



**2023 | 2024**

ELECTRONICS, LED & MORE

# OUR IDENTITY

## Electronics and led since 1989

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**Entity è un'azienda internazionale che progetta e realizza schede elettroniche in ambito industriale e lighting, promuovendo i valori distintivi del Made in Italy dal 1989.**

**Progettazione Hardware e Software, Ricerca e Sviluppo, Prototipazione, accurati Test e Collaudi, fino alla Produzione in serie sono i passaggi fondamentali di un Servizio a 360°, che da sempre la contraddistingue. Queste caratteristiche sono riconosciute e testimoniate anche dalle diverse partnership con aziende prestigiose.**

**Entity ha messo le proprie radici più di 30 anni fa e da allora, ogni giorno, raccoglie e fa crescere le idee dei suoi clienti, perché il loro successo è anche il proprio.**

Entity is an international company that designs and produces electronic boards for industrial use and lighting, promoting the distinctive values of Made in Italy since 1989.

Hardware and Software Design, Research and Development, Prototyping, accurate Testing and Inspection, Production: these are the main steps of the all-encompassing service that has always distinguished the company. These characteristics are confirmed by the Partnerships with some of the most prestigious companies.

Entity put down its roots more than 30 years ago and since then it has been gathering and developing the customers' ideas, as strongly convinced that their success is also its own.



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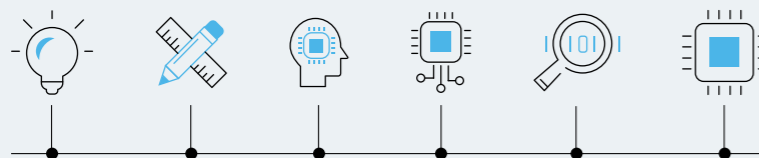

STEFANO CAVAGGION / CEO

# CUSTOMIZATION

We realize **your** ideas

Quello che da sempre contraddistingue l'azienda è il servizio di co-engineering che consente di collaborare a stretto contatto con i clienti per offrire soluzioni tecniche personalizzate.

The company has always stood out for its co-engineering service, which allows to cooperate closely with customers to offer original technical solutions in defining projects.





01

## PROJECT DEFINITION

In accordo con il cliente, definizione delle specifiche/obiettivi.

In agreement with the customer, specifications/goals definition.

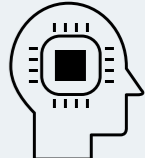


02

## HARDWARE & SOFTWARE DESIGN

Stesura del progetto e studio delle possibili soluzioni adottabili.

Drawing up the project and analysing the possible solutions to be implemented.

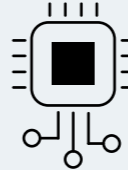


03

## MASTER & ENGINEERING

Fase di sviluppo del prodotto, stesura dello schema elettrico e progettazione CAD del master del circuito stampato.

Product development phase, drawing up the electrical diagram and CAD designing of the printed circuit master.




04

## PCB ASSEMBLY

Approvvigionamento dei materiali e start-up della produzione campioni.

Procurement of materials and prototypes production start-up.

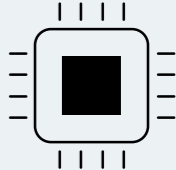


05

## TESTS & INSPECTIONS

I campioni vengono testati in azienda e, una volta rilasciati, consegnati al cliente per la validazione sul campo di applicazione.

The prototypes are tested and, when released, delivered to the customer in order to perform final product testing in the application field.



06

## MASS PRODUCTION

Ad approvazione campioni, avvio della produzione.

After prototypes approval, mass production start-up.

# QUALITY

## Passion for excellence

La qualità coinvolge ogni aspetto aziendale: dalla scelta dei macchinari, alla scelta e selezione dei migliori componenti presenti nel mercato, al controllo delle varie fasi del processo produttivo, alla qualità dei servizi erogati, al personale altamente qualificato. Questo è il principale vantaggio che le riconosce il mercato.

Quality involves every aspect of the company: from the choice of machineries to the selection of the best components available in the market, the control of the various phases of the production process, the quality of the services provided and the highly qualified personnel. This is the major competitive advantage which the market appreciates.



# CERTIFICATIONS

## High standards for products



I prodotti Entity rispettano i criteri di progettazione ecocompatibile (Ecodesign) ed i regolamenti introdotti dall'Unione Europea.



Tutte le informazioni relative le sorgenti luminose presenti sul mercato sono raccolte in modo centralizzato sul database EPREL.

The Entity's products are designed following ecodesign criteria introduced by the European Union.

All relevant information for the light sources on the market are registered on the EPREL database.



# PARTNERS

## Growth through cooperation



Entity è parte del "Arrow Partner Program EMEA" - il network delle migliori società di progettazione tecnica accreditate da Arrow - per supportare i clienti nella realizzazione di **progetti complessi grazie anche al canale mondiale di professionisti** al quale è possibile avere accesso.

In un mercato sempre più competitivo, in cui gran parte delle innovazioni avvengono a livello software, potersi affidare ad una rete di aziende pre-selezionate da Arrow costituisce un importante vantaggio e consente di collaborare con i migliori design partners, avvalendosi delle ultime applicazioni e tecnologie per la massima ottimizzazione e velocizzazione dei cicli di progettazione per l'immissione nel mercato di nuove soluzioni e prodotti.

Entity is part of the "Arrow Partner Program EMEA" - Arrow's accredited network of best companies in technical design - to support clients and deliver **high level projects also making use of the worldwide channel** to which it is possible to have access to.

In a market always more competitive where the majority of innovations happen at a software, connection and security level, being able to rely on a network of companies pre-selected by Arrow, represent an extremely important advantage and allow for best collaboration amongst partners, by using the latest applications and technologies for maximum optimisation and by speeding up the design cycle to release new solutions and products into the market.

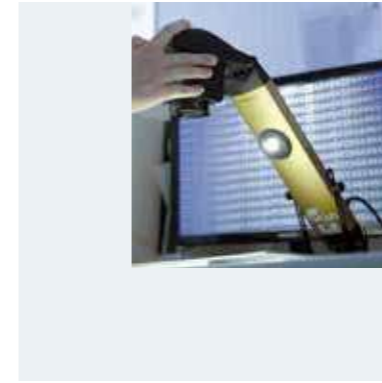


# PRODUCTION

## Technology and knowledge

Il reparto produttivo vanta macchinari ed attrezzatura di ultima generazione e si avvale del supporto di personale altamente qualificato.

The production department boasts state-of-the-art machinery and equipment and avails itself of the support of highly qualified personnel.



## TESTS & INSPECTIONS

Al termine del ciclo produttivo sono previsti i seguenti controlli, seguiti da **personale IPC qualificato**:

- **ispezione ottica con macchina AOI 3D**, per garantire la massima qualità costruttiva del prodotto;
- **ispezione con macchina X-RAY sulle saldature** a campione;
- **sul 100% della produzione vengono eseguiti test funzionali e/o controlli personalizzati** quando necessari e/o quando richiesti dal cliente.

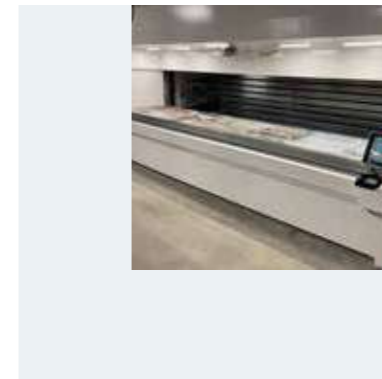
At the end of the production cycle, **qualified IPC personnel** carries out the following checks:

- **AOI 3D machine for optical inspection**, to ensure the constructive quality of the product;
- **X-RAY soldering inspection** randomly;
- **functional tests and/or customized checks are carried out on 100% of production.**

## WAREHOUSE

La recente introduzione di magazzini verticali automatici, consentono di velocizzare ed ottimizzare i processi di picking. LED e PCB, gestiti tramite metodo FIFO, sono stoccati in ambiente climatizzato e debitamente tracciati (barcode) per garantire la durata di vita e specifiche del prodotto.

The recent acquisition of vertical storage systems allows to speed up and optimize the picking process. LEDs and PCBs, managed through FIFO method, are stored in an air-conditioned environment and duly tracked (barcode) to guarantee the lifetime and product specifications.



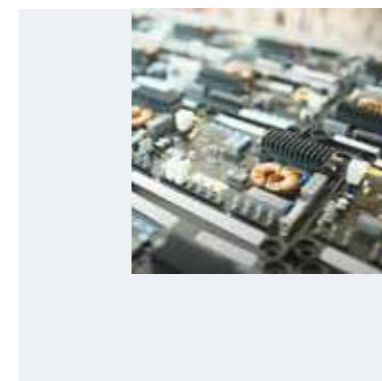
## CONFORMAL COATING & RESIN

Entity offre il servizio di resinatura delle proprie schede:

- **Camera di verniciatura controllata PVA attrezzata per il trattamento di Conformal Coating**; il processo consiste nell'applicare un materiale di rivestimento conforme ai circuiti elettronici che funge da protezione contro umidità, polvere, sostanze chimiche e temperature estreme.
- **Linee automatiche per la resinatura** dei prodotti (IP65-IP68).

Entity offers the resin coating service for its boards:

- **Painting room controlled PVA for Conformal Coating treatment**, which consists in applying a coating material that will act as protection against moisture, dust, chemical substances and extreme temperatures.
- **Automatic lines for the resin process** (IP65-IP68).



## SMT DEPT.

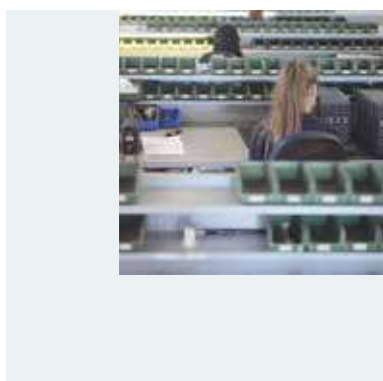
- **Tre linee automatiche di assemblaggio complete di:** caricatore, serigrafica, Pick&Place Yamaha, unloader e forno di rifusione. Pick&Place dotate di caricatori elettrici per una maggiore rapidità e precisione e nozzles ammortizzati con anelli in ceramica specifici per la manipolazione dei LED. Una linea per il montaggio di schede con lunghezza fino a 1200mm.
- **Una Pick&Place dedicata per prototipazione rapida SMT.**
- **Three automatic assembly lines complete of:** loader, silk screen machine, Yamaha Pick&Place, unloader and reflow furnace. Pick&Place equipped with electrical chargers for a major speed and accuracy and amortized nozzles with ceramic rings specific for the handling of the LEDs. A line for boards up to 1200mm length.
- **Dedicated machine for SMT prototyping.**



## PTH DEPT.

Il reparto di montaggio tradizionale PTH (Pin Through Hole) dispone di attrezzature automatiche per il montaggio di componenti e banchi per il montaggio manuale dove il personale altamente qualificato lavora garantendo la massima qualità e precisione di montaggio.

The traditional PTH assembly department (Pin Through Hole) has automatic equipments for the installation of components and benches for manual assembly where the highly qualified staff works ensuring the highest quality and precision.





# APPLICATIONS

## LIGHTING

indoor

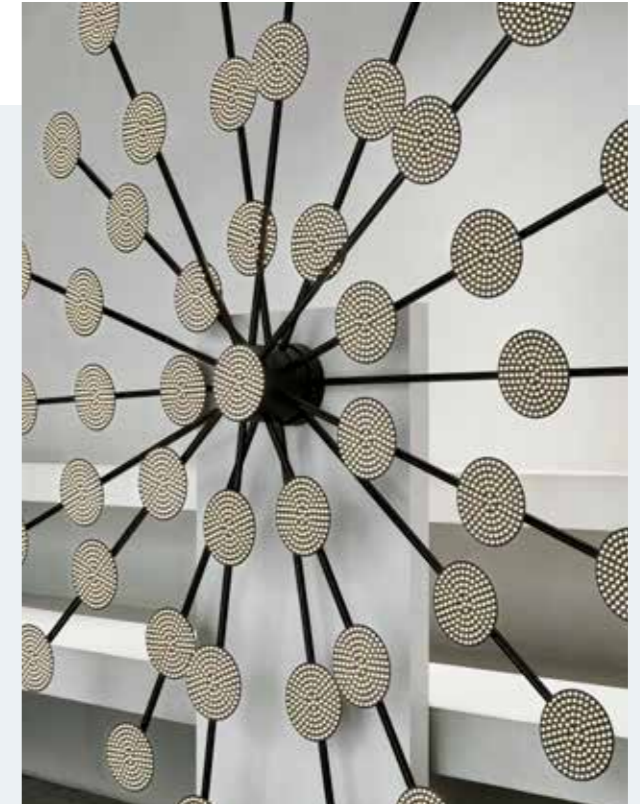
outdoor

architectural  
 decorative  
 technical  
 entertainment  
 retail & merchandising  
 office  
 museums  
 historical buildings  
 hospitality  
 public  
 healthcare  
 residential  
 ho.re.ca.

street  
 roadway & parking  
 landscape  
 signs  
 urban

## SPECIALTY & SECTORS

vehicle  
 horticulture  
 food  
 uv-c  
 underwater  
 emergency  
 graphic & printing  
 health  
 furniture



# INDEX

## 14 coreled

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## 18 electronics for led

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FOR 230V TRACKS	20
FOR LV TRACKS	22
WI-FI & BLE CONTROLLERS	52
LIGHT CONTROLLERS	62
DC DC CONVERTERS	76
DIMMERS	98

## 110 led

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LED MODULES	112
FLEX STRIPS	130
LED PRODUCTS	142
SPECIALTY	150

# CORELED





# CORELED PATENTED

ALL YOU NEED TO DO IS DRESS UP YOUR LAMP

## CORELED PATENTED

Entity presenta CORELED, un innovativo modulo LED completo di driver DALI, dissipatore, LED, relativa lente e connettori. Il tempo che era prima necessario alla ricerca delle varie componenti, serve ora a dare spazio alla creatività. Le dimensioni contenute offrono l'opportunità di realizzare design miniaturizzati garantendo, inoltre, una sensibile riduzione dei costi e tempi di assemblaggio. Una soluzione finita attorno alla quale poter progettare la propria lampada o soluzione illuminotecnica. All you need to do is dress up your lamp! | Entity presents CORELED, an innovative LED module complete of DALI driver, heat sink, LED, related lens and connectors. The time for researching and testing the various components, serve now to leave space for creativity. The small size offers the opportunity to create unlimited and miniaturized designs; assembly times and costs come significantly reduced. A complete solution around which designing your lamp or lighting solution. All you need to do is dress up your lamp!



