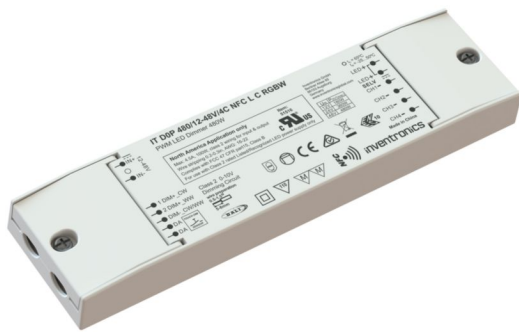


## IT D0P 480/12-48V/4C NFC L C RGBW



### Product family features

- Intelligent digital dimmer (DALI) with constant output voltage
- 12...48 V input / output compatible
- Max. output power up to 480 W
- Dimming range: 0-0,1...100 %
- Multi-channel output
- NFC programmability

### Product family benefits

- Very precise dimming thanks to digital light control
- Multiple channel output
- Multiple dimming protocols: DALI-2, 0-10V, 1-10V, PWM
- DALI-2 certified incl. Parts 251, 252, 253
- DALI DT6 and DT8 operations

## Areas of application

- Suitable for indoor installations
- Independent installation

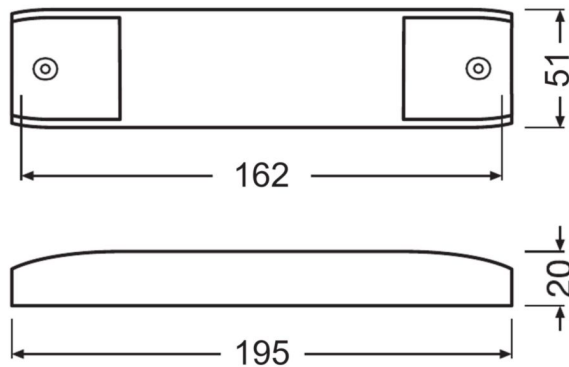
## Technical data

### Electrical data

<b>Nominal input voltage</b>	12...48 V
<b>Mains frequency</b>	0 Hz
<b>Input voltage DC</b>	11...54 V
<b>Nominal output voltage</b>	12...48 V
<b>Output PSTLM</b>	$\leq 1$ <sup>1)</sup>
<b>Output SVM</b>	$< 0.4$ <sup>1)</sup>
<b>Nominal output power</b>	480 W
<b>Maximum output power</b>	480 W
<b>Galvanic isolation</b>	SELV
<b>Galvanic isolation DALI/output</b>	Reinforced
<b>Networked standby power</b>	$< 1.20$ W

1) for dim levels down to 5%

## Dimensions & weight



<b>Length US</b>	7.13 in
<b>Width US</b>	1.65 in
<b>Height US</b>	0.79 in
<b>Mounting hole spacing, length</b>	162.0 mm
<b>Cable cross-section, input side US</b>	0.00077500155...0.00232500465 in <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	9.0...10.0 mm
<b>Wire preparation length, output side</b>	6.0...7.0 mm
<b>Product weight US</b>	4.55 oz

## Colors & materials

<b>Casing material</b>	Plastic
<b>Product color</b>	White

## Temperatures & operating conditions

<b>Ambient temperature range US</b>	-13...+122 °F
<b>Maximum temperature at tc test point</b>	65 °C
<b>Max.housing temperature in case of fault</b>	100 °C
<b>Temperature range at storage US</b>	-13...+185 °F
<b>Permitted rel. humidity during operation</b>	5...85 %

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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1) @ Tc max, 10% failure rate

## Capabilities

<b>Dimmable</b>	Yes
<b>Dimming interface</b>	1...10 V / DALI-2 / 0-10V / PWM
<b>Dimming range</b>	0.1...100 %
<b>Dimming method</b>	Pulse Width Modulation
<b>DALI-2 Diagnostic Data</b>	Yes
<b>DALI-2 Energy Data</b>	Yes
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Type of connection, input side</b>	Screw terminal
<b>Type of connection, output side</b>	Screw terminal
<b>Number of channels</b>	4
<b>Overheating protection</b>	Yes, auto reversible
<b>Overload protection</b>	Yes, auto reversible
<b>Short-circuit protection</b>	Yes, auto reversible
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes

## Certificates & standards

Approval marks – approval	CE / ENEC 10 / BIS / MM / UL / RCM / FCC
Standards	EN 55015 / EN 61547 / EN 61347-1 / EN 61347-2-13 / CISPR 15 / EN 60598-1 / EN 62384
Type of protection	IP20

## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	11-02-2026
Primary Article Identifier	6937186134127
Declaration No. in SCIP database	In work
SCIP_ID	

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## Download Data

File		
Product Datasheet	PDF	▶IT D0P 480 12 48V 4C NFC L C RGBW 6937186134127 TDS 310326
User instruction	PDF	▶IT D0P 48012 48V4C NFC L C RGBW 15132036 210126

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186134127 INVENTRONICS	IT D0P 480/12-48V/4C NFC L C RGBW	Shipping carton box 20 Pieces	8.27 x 8.27 x 4.72 in	0.19 ft <sup>3</sup>	4.91 oz

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit