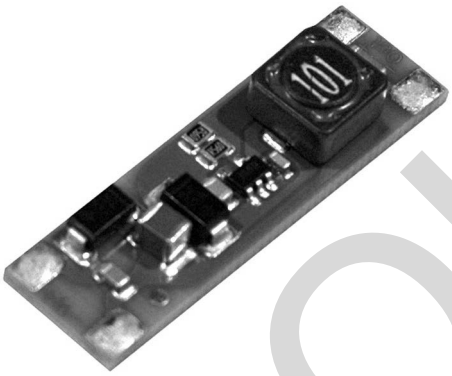
Control C350-2 12–24V DC / 350mA 8VA

Fixed output

Product description

- Constant current converter 350 mA for Module EOS
- Suitable for centrally supplied LED installations
- Compact dimensions
- Simple installation thanks to pre-fitted adhesive tape
- No-load and overtemperature protection
- Connection: solder points
- Suitable for mounting on Tridonic profiles
- Mounting with premounted thermally conductive adhesive tape



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EAC CE RoHS

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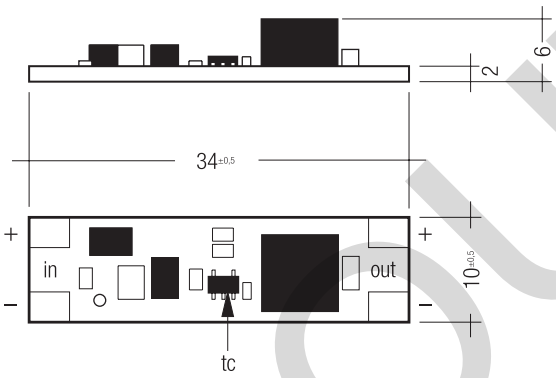
Technical data

DC voltage range	12 – 24 V
Max. input voltage DC	29 V
Efficiency	> 85 %
Output voltage①	max. 22 V (Uin – 2 V)
Output power	8 W
Max. power loss	0.65 W
Output current	0.35 A
Max. cable length (LED Driver – LED module)	20 m
Ambient temperature ta	-25 … +50 °C
Max. casing temperature	80 °C
Dimensions L x W x H	34 x 10 x 6 mm



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C350-2 12-24VDC	**28000872**	50 pc(s).	0.004 kg

① Output voltage depends on supply voltage and the number of conected Modules (Uin – 2 V).

Standards
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384

Possible number of eos modules connected to control 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]

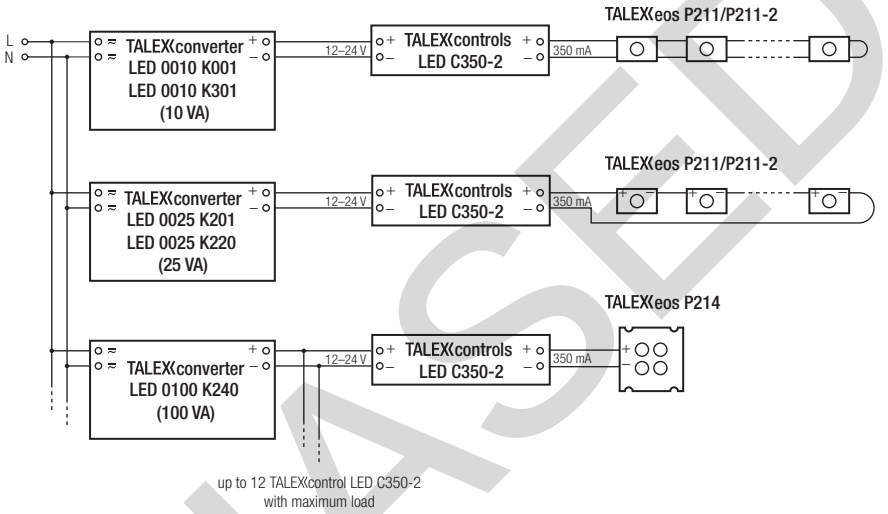
colour	P211/P211-2	P214	P215	P216
red, amber	1-4	n. A.	n. A.	n. A.
green, blue, white	1-3	–	–	–

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

Possible number of control LED C350-2 12-24 V / 350 mA 8 VA connected to TridonicAtco converter Numbers valid for full loaded control LED C350-2 (8 VA)

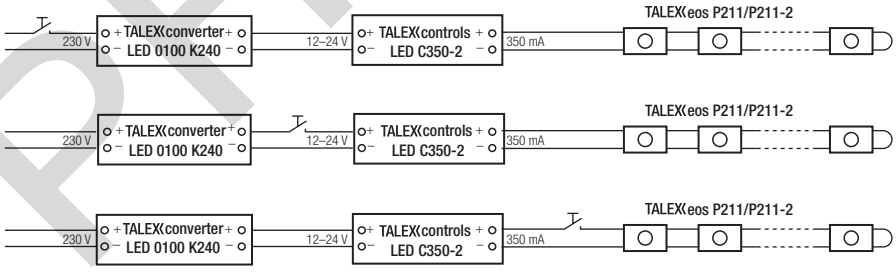
converter	number of control LED C350-2
K001; 12 V / 24 V 10 VA	1
K301; 12 V / 24 V 10 VA	1
K220; 12 V / 24 V 25 VA	3
K240; 12 V / 24 V 100 VA	12

Example wiring diagram control LED C350-2 with eos modules



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

Connection of an on/off switch for the control 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 control 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 control LED C350-2 has no dedicated protection against contamination or humidity. Protection against contamination and humidity is within the responsibility of the OEM manufacturer.

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 converter from TridonicAtco in combination with control 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.