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (programmable through DALI master)
<b>Output range</b>	5Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Power</b>	5W max @700mA
<b>Light output</b>	530lm
<b>LED type</b>	CREE™ J5050
<b>Nr. of LEDs</b>	1
<b>CCT</b>	2700K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Highlights</b>	protections against: voltage spikes - bus short circuit.
<b>Accessories</b>	connectors - lens 9,6°-25°-40°
<b>Dimensions</b>	61,6xØ21mm
<b>Approval marks</b>	<small>PATENTED</small> <small>DALI</small>

**Dissipatore con driver DALI integrato**  
Heat sink with integrated DALI driver



**Connettori per DALI ed alimentazione 24V-48V**  
Connectors for DALI and power line 24V-48V

**Modulo LED 5W, 600lm ≈ con lente integrata**  
LED module 5W, 600lm ≈ with integrated lens

**ORDERING CODE**

1200CORELED-2770-01-24	24V, no lens
1200CORELED-2770-S-24	24V, 9,6° lens
1200CORELED-2770-M-24	24V, 25° lens
1200CORELED-2770-L-24	24V, 40° lens
1200CORELED-2770-01	48V, no lens
200CORELED-2770-S	48V, 9,6° lens
1200CORELED-2770-M	48V, 25° lens
200CORELED-2770-L	48V, 40° lens

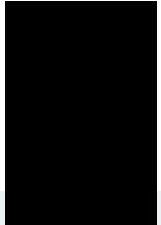
**1 Lampade in generale**  
Lamps in general



**2 Binari a bassa tensione**  
Low voltage tracks STUCCHI micro



SCAN AND WATCH THE VIDEO



# ELECTRONICS FOR LED

FOR 230V TRACKS 20

FOR LV TRACKS 22

WI-FI & BLE CONTROLLERS 52

LIGHT CONTROLLERS 62

DC DC CONVERTERS 76

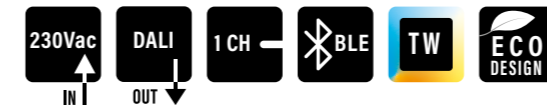
DIMMERS 98

# EN1977 CASAMBI-DALI GATEWAY 230V



## EN1977 CASAMBI-DALI GATEWAY 230V

Entity presenta EN1977 CASAMBI-DALI GATEWAY 230V, un'innovativa interfaccia CASAMBI per il controllo di lampade DALI su sistemi di illuminazione a binario 230V ONETRACK® di A.A.G Stucchi. Il dispositivo è installato all'interno degli appositi adattatori serie 9999-DRI ONETRACK® dalle dimensioni estremamente ridotte ed a scomparsa. | Entity presents EN1977 CASAMBI-DALI GATEWAY 230V, an innovative CASAMBI interface for the control of DALI fixtures over 230V tracks ONETRACK® by A.A.G Stucchi. The device is installed into the new range of concealed adapters 9999-DRI series for the ONETRACK® family which are very small and disappear completely inside the track.

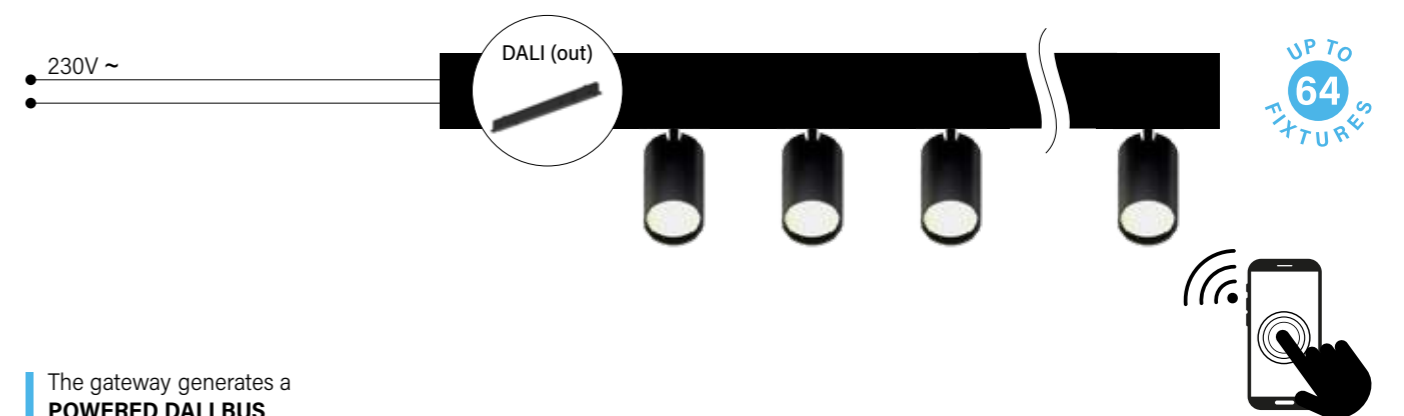


CASAMBI

<b>Input</b>	230Vac
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	10W
<b>Highlights</b>	protections against: voltage spikes - bus short circuit. DALI-2 compatible
<b>Accessories</b>	A.A.G. Stucchi adapter (9999-DRI series)
<b>Dimensions</b>	363,5x32,9mm (A.A.G. Stucchi adapter)
<b>Approval marks</b>	-

**ORDERING CODE**

1200EN1977-CAS-00	black
1200EN1977-CAS-01	white



The gateway generates a **POWERED DALI BUS** to lighting fixtures on track

electronics for led  
**FOR LV TRACKS**



**TABLE OF CONTENTS**

MULTIDRIVER48	24
MICRODRIVER48	38
CONTROLLERS	46
OPTO-ISOLATORS	51



# MULTIDRIVER48

## FOR A.A.G. STUCCHI LOW VOLTAGE TRACKS EVO

### MULTIDRIVER48



Entity vanta la più ampia gamma di driver 24-48V - MULTIDRIVER48 - ideali per binari a bassa tensione A.A.G. Stucchi Evolution con versioni DALI-2, 0-10V, 1-10V, on/off, Bluetooth (Casambi), bianco dinamico DT8, dim to warm con una o due uscite in corrente costante o tensione costante.

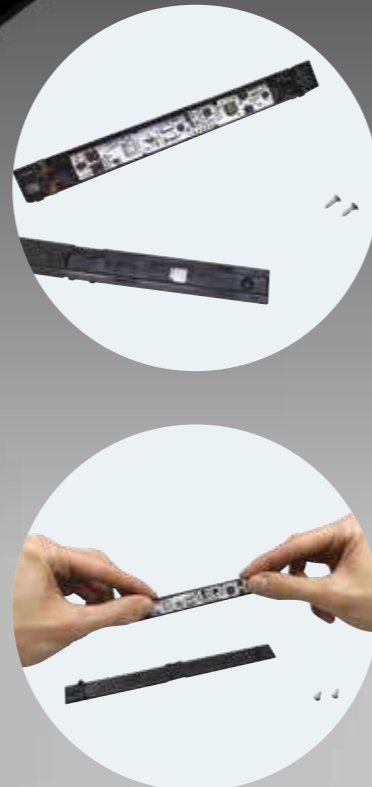
Entity offers the wider range of 24-48V drivers - MULTIDRIVER48 - ideal for the A.A.G. Stucchi's low voltage tracks Evolution with versions DALI-2, 0-10V, 1-10V, on/off, Bluetooth (Casambi), tunable white DT8, dim to warm, with one or two constant current or constant voltage outputs.

#### CARATTERISTICHE PRINCIPALI

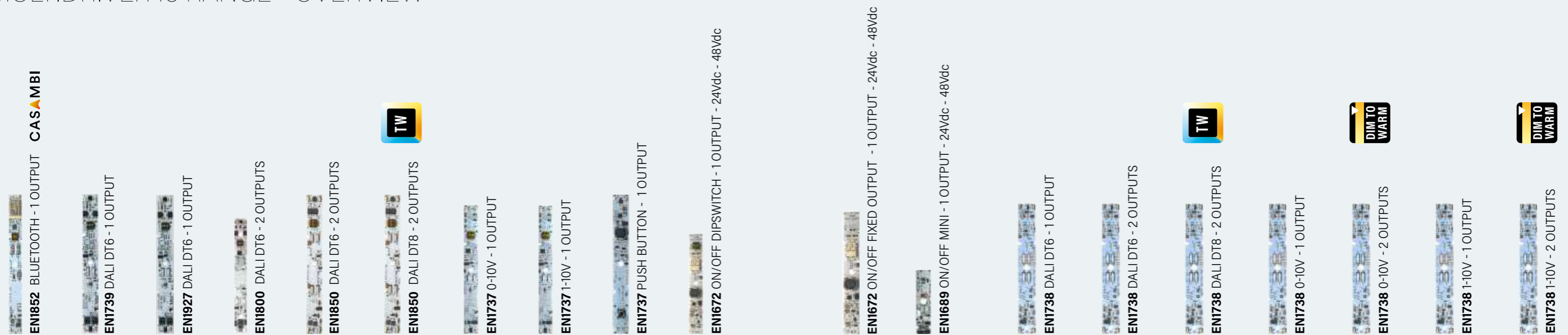
- Range di funzionamento in uscita 1V - 43V
- Ingresso non polarizzato
- Protezione contro i picchi di tensione
- Protezione termica
- Protezione contro i sovraccarichi
- Circuito per inserimenti a caldo (hot-swap)
- Precisione della corrente in uscita +/- 1,5%
- Flicker free
- Ingresso DALI protetto fino a 60V
- Range dimmerazione da 0% 100%

#### MAIN SPECIFICATIONS

- Output operating range 1V - 43V
- Not polarized input
- Protection against mains voltage spikes
- Protection against overheating
- Protection against overloads
- Circuit for hot insertion (hot-swap)
- Precision of the output current +/- 1,5%
- Flicker free
- DALI input protected up to 60V
- Dimming from 0% to 100%



### MULTIDRIVER48 RANGE - OVERVIEW



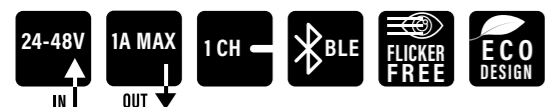
CONSTANT CURRENT OUTPUT/S

CONSTANT VOLTAGE OUTPUT/S



## EN1852 CASAMBI ask for EN2009 temporary solution

**Driver con modulo Casambi integrato ed uscita programmabile in corrente costante** | Driver with integrated Casambi module and programmable constant current output.



### CASAMBI


<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Command</b>	Casambi
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	-

**ORDERING CODE**  
1200EN1852-000-0-00BLV48  
1200EN1852-000-C-00BLV48 with cables

## EN1739 DALI

**Driver DALI con uscita programmabile in corrente costante** | DALI driver with programmable constant current output.

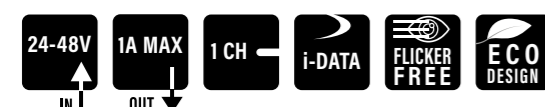



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1739-5DS-0-DALIM00  
1200EN1739-5DS-C-DALIM00 with cables

## EN1927 D4i DALI DRIVER FOR INTELLIGENT LUMINAIRES

**Entity presenta il primo driver LED compatibile D4i - il nuovo standard DALI per applicazioni intelligenti. I dispositivi LED progettati secondo lo standard D4i (DALI parte 251, parte 252 e parte 253) forniscono informazioni centralizzate e consentono di rilevare dati in tempo reale come consumo energetico, durata di esercizio e temperatura. Un altro importante passo verso l'integrazione dei prodotti nell'Internet delle cose (IoT) ed il controllo wireless degli apparecchi di illuminazione.** | Entity presents the first LED driver D4i compatible - the new DALI standard for intelligent applications. LED luminaires designed according to the D4i standard (DALI part 251, part 252 and part 253) provide you with centralized information and deliver luminaire status in real time as energy consumption, operating time and temperature. Another important step towards the integration of products into the Internet of Things (IoT) and the wireless control of luminaires.




