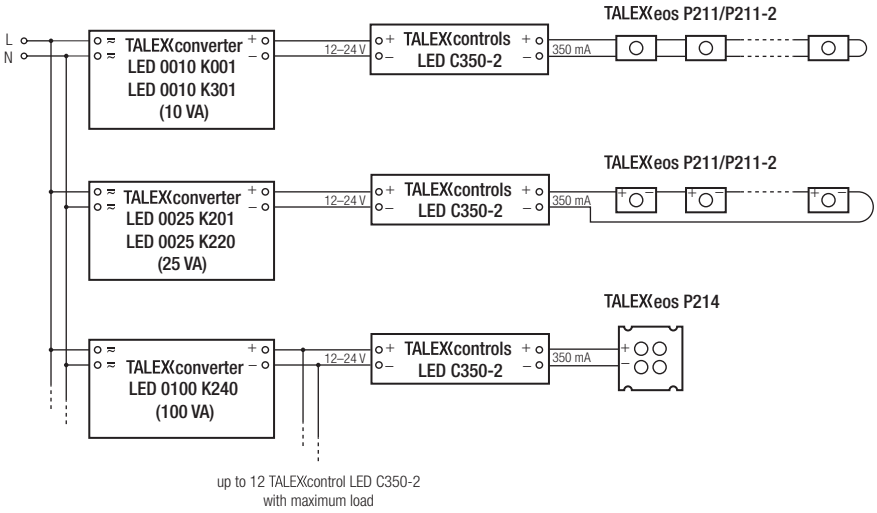
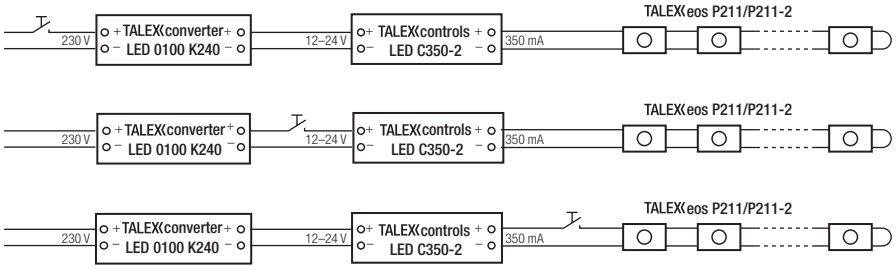
Example wiring diagram TALEXcontrol LED C350-2 with TALEXeos modules



TALEXeos modules must be wired in series connection to the constant current source TALEXcontrol C350-2.

Connection of an on/off switch for the TALEXcontrol LED C350-2 12-24 V / 350 mA 8 VA



Load switch allowed under any operating condition.

Connection technology
The wiring can be in flexible cable (without ferules) or solid with a cross section of 0.25 mm² to 0.75 mm². The wire cables have to be soldered onto the dedicated solder pads.

Soldering information
Soldering has to be done under voltage-free conditions. The soldering temperature shall be chosen between 270 and 320 °C.

Mounting instructions
The TALEXcontrol LED C350-2 has to be glued onto a plain carrier by using the pre-mounted adhesive tape on the back side of the module. The protective foil therefore has to be removed from the adhesive tape. The carrier area has to be properly cleaned with appropriate methods.

Carrier material
The mounting onto metal carrier is allowed.

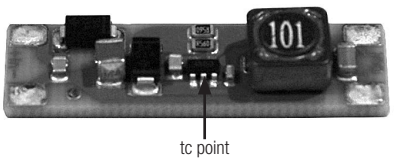
Dirt and humidity
The TALEXcontrol LED C350-2 has no dedicated protection against contamination or humidity. Protection against contamination and
humidity is within the responsibility of the OEM manufacturer.

EOS/ESD safety guidelines
The device / module contains components that are sensitive to electrostatic discharge and may only be installed in the factory and on site if appropriate EOS/ESD protection measures have been taken. No special measures need be taken for devices/ modules with enclosed casings (contact with the pc board not possible), just normal installation practice. Please note the requirements set out in the document EOS / ESD guidelines (Guideline_EOS_ESD.pdf) at: http://www.tridonic.com/com/en/technical-docs.asp

Safety switch off and SELV
Safety switch off and SELV have to be provided by the supplying converter unit. The use of TALEXconverter from TridonicAtco in combination with TALEXcontrol LED C350-2 ensures the required protection functionality.

Protection class
Suitable for use in protection class SK I and SK II luminaires.

Temperature ratings
The ambient operating temperature shall not exceed 50 °C.
The rated max. temperature tc must not exceed 80 °C under any operating conditions.



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