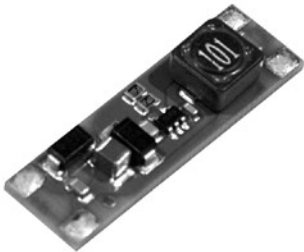
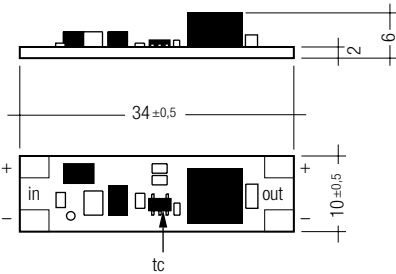


TALEXcontrol LED C350-2 12–24V_{DC} / 350 mA 8VA



- 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 12-24V _{DC} / 350 mA 8VA
article number		86458453
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} – 2V)
output power	W	8
max. power loss	W	0.65
max. cable length (converter → TALEX(module))	m	20
ambient temperature t _a	°C	-25 → +50
rated max. temperature t _c	°C	80
weight	g	2.5
dimensions LxWxH	mm	34 x 10 x 6

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

U _{in} = 24V _{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} = 12V _{DC} ①				
colour	P211/P211-2	P214	P215	P216
red, amber	1-4	n.A.	n.A.	n.A.
green, blue, white	1-3	–	–	–

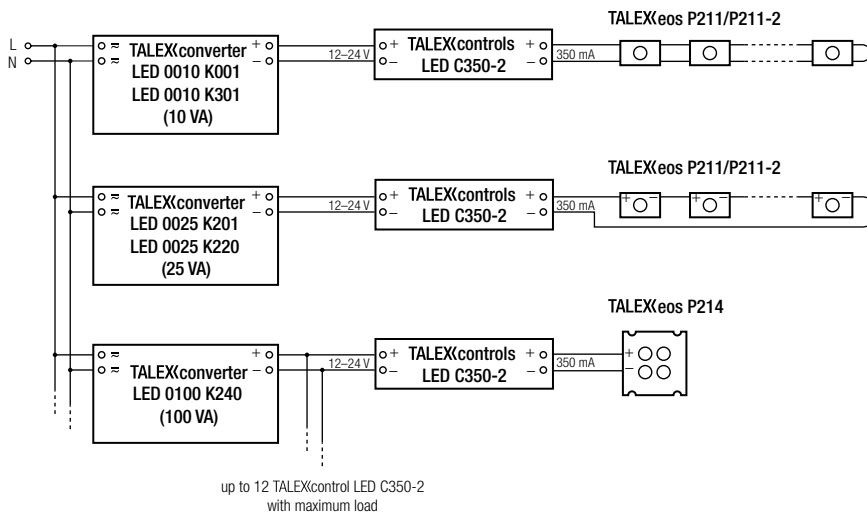
① Output voltage depending on supply voltage and the number of connected TALEX(module) (U_{in} – 2V).

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

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

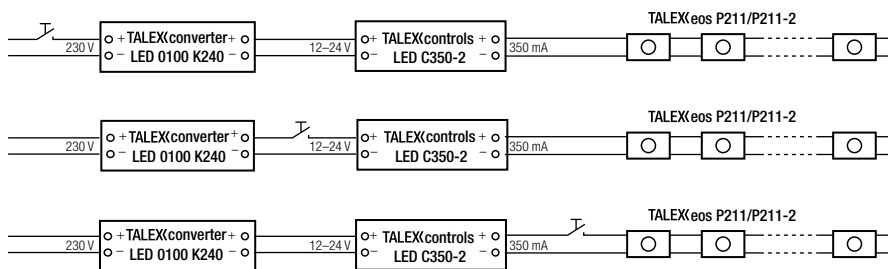
TALEXconverter	number of TALEXcontrol LED C350-2
K001; 12V/24V 10VA	1
K301; 12V/24V 10VA	1
K220; 12V/24V 25VA	3
K240; 12V/24V 100VA	12

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.



Protection against electrostatic discharge (EN61340-5-1/EN 61340-5-2)

The constant current source TALEXcontrol LED C350-2 contains electrostatic sensitive components. Measures for ESD protection have to be taken when mounting and assembling the module.



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 t_c must not exceed 80 °C under any operating conditions.