<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	 D4i compatible Smart Data features DALI 251-252-253

**ORDERING CODE**  
1200EN1927-0-0-R5-DD  
1200EN1927-C-0-R5-DD with cables

## EN1927 DALI temporary solution

**Driver DALI con uscita programmabile in corrente costante** | DALI driver with programmable constant current output.






<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1927-0-0  
1200EN1927-C-0 with cables

## EN1800 DALI DT6 2CH ask for EN2016 temporary solution

**Driver DALI, due uscite collegabili in serie o parallelo, programmabili in corrente costante. Un indirizzo DALI e controllo di due spot contemporaneamente. Sviluppato per adattatori "doppio faretto" A.A.G. Stucchi** | DALI driver, two output channels with series or parallel connection, with programmable constant current outputs. One DALI address and control of the two spotlights simultaneously. Designed for A.A.G. Stucchi's double spot adapters.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	2
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	  




### ORDERING CODE

1200EN1800-00I-0-DALIV48	series
1200EN1800-00H-0-DALIV48	parallel
1200EN1800-00I-C-DALIV48	series, with cables
1200EN1800-00H-C-DALIV48	parallel, with cables

## EN1850 DALI DT6 2CH ask for EN1850 R4 temporary solution

**Driver DALI programmabile in corrente costante. Due indirizzi DALI e controllo indipendente di due spot** | DALI driver with programmable constant current outputs. Two DALI addresses and control of two independent spotlights.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	2
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	  


### ORDERING CODE

1200EN1850-DT6-00	
1200EN1850-DT6-01	with cables

## EN1850 DALI DT8 2CH ask for EN1850 R4 temporary solution

**Driver DALI programmabile in corrente costante. Un indirizzo DALI e controllo indipendente di due canali, funzione bianco dinamico** | DALI driver with programmable constant current outputs. One DALI address and control of two independent channels, tunable white function.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	2
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	



### ORDERING CODE

1200EN1850-DT8-00	
1200EN1850-DT8-01	with cables

## EN1737 0-10V ask for EN1935 temporary solution

**Driver 0-10V con uscita programmabile in corrente costante** | 0-10V driver with programmable constant current output.




<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	0-10V
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	 

### ORDERING CODE


1200EN1737-IDS-0-0010M00	
1200EN1737-IDS-C-0010M00	with cables

## EN1737 1-10V

 ask for EN1935 temporary solution


**Driver 1-10V con uscita programmabile in corrente costante** | 1-10V driver with programmable constant current output.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	1-10V
<b>Dimming</b>	10%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	


**ORDERING CODE**  
1200EN1737-IDS-0-0110M00  
1200EN1737-IDS-C-0110M00 with cables

## EN1737 PUSH BUTTON

 ask for EN1935 temporary solution

**Driver con uscita programmabile in corrente costante e pulsante integrato per accensione/spegnimento/dimmerazione** | Driver with programmable constant current output and integrated push button to switch on/off and dim.




<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	116x13mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1737-IDS-0-00BUM00  
1200EN1737-IDS-C-00BUM00 with cables

## EN1672 ON/OFF 48V

**Driver on/off con uscita programmabile in corrente costante** | On/off driver with programmable constant current output.




<b>Input</b>	48Vdc
<b>Output</b>	1000mA max (Dip-switch) - see ordering code
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1672-100-0-0000C60 150mA/300mA/450mA/600mA  
1200EN1672-100-0-0000C90 225mA/450mA/675mA/900mA  
1200EN1672-100-0-0000M00 250mA/500mA/750mA/1000mA  
1200EN1672-100-C-0000C60 150mA/300mA/450mA/600mA, with cables  
1200EN1672-100-C-0000C90 225mA/450mA/675mA/900mA, with cables  
1200EN1672-100-C-0000M00 250mA/500mA/750mA/1000mA, with cables

## EN1672 ON/OFF 48V FIXED OUTPUT

**Driver on/off con uscita in corrente costante** | On/off driver with constant current output.



<b>Input</b>	48Vdc
<b>Output</b>	150mA-250mA-350mA-500mA-700mA-1000mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1672-200-0-0000C15 150mA 1200EN1672-200-C-0000C15 150mA, with cables  
1200EN1672-200-0-0000C25 250mA 1200EN1672-200-C-0000C25 250mA, with cables  
1200EN1672-200-0-0000C35 350mA 1200EN1672-200-C-0000C35 350mA, with cables  
1200EN1672-200-0-0000C50 500mA 1200EN1672-200-C-0000C50 500mA, with cables  
1200EN1672-200-0-0000C70 700mA 1200EN1672-200-C-0000C70 700mA, with cables  
1200EN1672-200-0-0000M00 1000mA 1200EN1672-200-C-0000M00 1000mA, with cables

## EN1689 ON/OFF 48V MINI

Driver on/off con uscita in corrente costante | On/off driver with constant current output.



<b>Input</b>	48Vdc
<b>Output</b>	150mA-250mA-350mA-500mA-600mA-700mA-1000mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	55,9x13mm
<b>Approval marks</b>	-

ORDERING CODE			
1200EN1689-000-0-0000C15	150mA	1200EN1689-000-C-0000C15	150mA, with cables
1200EN1689-000-0-0000C25	250mA	1200EN1689-000-C-0000C25	250mA, with cables
1200EN1689-000-0-0000C35	350mA	1200EN1689-000-C-0000C35	350mA, with cables
1200EN1689-000-0-0000C50	500mA	1200EN1689-000-C-0000C50	500mA, with cables
1200EN1689-000-0-0000C60	600mA	1200EN1689-000-C-0000C60	600mA, with cables
1200EN1689-000-0-0000C70	700mA	1200EN1689-000-C-0000C70	700mA, with cables
1200EN1689-000-0-0000M00	1000mA	1200EN1689-000-C-0000M00	1000mA, with cables

## EN1689 ON/OFF 24V MINI

Driver on/off con uscita in corrente costante | On/off driver with constant current output.



<b>Input</b>	24Vdc
<b>Output</b>	150mA-250mA-350mA-500mA-600mA-700mA-1000mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	55,9x13mm
<b>Approval marks</b>	-

ORDERING CODE			
1200EN1689-V24-0-0C15	150mA	1200EN1689-V24-C-0C15	150mA, with cables
1200EN1689-V24-0-0C25	250mA	1200EN1689-V24-C-0C25	250mA, with cables
1200EN1689-V24-0-0C35	350mA	1200EN1689-V24-C-0C35	350mA, with cables
1200EN1689-V24-0-0C50	500mA	1200EN1689-V24-C-0C50	500mA, with cables
1200EN1689-V24-0-0C60	600mA	1200EN1689-V24-C-0C60	600mA, with cables
1200EN1689-V24-0-0C70	700mA	1200EN1689-V24-C-0C70	700mA, with cables
1200EN1689-V24-0-0M00	1000mA	1200EN1689-V24-C-0M00	1000mA, with cables

## EN1672 ON/OFF 24V FIXED OUTPUT

Driver on/off con uscita in corrente costante | On/off driver with constant current output.



<b>Input</b>	24Vdc
<b>Output</b>	150mA-250mA-350mA-500mA-700mA-1000mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	




ORDERING CODE			
1200EN1672-V24-0-20-0C15	150mA	1200EN1672-V24-C-20-0C15	150mA, with cables
1200EN1672-V24-0-20-0C25	250mA	1200EN1672-V24-C-20-0C25	250mA, with cables
1200EN1672-V24-0-20-0C35	350mA	1200EN1672-V24-C-20-0C35	350mA, with cables
1200EN1672-V24-0-20-0C50	500mA	1200EN1672-V24-C-20-0C50	500mA, with cables
1200EN1672-V24-0-20-0C70	700mA	1200EN1672-V24-C-20-0C70	700mA, with cables
1200EN1672-V24-0-20-0M00	1000mA	1200EN1672-V24-C-20-0M00	1000mA, with cables



## EN1738 DALI

Driver di tensione DALI con una uscita | Voltage DALI driver with one output channel.






<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	1
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	  

**ORDERING CODE**  
1200EN1738-10N-0-DALIV48  
1200EN1738-10N-C-DALIV48 with cables

## EN1738 DALI DT8 2CH

Driver di tensione DALI DT8 con due uscite. Un indirizzo DALI e controllo indipendente di due canali, funzione bianco dinamico | Voltage DALI DT8 driver with two output channels. One DALI address and control of two independent channels, tunable white function.






<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	  

**ORDERING CODE**  
1200EN1738-00N-0-DALIV48  
1200EN1738-00N-C-DALIV48 with cables

## EN1738 DALI DT6 2CH

Driver di tensione DALI con due uscite. Due indirizzi DALI e controllo indipendente di due spot | Voltage DALI DT6 driver with two output channels. Two DALI addresses and control of two independent spotlights.





<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	  

**ORDERING CODE**  
1200EN1738-20N-0-DALIV48  
1200EN1738-20N-C-DALIV48 with cables

## EN1738 0-10V

Driver di tensione 0-10V con una uscita | Voltage 0-10V driver with one output channel.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	1
<b>Bus</b>	0-10V
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	 

**ORDERING CODE**  
1200EN1738-10N-0-0010V48  
1200EN1738-10N-C-0010V48 with cables



## EN1738 0-10V 2CH

Driver di tensione 0-10V con due uscite, funzione dim to warm | Voltage 0-10V driver with two output channels, dim to warm function.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	2
<b>Bus</b>	0-10V
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	

### ORDERING CODE

1200EN1738-00N-0-0010V48  
1200EN1738-00N-C-0010V48 with cables

## EN1738 1-10V 2CH

Driver di tensione 1-10V con due uscite, funzione dim to warm | Voltage 1-10V driver with two output channels, dim to warm function.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	2
<b>Bus</b>	1-10V
<b>Dimming</b>	10%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	

### ORDERING CODE

1200EN1738-00N-0-0110V48  
1200EN1738-00N-C-0110V48 with cables

## EN1738 1-10V

Driver di tensione 1-10V con una uscita | Voltage 1-10V driver with one output channel.



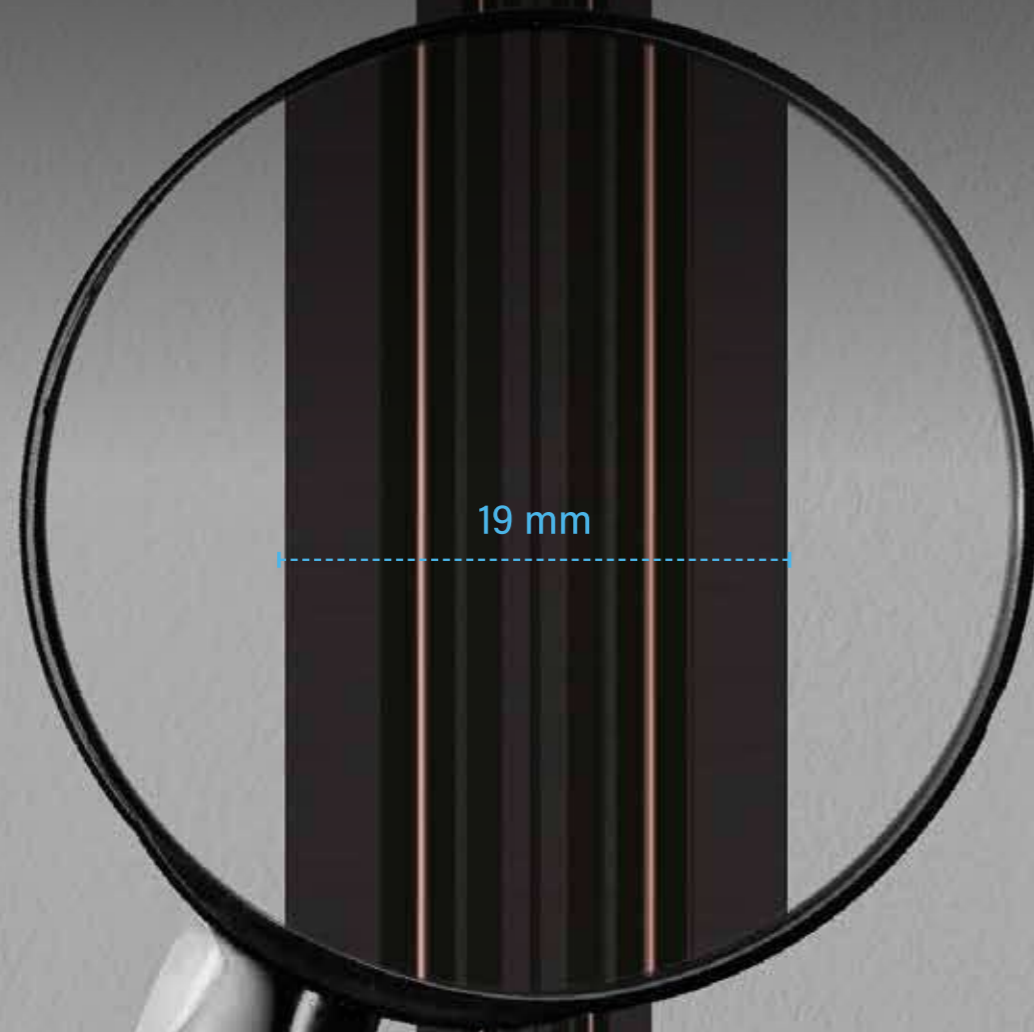
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 2A max)
<b>Output channels</b>	1
<b>Bus</b>	1-10V
<b>Dimming</b>	10%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	cables (optional)
<b>Dimensions</b>	98x13mm
<b>Approval marks</b>	

### ORDERING CODE

1200EN1738-10N-0-0110V48  
1200EN1738-10N-C-0110V48 with cables

# MICRODRIVER48

## FOR A.A.G. STUCCHI LOW VOLTAGE TRACKS MICRO



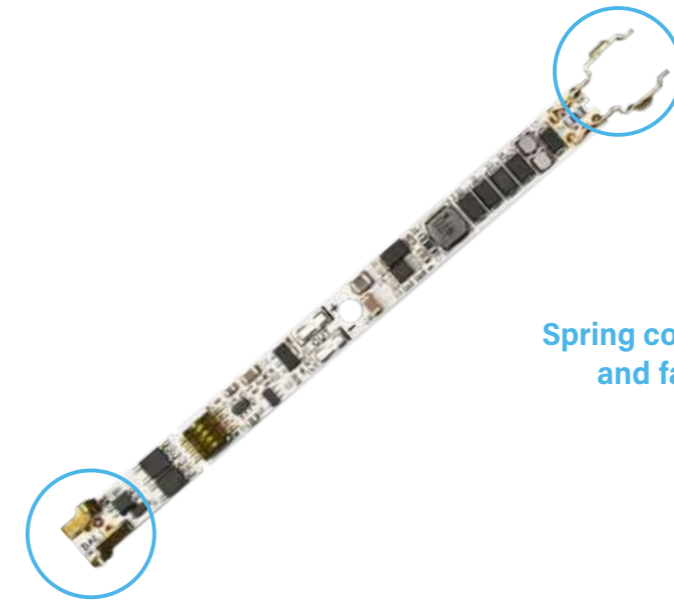
**MICRODRIVER48** A.A.G. STUCCHI Follow your illumination **micro** when small matters

Entity ha sviluppato una gamma completa di driver 24-48V - MICRODRIVER48 - ideali per binario a bassa tensione A.A.G. Stucchi Micro, rivoluzionario per le dimensioni miniaturizzate e le infinite possibilità progettuali.

La gamma include versioni DALI-2, on/off, Bluetooth, bianco dinamico DT8, con una o due uscite in corrente costante o tensione costante.

Entity has developed a complete range of 24-48V drivers - MICRODRIVER48 - ideal for the A.A.G. Stucchi's low voltage tracks Micro, revolutionary system which stands out for the miniaturized dimensions and infinite design possibilities.

The range includes DALI-2, on/off, Bluetooth, tunable white DT8 versions, with one or two constant current or constant voltage outputs.



Spring contacts for easier and faster assemblies

### MICRODRIVER48 RANGE - OVERVIEW

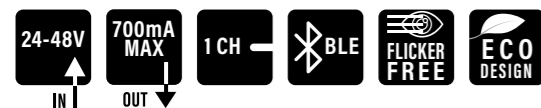


CONSTANT CURRENT OUTPUT/S

CONSTANT VOLTAGE OUTPUT/S

## EN1813 SILVAIR

Driver con modulo Silvair integrato ed uscita programmabile in corrente costante | Driver with integrated Silvair module and programmable constant current output.



Technology Partner: **SILVAIR**  
Coming Soon: **CASAMBI**

<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Command</b>	Silvair
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	-

**ORDERING CODE**  
1200EN1813-SIL-C70

## EN1788 DALI

Driver DALI con uscita programmabile in corrente costante | DALI driver with programmable constant current output.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1788-ODS-0-DALIC70  
1200EN1788-ODS-5-DALIC70 without output connector

## EN1874 DALI DT6 2CH

Driver DALI, due uscite collegabili in serie o parallelo, programmabili in corrente costante. Un indirizzo DALI e controllo di due spot contemporaneamente. Sviluppato per adattatori "doppio faretto" A.A.G. Stucchi | DALI driver, two output channels with series or parallel connection, with programmable constant current outputs. One DALI address and control of the two spotlights simultaneously. Designed for A.A.G. Stucchi's double spot adapters.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (Dip-switch)
<b>Output channels</b>	2
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	-
<b>Dimensions</b>	132,4x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1874-S00-0-DALI-000 series  
1200EN1874-P00-0-DALI-000 parallel

## EN1950 DALI FULL NOISE FREE

Driver DALI con uscita programmabile in corrente costante, funzione Dim to Warm. Full noise-free. | DALI driver with programmable constant current output, Dim to Warm function. Full noise free.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-2%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1950-0-0  
1200EN1950-1-0 without output connector





Compatible with  
Dim to Warm COB

## EN1892 DALI ask for EN2017 temporary solution

Driver DALI con uscita programmabile in corrente costante, ideale in abbinamento al modulo lineare Entity rif. EN1830 | DALI driver with programmable constant current output, ideal combined with the Entity's linear module ref. EN1830.



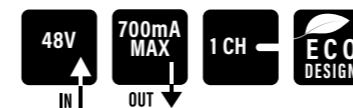
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	 


**ORDERING CODE**

1200EN1892-0	output connectors
1200EN1892-1	output soldering pads

## EN1875 ON/OFF

Driver on/off con uscita programmabile in corrente costante | On/off driver with programmable constant current output.



<b>Input</b>	48Vdc
<b>Output</b>	175mA-350mA-525mA-700mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**

1200EN1875-0DS-0-00	
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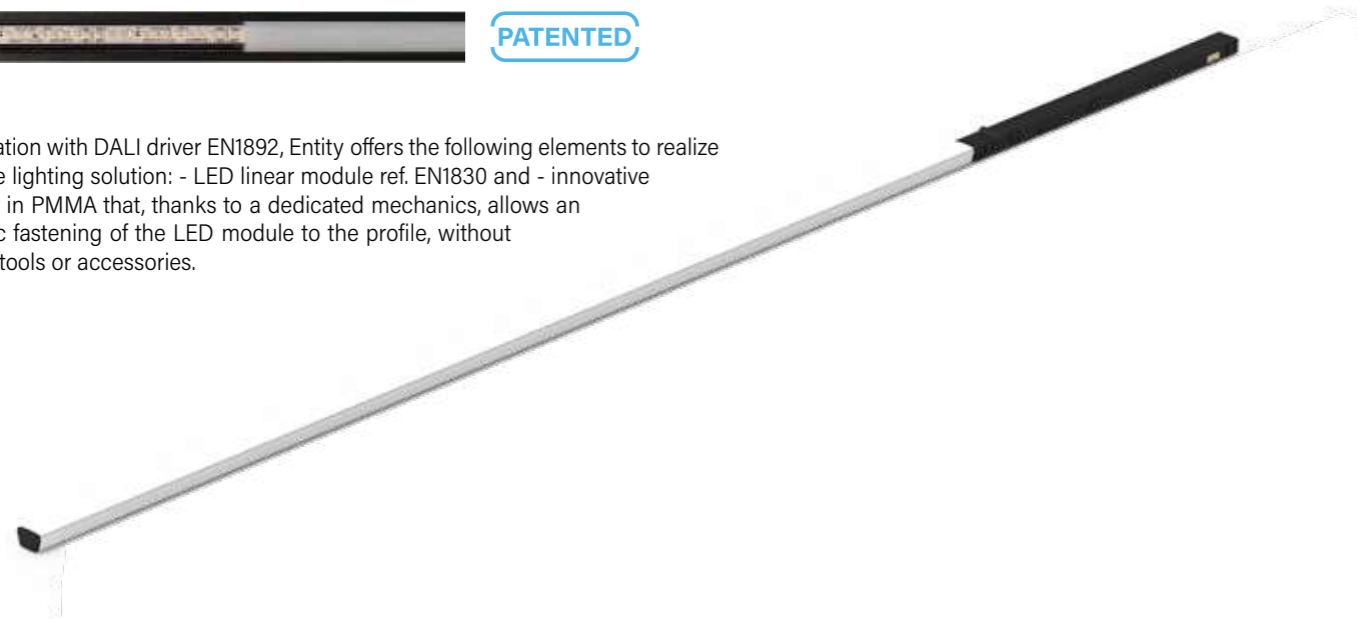
## related item

### EN1830 LINEAR 120LED at page 127

In abbinamento al driver DALI EN1892, Entity propone una serie di elementi per comporre la propria soluzione illuminotecnica: - modulo LED lineare rif. EN1830 e - innovativa copertura opalina in PMMA che, grazie alla meccanica dedicata, consente il fissaggio automatico del modulo LED al profilo senza bisogno di utensili e/o accessori.

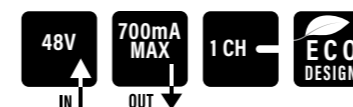



In combination with DALI driver EN1892, Entity offers the following elements to realize a complete lighting solution: - LED linear module ref. EN1830 and - innovative opal cover in PMMA that, thanks to a dedicated mechanics, allows an automatic fastening of the LED module to the profile, without additional tools or accessories.



### EN1875 ON/OFF FIXED OUTPUT

Driver on/off con uscita in corrente costante | On/off driver with constant current output.



<b>Input</b>	48Vdc
<b>Output</b>	350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-3%
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**

1200EN1875-350-0-00	350mA
1200EN1875-500-0-00	500mA
1200EN1875-700-0-00	700mA



## EN1803 DALI

Driver di tensione DALI con una uscita | Voltage DALI driver with one output channel.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 1A max)
<b>Output channels</b>	1
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1803-10N-0-DALIV48

## EN1803 DALI DT8 2CH

Driver di tensione DALI DT8 con due uscite. Un indirizzo DALI e controllo indipendente di due canali, funzione bianco dinamico | Voltage DALI DT8 driver with two output channels, one DALI address and control of two independent channels, tunable white function.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 1A max)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1803-00N-0-DALIV48

## EN1803 DALI DT6 2CH

Driver di tensione DALI con due uscite. Due indirizzi DALI e controllo indipendente di due spot | Voltage DALI DT6 driver with two output channels. Two DALI addresses and control of two independent spotlights.

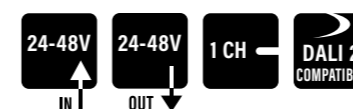


<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc (PWM dimmable 1A max)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1803-20N-0-DALIV48

## EN1834 DALI CONNECTION BOARD

Scheda di connessione DALI | DALI connection board.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	24Vdc-48Vdc
<b>Output channels</b>	1
<b>Output range</b>	0Vdc-48Vdc
<b>Bus</b>	DALI
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	113,6x8mm
<b>Approval marks</b>	-

**ORDERING CODE**  
1200EN1834-000-0-DALIV48



# PHANTOM

## 0-10V 1-10V DIMMING FOR A.A.G. STUCCHI MICRO® TRACKS

### EN2032 PHANTOM DIM

Entity presenta PHANTOM, un sistema proprietario composto da un'interfaccia 0-10V, 1-10V, push, potenziometro e relativi driver per la dimmerazione, in broadcast, degli apparecchi di illuminazione su binari a bassa tensione MICRO® di A.A.G. Stucchi. Il sistema, oltre che rendere possibile il controllo di binari MICRO® con protocollo 0-10V 1-10V, fa da isolamento elettrico (SELV) nel rispetto della normativa UL. Entity presents PHANTOM, a proprietary system consisting of a 0-10V, 1-10V, push, potentiometer interface and related drivers for dimming, in broadcast, of lighting fixtures on MICRO® low voltage tracks by A.A.G. Stucchi. The system, as well as making possible the control of MICRO® tracks with 0-10V 1-10V protocol, acts as electrical insulation (SELV) in compliance with the UL regulations.

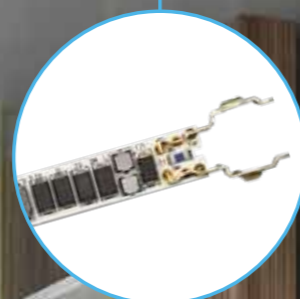


<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	bus (64 control gears)
<b>Output channels</b>	2
<b>Bus</b>	0-10V 1-10V
<b>Command</b>	0-10V 1-10V-push-potentiometer
<b>Control inputs</b>	2
<b>Dimming</b>	0%-100% or 10%-100%
<b>Frequency</b>	-
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm
<b>Approval marks</b>	-

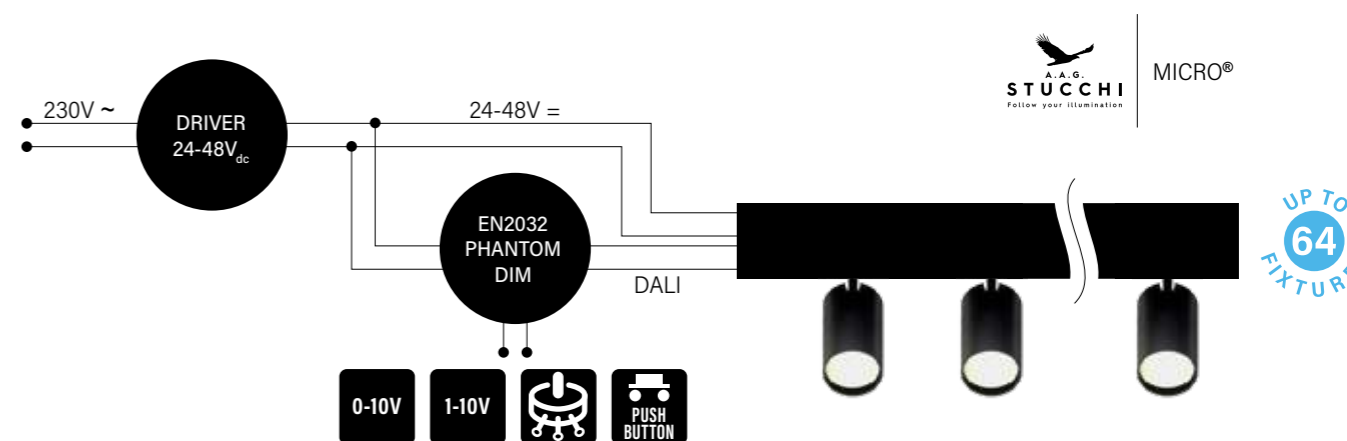
**ORDERING CODE**  
1200EN2032-001



PHANTOM  
DIM



MICRODRIVER48



**MICRODRIVER EN1950 DALI**  
in the fixtures

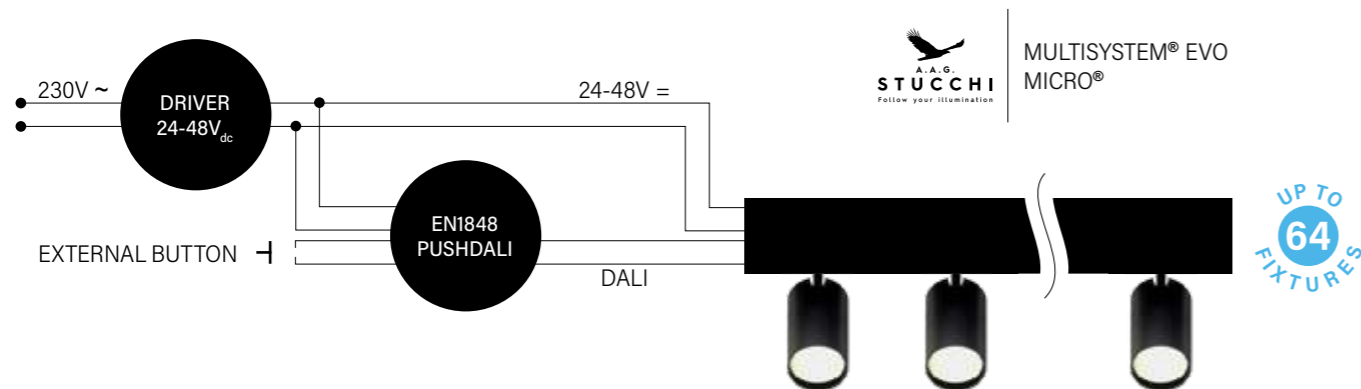
## EN1848 PUSHDALI

DALI master-controller, completo di ingresso per pulsante esterno ed uscita DALI compatibile, genera un segnale DALI compatibile per la gestione in broadcast dei dispositivi DALI collegati in uscita | DALI master-controller, complete of control input for an external push button and DALI compatible output, generates a DALI compatible signal to control in broadcast the DALI control gears applied to the output.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	external push button
<b>Control inputs</b>	1 push button
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1848-000-F-DALIV48



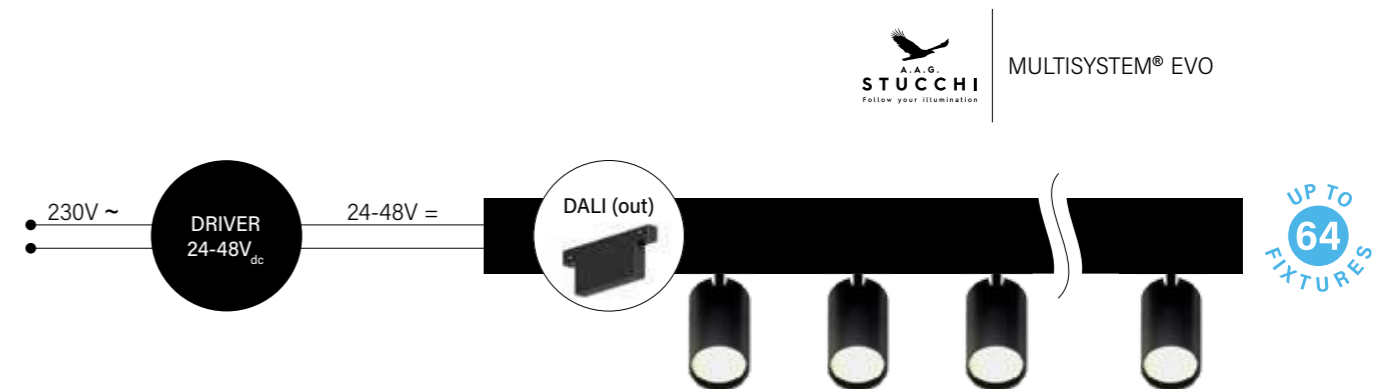
## EN1812 CASAMBI/TUYA - DALI GATEWAY

DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI o TUYA (BLE). Sviluppato per binari a bassa tensione A.A.G. Stucchi (Multisystem - Evolution). Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI or TUYA App (BLE). Designed for A.A.G. Stucchi's low voltage tracks (Multisystem - Evolution). For programming, refer to the datasheet.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Casambi - Tuya
<b>Control inputs</b>	-
<b>Power consumption</b>	10W
<b>Highlights</b>	protections against: voltage spikes - bus short circuit. DALI-2 compatible
<b>Accessories</b>	Stucchi adapter (white, black)
<b>Dimensions</b>	142,6x58,1x18mm (Stucchi adapter)

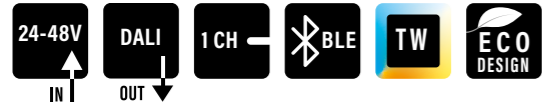
**ORDERING CODE**  
1200EN1812-CAS-00-BLDAV48 black  
1200EN1812-CAS-01-BLDAV48 white  
1200EN1812-TUY-00-BLDAV48 black  
1200EN1812-TUY-01-BLDAV48 white



The gateway generates a **POWERED DALI BUS** to lighting fixtures on track  
**MULTIDRIVER EN1739 DALI** in the fixtures

## EN1728 CASAMBI - DALI GATEWAY

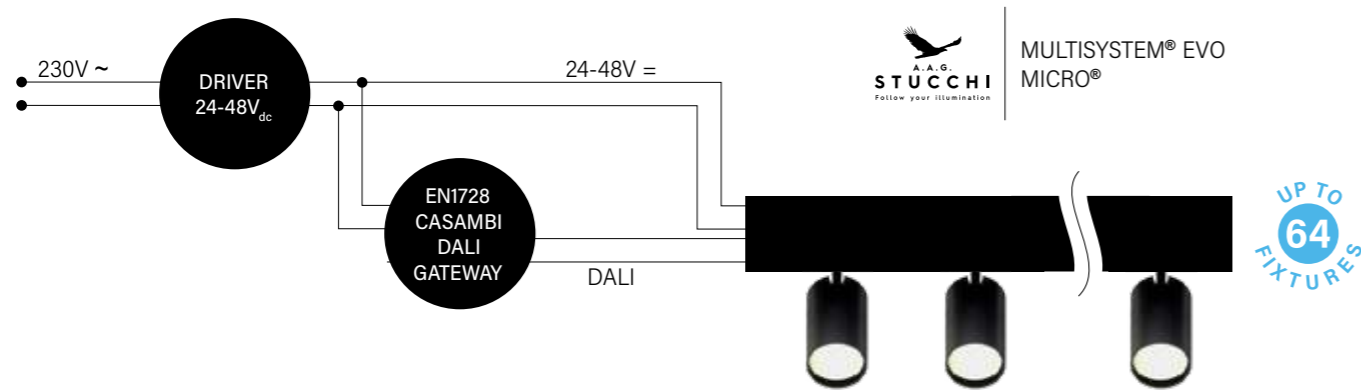
**DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI (BLE).** Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI App (BLE). For programming, refer to the datasheet.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	8W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1728-CAS-001

CASAMBI



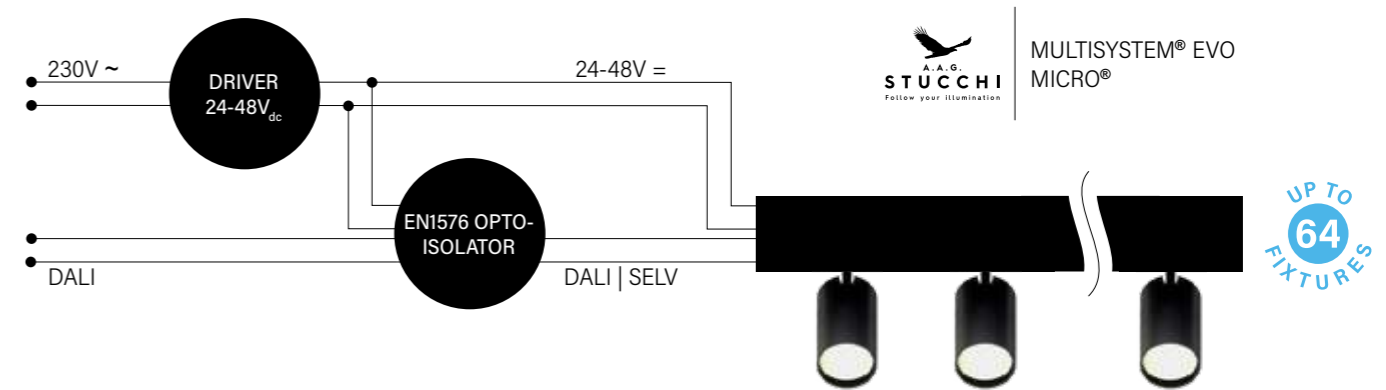
## EN1576 OPTO-ISOLATOR DALI

**Ripetitore e rigeneratore di segnale compatibile con protocollo DALI-2, con alimentatore integrato per la linea DALI di uscita.** Utilizzato per estendere o/e per isolare elettricamente la linea digitale di ingresso da quella di uscita | Signal repeater and regenerator compatible with DALI-2 protocol complete of integrated power supply for the output DALI line. It's used to extend or/and to electrically isolate the digital input line from output line.



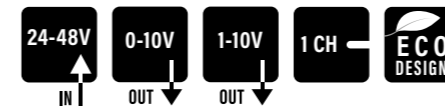
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 250mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Control inputs</b>	1
<b>Power consumption</b>	10W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm
<b>Approval marks</b>	CE, RoHS, UL

**ORDERING CODE**  
1200-IRP-0-DALIV48



## EN1814 OPTO-ISOLATOR 0-10V 1-10V

**Ripetitore e rigeneratore di segnale compatibile con protocollo 0-10V 1-10V, con alimentatore integrato per la linea del segnale di uscita.** Utilizzato per estendere o/e per isolare elettricamente la linea digitale di ingresso da quella di uscita | Signal repeater and regenerator compatible with 0-10V 1-10V protocol, complete of integrated power supply for the output signal line. It's used to extend or/and to electrically isolate the digital input line from output line.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	0-10V 1-10V 50mA (40 control gears)
<b>Output channels</b>	1
<b>Control inputs</b>	1
<b>Power consumption</b>	1,5W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm
<b>Approval marks</b>	CE, RoHS, UL

**ORDERING CODE**  
1200EN1814-000-F-0010V48

electronics for led

# WI-FI & BLE CONTROLLERS



## TABLE OF CONTENTS

CASAMBI VOICE	54
VOICE	56
CASAMBI	57
XICATO	60



# CASAMBI VOICE PATENTED

## A NEW TECHNOLOGY AT YOUR HAND... AND VOICE!

Entity presenta CASAMBI VOICE, un'innovativa interfaccia che consente il controllo di lampade DALI contemporaneamente da App CASAMBI in modalità Bluetooth ed attraverso comandi vocali impartiti agli assistenti AMAZON ALEXA / GOOGLE HOME in modalità Wi-Fi. I due sistemi, CASAMBI ed AMAZON ALEXA / GOOGLE HOME, sono interdipendenti, comunicano tra loro e si aggiornano a vicenda.

In un mercato globale e sempre più competitivo, in cui gran parte delle innovazioni avvengono a livello software, CASAMBI VOICE rappresenta una novità autentica, unica nel suo genere. Questo strumento, completamente progettato ed ingegnerizzato da Entity, precorre i tempi ed eleva il livello di possibilità di controllo remoto a standard impensabili fino a poco tempo fa.

**Nessuno - finora - lo aveva sognato, concepito, prodotto.**

**UNA NUOVA TECNOLOGIA A PORTATA DI MANO E VOCE, novità assoluta per il settore lighting coperta da brevetto.**

### IL DISPOSITIVO È DISPONIBILE IN DUE VERSIONI:

- 1 installato all'interno dell'adattatore per binari a bassa tensione MULTISYSTEM ed EVOLUTION di A.A.G. Stucchi, azienda italiana leader nella progettazione e produzione di binari dal design esclusivo (EN1812 CASAMBI VOICE)
- 2 installato all'interno di contenitore plastico sviluppato da Entity ed ideale per utilizzi indipendenti (EN1728 CASAMBI VOICE).

Entity presents CASAMBI VOICE, an innovative interface which allows the control of DALI fixtures both from CASAMBI App (Bluetooth) and through vocal commands given to AMAZON ALEXA / GOOGLE HOME assistants (Wi-Fi). The two systems, CASAMBI and AMAZON ALEXA / GOOGLE HOME, are interdependent, they communicate and update each other.

In a global and increasingly competitive market, where the majority of innovations happen at a software level, CASAMBI VOICE represents an authentic revolution, unique of its kind. The device, completely designed and engineered by Entity, is ahead of its time and raises the level of remote control possibilities to unthinkable standards.

**No one - until now - dreamed it, conceived it, produced it!**

**A NEW TECHNOLOGY AT YOUR HAND AND VOICE, an absolute novelty for the lighting sector, covered by patent.**

### THE DEVICE IS AVAILABLE IN TWO VERSIONS:

- 1 installed into the adapter for MULTISYSTEM and EVOLUTION low voltage tracks produced by A.A.G. Stucchi, leading company in the design and manufacturing of tracks which distinguish themselves for the exclusive design (EN1812 CASAMBI VOICE)
- 2 installed into a plastic box developed by Entity, ideal for independent uses (EN1728 CASAMBI VOICE).



## EN1812 CASAMBI VOICE - DALI GATEWAY

**DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI (BLE) e/o attraverso comandi vocali in quanto supporta gli assistenti Amazon Alexa e Google Home (Wi-Fi). Sviluppato per binari a bassa tensione A.A.G. Stucchi (Multisystem - Evolution). Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI App (BLE) and/or through vocal commands as it supports Amazon Alexa and Google Home vocal assistants (Wi-Fi). Designed for A.A.G. Stucchi's low voltage tracks (Multisystem - Evolution). For programming, refer to the datasheet.**



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Amazon Alexa - Google Home - Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	8W
<b>Highlights</b>	protections against: voltage spikes - bus short circuit. DALI-2 compatible
<b>Accessories</b>	Stucchi adapter (white, black)
<b>Dimensions</b>	142,6x58,1x18mm (Stucchi adapter)
<b>Approval marks</b>	<span style="border: 1px solid black; padding: 2px;">PATENTED</span>

### ORDERING CODE

1200EN1812-CAS-W0-BLDAV48	black
1200EN1812-CAS-W1-BLDAV48	white

## EN1728 CASAMBI VOICE - DALI GATEWAY

**DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI (BLE) e/o attraverso comandi vocali in quanto supporta gli assistenti Amazon Alexa e Google Home (Wi-Fi). Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI App (BLE) and/or through vocal commands as it supports Amazon Alexa and Google Home vocal assistants (Wi-Fi). For programming, refer to the datasheet.**



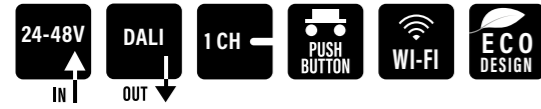
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Amazon Alexa - Google Home - Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	8W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm
<b>Approval marks</b>	<span style="border: 1px solid black; padding: 2px;">PATENTED</span>

### ORDERING CODE

1200EN1728-CAV-001
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## EN1728 DALI VOICE GATEWAY

DALI master-controller per il controllo di fino a 64 lampade DALI attraverso comandi vocali impartiti agli assistenti vocali Amazon Alexa e Google Home (Wi-Fi). Completo di ingresso per controllo da pulsante esterno (broadcast). Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through vocal commands as it supports Amazon Alexa and Google Home vocal assistants (Wi-Fi). Complete of push button input (broadcast). For programming, refer to the datasheet.



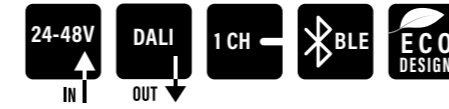
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Amazon Alexa - Google Home - external push button
<b>Control inputs</b>	1 push button
<b>Power consumption</b>	8W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1728-000-F-WIDAV48



## EN1612 CASAMBI - DALI GATEWAY

DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI (BLE). Per la programmazione, fare riferimento al datasheet | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI App (BLE). For programming, refer to the datasheet.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	10W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1612-CAS-0-0000003

CASAMBI

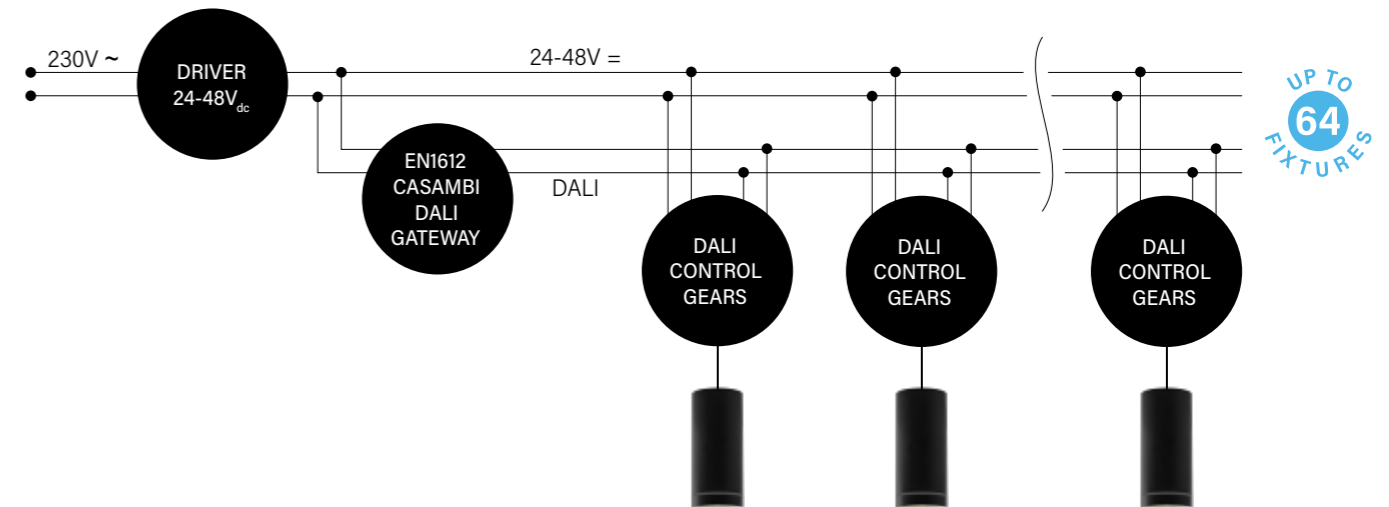
## EN1650 DOMO VOICE CONTROLLER

Controller, con uno o quattro canali di uscita, per la gestione di lampade attraverso comandi vocali impartiti agli assistenti vocali Amazon Alexa e Google Home (Wi-Fi). Completo di ingresso per controllo da pulsante esterno (broadcast). Per la programmazione, fare riferimento al datasheet | Controller, with one or four output channels, for the control of fixtures through vocal commands as it supports Amazon Alexa and Google Home vocal assistants (Wi-Fi). Complete of push button input (broadcast). For programming, refer to the datasheet.



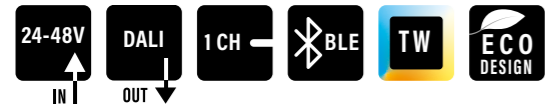
<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1 - 4
<b>Command</b>	Amazon Alexa - Google Home - external push button
<b>Control inputs</b>	1 push button
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz (3kHz coming soon)
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1650-100-F-WIFIV48 four output channels  
1200EN1650-200-F-WIFIV48 one output channel



## EN1728 CASAMBI - DALI GATEWAY

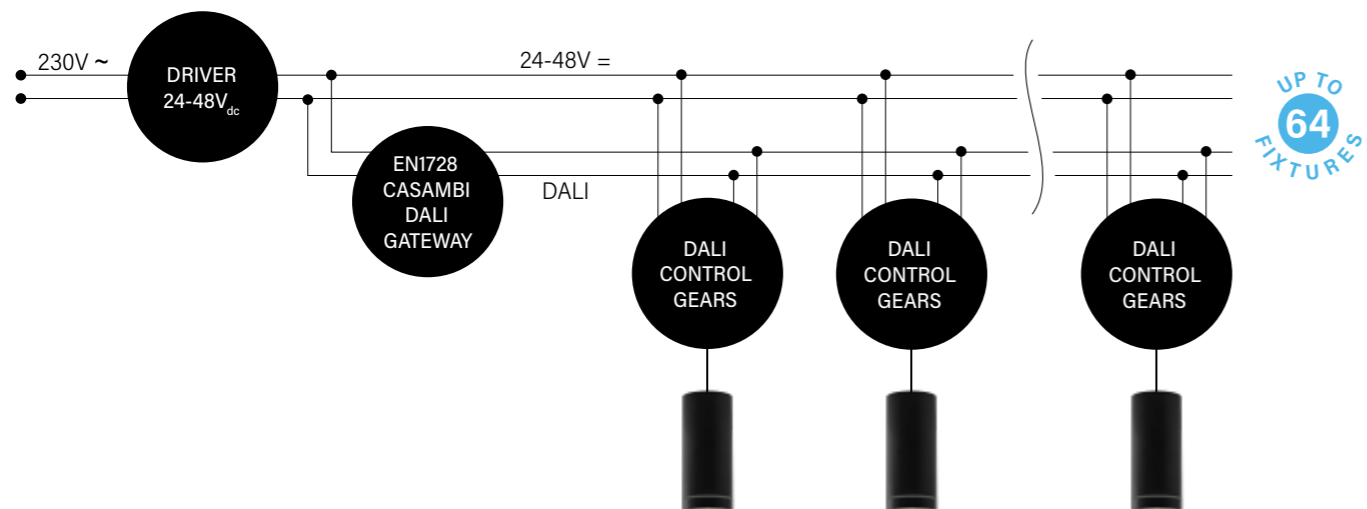
**DALI master-controller per il controllo di fino a 64 lampade DALI / 8 gruppi da App CASAMBI (BLE). Per la programmazione, fare riferimento al datasheet** | DALI master-controller for the control of up to 64 DALI fixtures / 8 groups through CASAMBI App (BLE). For programming, refer to the datasheet.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Power consumption</b>	8W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1728-CAS-001

CASAMBI



## EN1651 CASAMBI CONTROLLER 4

**Controller, quattro canali di uscita, per la gestione di quattro lampade / quattro gruppi di lampade da App CASAMBI (BLE). Per la programmazione, fare riferimento al datasheet** | Controller, four output channels, for the control of four fixtures / four groups of fixtures through CASAMBI App (BLE). For programming, refer to the datasheet.



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max per channel - 100W max in total)
<b>Output channels</b>	4
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz (3kHz coming soon)
<b>Power consumption</b>	3W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1651-CAS-F-0000002

CASAMBI

## EN1652 CASAMBI CONTROLLER 1

**Controller, un canale di uscita, per la gestione di lampade da App CASAMBI (BLE). Per la programmazione, fare riferimento al datasheet** | Controller, one output channel, for the control of fixtures through CASAMBI App (BLE). For programming, refer to the datasheet.



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1
<b>Command</b>	Casambi
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz (3kHz coming soon)
<b>Power consumption</b>	3W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1652-CAS-F-0000002

CASAMBI

## EN1612 XICATO - DALI GATEWAY

**DALI master-controller per il controllo di fino a 64 lampade DALI / quattro gruppi da App o control panel XICATO (BLE). Per la programmazione, fare riferimento al datasheet** | DALI master-controller for the control of up to 64 DALI fixtures / four groups through XICATO App or control panel (BLE). For programming, refer to the datasheet.



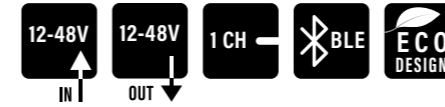
xicato

<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 250mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	Xicato
<b>Control inputs</b>	-
<b>Power consumption</b>	10W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1612-XIC-0-0000001

## EN1652 XICATO CONTROLLER 1

**Controller, un canale di uscita, per la gestione di lampade da App o control panel XICATO (BLE). Per la programmazione, fare riferimento al datasheet** | Controller, one output channel, for the control of fixtures through XICATO App or control panel (BLE). For programming, refer to the datasheet.



xicato

<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1
<b>Command</b>	Xicato
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz (3kHz coming soon)
<b>Power consumption</b>	3W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1652-XIC-F-0000002

## EN1651 XICATO CONTROLLER 4

**Controller, quattro canali di uscita, per la gestione di quattro lampade / quattro gruppi di lampade da App o control panel XICATO (BLE). Per la programmazione, fare riferimento al datasheet** | Controller, four output channels, for the control of four fixtures / four groups of fixtures through XICATO App or control panel (BLE). For programming, refer to the datasheet.



xicato

<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max per channel - 100W max in total)
<b>Output channels</b>	4
<b>Command</b>	Xicato
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz (3kHz coming soon)
<b>Power consumption</b>	3W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1651-XIC-F-0000002



electronics for led  
**LIGHT CONTROLLERS**



**TABLE OF CONTENTS**

DALI   DMX	64
EXTERNAL PUSH BUTTON	71
TOUCHPADS	73

# EN2056 SCREW CONTROLLER DALI



## DIMENSIONI MINIATURIZZATE MINIATURIZED DIMENSIONS

**Dimensioni estremamente contenute: 60 x 45 x 24mm** |  
Extremely compact dimensions 60 x 45 x 24mm.

## USO INDIPENDENTE INDEPENDENT USE

**La meccanica della scatola è progettata per installazioni indipendenti che richiedono sicurezza e stabilità** | The box mechanics is designed for independent installations that require safety and stability.

## CONNETTORI A VITE SCREW CONNECTORS

**Completo di connettori a vite per installazioni semplificate** | Complete of screw connectors for simplified installations.

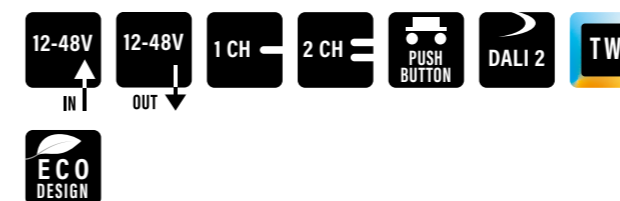
## DISPLAY DIGITALE E PULSANTE DIGITAL DISPLAY AND PUSH BUTTON

**Display digitale e pulsante integrato per rilevazione modalità di funzionamento (1 o 2 canali, DT6 DT8), personalizzazione curve di dimmerazione, segnalazione di errori sulla linea DALI ed altro** | Digital display and integrated button to easily identify operating mode (1 or 2 channels, DT6 DT8), to customize dimming curves, DALI line errors reporting and more.



## EN2056 CONTROLLER DALI - SCREW

**Controller DALI per la gestione di una o due uscite DT6 oppure due uscite DT8 (funzione bianco dinamico). Versione con connettori a vite.** | DALI controller for the control of one or two DT6 outputs or two DT8 outputs (tunable white function). Screw clamp connectors version.



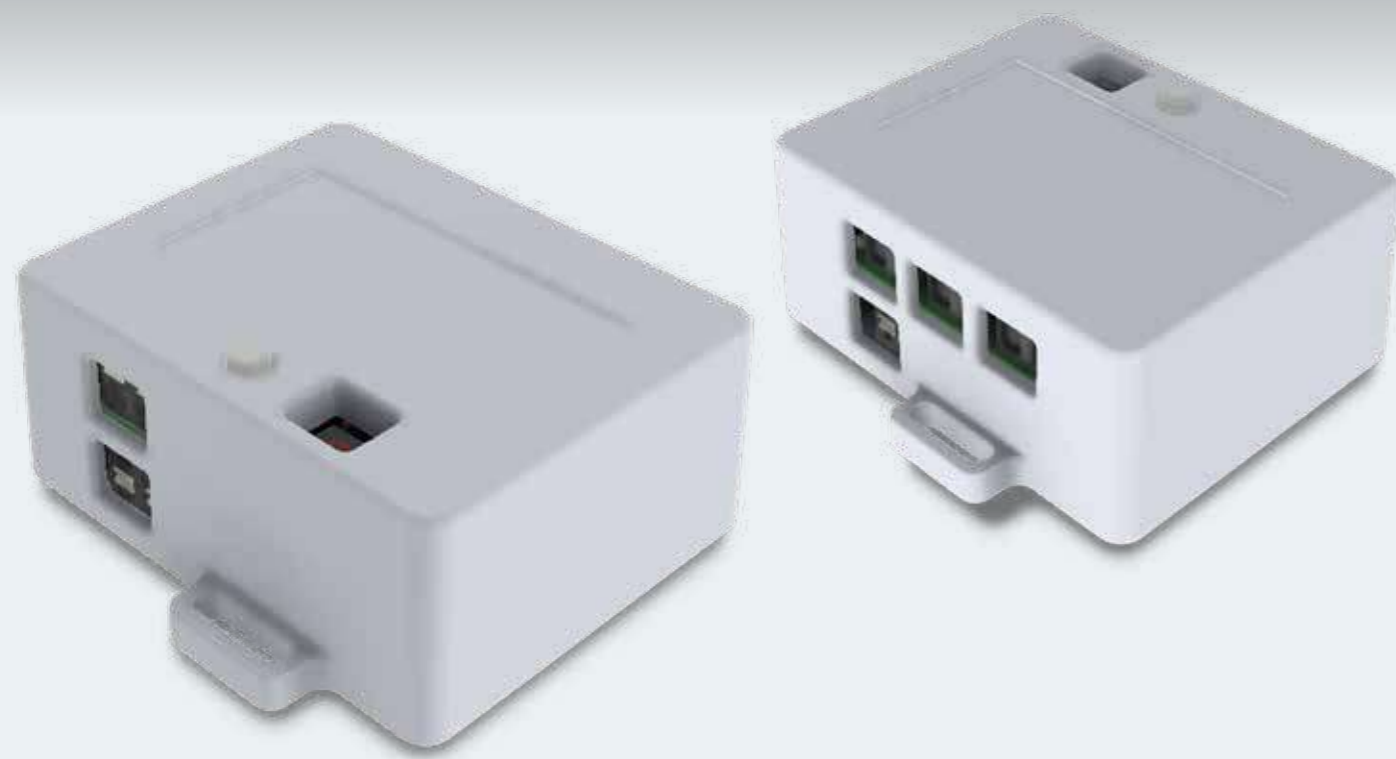
<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1 or 2
<b>Bus</b>	DALI
<b>Command</b>	DALI
<b>Control inputs</b>	push button
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	60x45x24mm
<b>Approval marks</b>	

### ORDERING CODE

1200EN2056-1-S	1 channel
1200EN2056-2-S	2 channels

# EN2056 LOOPING

## CONTROLLER DALI 2CH



### DIMENSIONI MINIATURIZZATE MINIATURIZED DIMENSIONS

**Dimensioni estremamente contenute: 60 x 45 x 24mm** |  
Extremely compact dimensions 60 x 45 x 24mm.

### USO INDIPENDENTE INDEPENDENT USE

**La meccanica della scatola è progettata per installazioni indipendenti che richiedono sicurezza e stabilità** | The box mechanics is designed for independent installations that require safety and stability.

### CONNETTORI PUSH-IN DOPPI DOUBLE PUSH-IN CONNECTORS

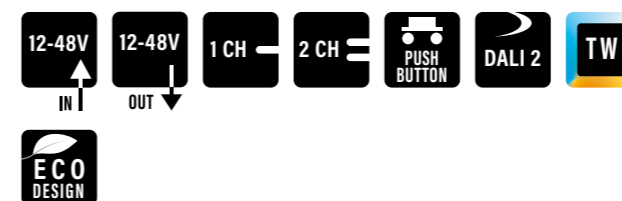
**Completo di connettori push-in doppi per la linea di alimentazione e DALI per agevolare la connessione in parallelo di più controller/lampade (looping)** | Complete of double push-in connectors for the power and the DALI line to simplify the connection in parallel of more controllers/lamps.

### DISPLAY DIGITALE E PULSANTE DIGITAL DISPLAY AND PUSH BUTTON

**Display digitale e pulsante integrato per rilevazione modalità di funzionamento (1 o 2 canali, DT6 DT8), personalizzazione curve di dimmerazione, segnalazione di errori sulla linea DALI ed altro** | Digital display and integrated button to easily identify operating mode (1 or 2 channels, DT6 DT8), to customize dimming curves, DALI line errors reporting and more.

## EN2056 CONTROLLER DALI 2CH - LOOPING

**Controller DALI per la gestione di una o due uscite DT6 oppure due uscite DT8 (funzione bianco dinamico). Versione con connettori push in doppi per la linea di alimentazione e DALI ed agevolare la connessione in parallelo di più controller/lampade (looping)** | DALI controller for the control of one or two DT6 outputs or two DT8 outputs (tunable white function). Version with dual push in connectors for the power and the DALI line and simplify the connection in parallel of more controllers/lamps.



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1 or 2
<b>Bus</b>	DALI
<b>Command</b>	DALI
<b>Control inputs</b>	push button
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	60x45x24mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN2056-2-L

## EN2019 DALINAMIC

**Controller DALI per la gestione di una o due uscite DALI nelle seguenti modalità (settabili attraverso Dip-switch): DALI DT6 1CH, DALI DT6 2CH, DALI DT8 2CH DALI (funzione bianco dinamico)** | DALI controller for the control of one or two DALI outputs in the following modes (settable through Dip-switch): DALI DT6 1CH, DALI DT6 2CH, DALI DT8 2CH DALI (tunable white function).



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 3A max per channel)
<b>Output channels</b>	1 and 2
<b>Bus</b>	DALI
<b>Command</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	2kHz
<b>Power consumption</b>	-
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5*43,7*22,7mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN2019-2DALI-S

## EN1658 DALINAMIC

**Controller DALI per la gestione di due uscite DT6 oppure due uscite DT8 (funzione bianco dinamico)** | DALI controller for the control of two DT6 outputs or two DT8 outputs (tunable white function).



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable from 2,5A to 8A max depending on the model)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Command</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm
<b>Approval marks</b>	

**ORDERING CODE**  
1200EN1658-000-F-DALIV48 2,5A  
1200EN1658-100-F-DALIV48 5A 2CH DT8  
1200EN1658-300-F-DALIV48 8A 2CH DT6

## EN1056 CONVERTER DALI>DMX OR DMX>DALI

**Convertitore di segnale disponibile in due versioni: da DALI a DMX o da DMX a DALI** | Signal converter available in two versions: from DALI to DMX or from DMX to DALI.

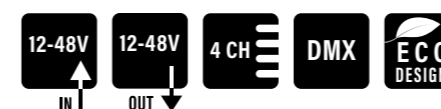


<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	-
<b>Output channels</b>	-
<b>Bus</b>	DALI / DMX
<b>Command</b>	DALI / DMX
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	-
<b>Power consumption</b>	6W
<b>Highlights</b>	-
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm
<b>Approval marks</b>	-

**ORDERING CODE**  
1200EN1056-DALI-DMX DALI>DMX  
1200EN1056-DMX-DALI DMX>DALI

## EN0995 CONTROLLER DMX

**Controller DMX per il controllo di dispositivi di illuminazione con protocollo DMX** | DMX controller for the control of lighting fixtures by DMX protocol.



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 2,5A max per channel)
<b>Output channels</b>	4
<b>Bus</b>	DMX
<b>Command</b>	DMX
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	6W
<b>Highlights</b>	protections against: overloads - input polarity reversal
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm
<b>Approval marks</b>	-

**ORDERING CODE**  
1200EN0995-DMX



## EN1162 CONTROLLER DMX/RDM MINI

Controller DMX/RDM per il controllo di dispositivi di illuminazione con protocollo DMX/RDM | DMX/RDM controller for the control of lighting fixtures by DMX/RDM protocol.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2A max per channel)
<b>Output channels</b>	3
<b>Bus</b>	DMX/RDM
<b>Command</b>	DMX/RDM
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	6W
<b>Highlights</b>	protections against: overloads
<b>Accessories</b>	-
<b>Dimensions</b>	61,5x12mm

**ORDERING CODE**  
1200EN1162-12 12Vdc  
1200EN1162-24 24Vdc

## EN1418 DMX REPEATER

Il ripetitore permette di estendere la portata del segnale DMX in modo da poter collegare fino a 31 dispositivi oltre il numero massimo imposto dalla linea ed oltre alla lunghezza massima dei cavi. Tali ulteriori dispositivi saranno collegati sulla linea generata dal ripetitore stesso | The repeater allows to extend the range of DMX signal in order to connect up to 31 devices more than the maximum quantity set by the line and more than the maximum cables length. The additional devices will be connected to the line generated by the repeater.



<b>Input</b>	24Vdc
<b>Output</b>	-
<b>Output channels</b>	-
<b>Bus</b>	DMX
<b>Command</b>	DMX
<b>Control inputs</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Power consumption</b>	6W
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	93,5x12mm

**ORDERING CODE**  
1200EN1418-001

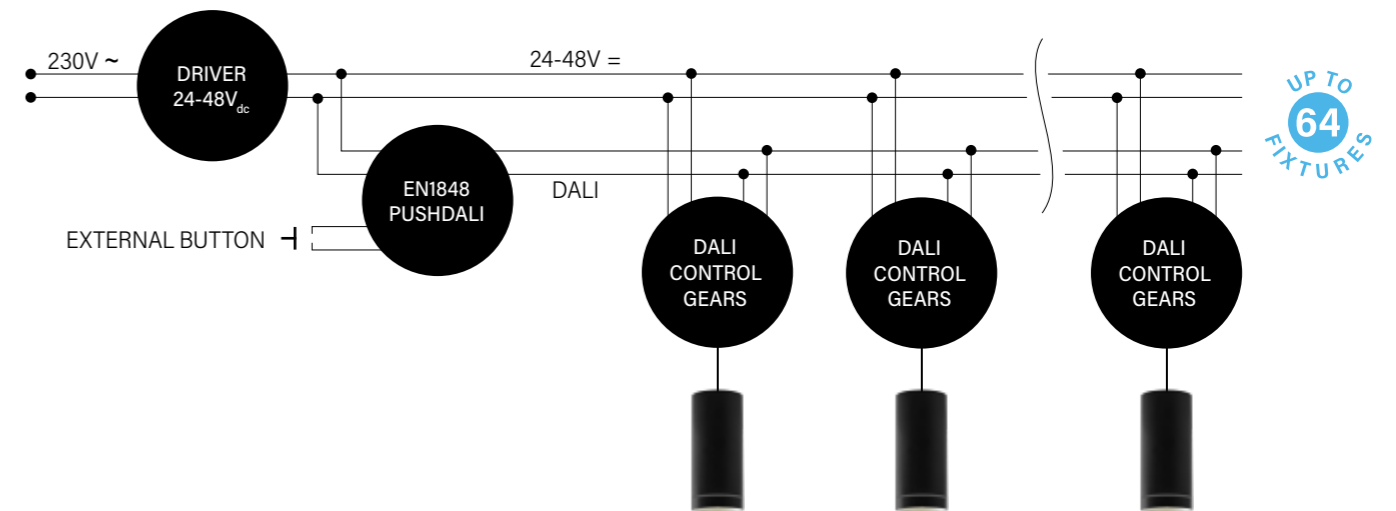
## EN1848 PUSHDALI

DALI master-controller, completo di ingresso per pulsante esterno ed uscita DALI compatibile, genera un segnale DALI compatibile per la gestione in broadcast dei dispositivi DALI collegati in uscita | DALI master-controller, complete of control input for an external push button and DALI compatible output, generates a DALI compatible signal to control in broadcast the DALI control gears applied to the output.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Command</b>	external push button
<b>Control inputs</b>	1 push button
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal - bus short circuit. DALI-2 compatible
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1848-000-F-DALIV48



## EN1658 PUSHNOMIC

Controller per la gestione del bianco dinamico e dim to warm da pulsanti esterni. Funzionalità bianco dinamico (due pulsanti esterni): ON/OFF e dimmerazione da pulsante 1 - impostazione della tonalità di bianco desiderata da pulsante 2. Funzionalità dim to warm (un pulsante esterno): ON/OFF e funzione dim to warm da un pulsante esterno | Tunable white and dim to warm controller from external push button/s. Tunable white function (two external push buttons): ON/OFF and dimming from button 1 - setting of the desired white tonality from button 2. Dim to warm function (one external push button): ON/OFF and dim to warm function from one external push button.



<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 2,5A max - 5A max version available on demand)
<b>Output channels</b>	2
<b>Command</b>	External push button/s
<b>Control inputs</b>	2 push buttons
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	4W
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm

**ORDERING CODE**  
1200EN1658-000-F-PUSHV48

## EN0723 LIGHT SEQUENCER

Controller per impostazione del colore e ciclo colori alla velocità desiderata da pulsanti esterni e/o radiocomando. Possibilità di collegare più sequenziatori e sincronizzarli | Controller for the selection of colors, colors cycle and desired speed from external push buttons and/or radio remote control. Possibility to connect more sequencers and synchronize them.



<b>CV version input</b>	12Vdc-24Vdc
<b>CV version output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max per channel)
<b>CC version input</b>	12Vdc-24Vdc
<b>CC version output</b>	350mA (PWM dimmable - output range 1V-22,5V)
<b>Output channels</b>	3
<b>Bus</b>	-
<b>Command</b>	external push button - radio remote control
<b>Control inputs</b>	3 external push button
<b>Dimming</b>	off, 5%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	1W
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box - radio remote control
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN0723-V CV version  
1200EN0723-V-TC CV version and radio remote control  
1200EN0723-C-035 CC version  
1200EN0723-C-035-TC CC version and radio remote control



radio remote control

## EN0832 TOUCH COLOR RGBW

Centralina touch per il controllo di quattro uscite (RGB+W): selezione del colore, impostazione del livello di luminosità e durata del ciclo colore. Possibilità di controllo da due pulsanti esterni. Installabile su telai 4 posti Vimar e BTicino | Touchpad for the control of four outputs (RGB+W): color setting, brightness level, color cycle speed. Possible the control from two external push buttons. Ideal to be installed into 4-modules Vimar and BTicino mounting frames.



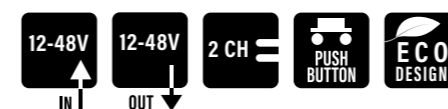
customized graphic for quantities

<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 1A max per output)
<b>Output channels</b>	4
<b>Command</b>	touchpad
<b>Control inputs</b>	2 external buttons for configuration
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	2W
<b>Highlights</b>	protections against: overloads
<b>Accessories</b>	-
<b>Dimensions</b>	see datasheet

**ORDERING CODE**  
1200EN0832-A1-RGBW compatible Vimar Idea  
1200EN0832-B1-RGBW compatible Bticino Axolute  
1200EN0832-B2-RGBW compatible Bticino Living

## EN0832 TOUCH LIGHT 2CH

Centralina touch per il controllo di due uscite (bianco caldo e bianco freddo): miscelazione della tonalità di bianco desiderato, impostazione del livello di luminosità e quattro programmi pre-impostati. Possibilità di controllo da due pulsanti esterni. Installabile su telai 4 posti Vimar e BTicino | Touchpad for the control of two outputs (warm white and cold white): setting of the desired white color temperature, brightness level, four pre-set programs. Possible the control from two external push buttons. Ideal to be installed into 4-modules Vimar and BTicino mounting frames.



customized graphic for quantities

<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 1A max per output)
<b>Output channels</b>	2
<b>Command</b>	touchpad
<b>Control inputs</b>	2 external buttons for configuration
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	2W
<b>Highlights</b>	protections against: overloads
<b>Accessories</b>	-
<b>Dimensions</b>	see datasheet

**ORDERING CODE**  
1200EN0832-A1-WHITE compatible Vimar Idea  
1200EN0832-B1-WHITE compatible Bticino Axolute  
1200EN0832-B2-WHITE compatible Bticino Living

## EN0871 TOUCH COLOR DMX

**Centralina touch per il controllo di quattro uscite (RGB+W) attraverso segnale DMX: selezione del colore, impostazione del livello di luminosità e durata del ciclo colore. Possibilità di collegare più centraline per il controllo di un sistema complesso. Installabile su telai 4 posti Vimar e BTicino** | Touchpad for the control of four outputs (RGB+W) through DMX signal: color setting, brightness level, color cycle speed. Possible to connect more touchpads for a complex system management. Ideal to be installed into 4-modules Vimar and BTicino mounting frames.



Customized graphic for quantities

<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (PWM dimmable 1A max per output)
<b>Output channels</b>	4
<b>Bus</b>	DMX
<b>Command</b>	touchpad
<b>Control inputs</b>	2 external buttons for configuration
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	2W
<b>Highlights</b>	protections against: overloads
<b>Accessories</b>	-
<b>Dimensions</b>	see datasheet

### ORDERING CODE

1200EN0871-A1-DMX	compatible Vimar Idea
1200EN0871-B2-DMX	compatible Bticino Living

electronics for led  
**DC DC CONVERTERS**



**TABLE OF CONTENTS**

ONLY BOARD	78
INTO BOX	82
INTO BOX AND RESINED IP67	90
INTO CABLE GLAND	96
CV AMPLIFIERS	97



## EN1893 DRIVER DALI MINI

DC/DC converter DALI con uscita programmabile in corrente costante | DALI DC/DC converter with one programmable constant current output.



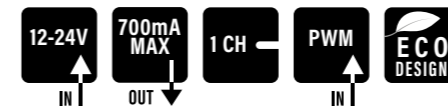
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (programmable through DALI master)
<b>Output channels</b>	1
<b>Output range</b>	5Vdc-43Vdc
<b>Bus</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	45x18mm
<b>Approval marks</b>	

<b>ORDERING CODE</b>			
1200EN1893-0-2	24Vdc	1200EN1893-0-2-G	24Vdc - sleeve
1200EN1893-0	48Vdc	1200EN1893-0-G	48Vdc - sleeve



## EN1410 PWM MINI

DC/DC converter PWM con uscita in corrente costante | PWM DC/DC converter with one constant current output.



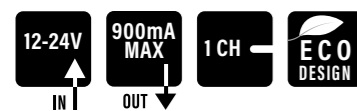
<b>Input</b>	12Vdc-24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-600mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 5%-100%
<b>Frequency</b>	600Hz
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	23x8x3,8mm

<b>ORDERING CODE</b>	
1200EN1410-C35	350mA
1200EN1410-C50	500mA
1200EN1410-C60	600mA
1200EN1410-C70	700mA
1200EN1410-C35G	350mA - sleeve
1200EN1410-C50G	500mA - sleeve
1200EN1410-C70G	700mA - sleeve



## EN2026 ON/OFF MINI

DC/DC converter on/off con uscita in corrente costante | On/off DC/DC converter with one constant current output.



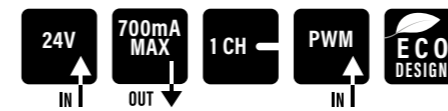
<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	350mA-500mA-600mA-700mA-900mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-22,5Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	15,9x7,9 mm

<b>ORDERING CODE</b>			
1200EN2026-C35	350mA	1200EN2026-C35-G	350mA - sleeve
1200EN2026-C50	500mA	1200EN2026-C50-G	500mA - sleeve
1200EN2026-C60	600mA	1200EN2026-C60-G	600mA - sleeve
1200EN2026-C70	700mA	1200EN2026-C70-G	700mA - sleeve
1200EN2026-C90	900mA	1200EN2026-C90-G	900mA - sleeve



## EN1868 PWM MINI 1

DC/DC converter PWM con uscita in corrente costante | PWM DC/DC converter with one constant current output.



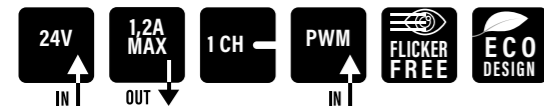
<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	250mA-350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	600Hz
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	25,3x6,5x3,4mm

<b>ORDERING CODE</b>			
1200EN1868-C25	250mA	1200EN1868-C25-G	250mA - sleeve
1200EN1868-C35	350mA	1200EN1868-C35-G	350mA - sleeve
1200EN1868-C50	500mA	1200EN1868-C50-G	500mA - sleeve
1200EN1868-C70	700mA	1200EN1868-C70-G	700mA - sleeve



## EN1798 PWM 1,2A

DC/DC converter PWM con uscita in corrente costante | PWM DC/DC converter with one constant current output.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1050mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-20Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5kHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	33,25x13,9x7,5mm

### ORDERING CODE

1200EN1798-C35-0	350mA	1200EN1798-C35-0-G	350mA - sleeve
1200EN1798-C50-0	500mA	1200EN1798-C50-0-G	500mA - sleeve
1200EN1798-C70-0	700mA	1200EN1798-C70-0-G	700mA - sleeve
1200EN1798-M05-0	1050mA	1200EN1798-M05-0-G	1050mA - sleeve
1200EN1798-M20-0	1200mA	1200EN1798-M20-0-G	1200mA - sleeve



sleeve

## EN1798 PWM 1,2A WITH CONNECTORS

DC/DC converter PWM con uscita in corrente costante | PWM DC/DC converter with one constant current output.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1050mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-20Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5kHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	connectors on the back
<b>Dimensions</b>	33,25x13,9x9,5mm

### ORDERING CODE

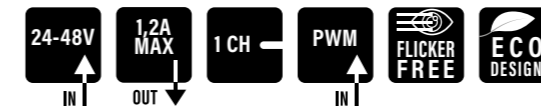
1200EN1798-C35-CONN	350mA
1200EN1798-C50-CONN	500mA
1200EN1798-C70-CONN	700mA
1200EN1798-M05-CONN	1050mA
1200EN1798-M20-CONN	1200mA



back

## EN1915 PWM 24V-48V

DC/DC converter PWM con uscita in corrente costante | PWM DC/DC converter with one constant current output.



<b>Input</b>	24Vdc-48Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1000mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-44Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5kHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	sleeve (optional)
<b>Dimensions</b>	48,5x15x7mm (box: 64x16mm Ø19mm)

### ORDERING CODE

1200EN1915-C35	350mA	1200EN1915-C35-GA	350mA - sleeve
1200EN1915-C50	500mA	1200EN1915-C50-GA	500mA - sleeve
1200EN1915-C70	700mA	1200EN1915-C70-GA	700mA - sleeve
1200EN1915-M00	1000mA	1200EN1915-M00-GA	1000mA - sleeve
1200EN1915-M20	1200mA	1200EN1915-M20-GA	1200mA - sleeve



sleeve

# TINY MINIATURIZED BOX

Entity presenta **TINY**, la nuova scatola in PMMA per DC/DC converter, che grazie alle dimensioni miniaturizzate e peculiarità tecniche **si presta alle più svariate applicazioni.**

- dimensioni miniaturizzate
- sistema di aggancio a parete
- massima flessibilità progettuale

Entity introduces **TINY**, the new plastic box in PMMA for DC/DC converters, that thanks to the miniaturized dimensions and some technical features **lends itself to multiple applications.**

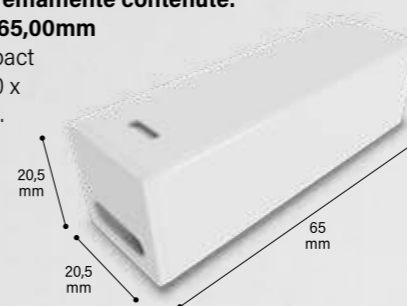
- miniaturized dimensions
- wall mounting system
- maximum design flexibility



Comparison with other models

## DIMENSIONI MINIATURIZZATE MINIATURIZED DIMENSIONS

**Dimensioni estremamente contenute:  
20,50 x 20,50 x 65,00mm**  
| Extremely compact dimensions 20,50 x 20,50 x 65,00mm.



## PRESSACAVO CABLE STRAIN RELIEF

**La meccanica della scatola è progettata con sistema pressacavo** | The box mechanics is designed to grant the cable strain relief.



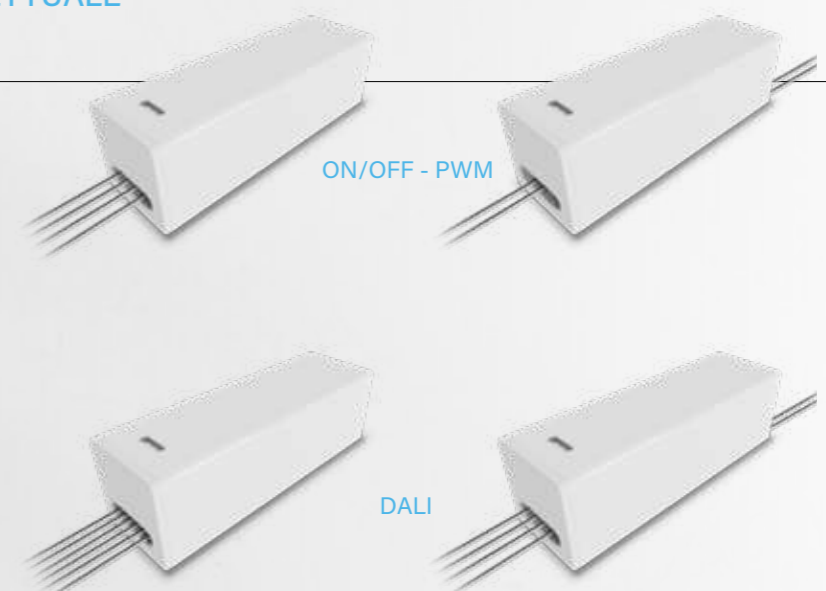
## SISTEMA DI AGGANCIO A PARETE WALL MOUNTING SYSTEM

**Pratico sistema di aggancio a parete per viti fino a diametro M4** | Practical wall mounting system for screws up to M4 diameter.



## MASSIMA FLESSIBILITÀ PROGETTUALE MAXIMUM DESIGN FLEXIBILITY

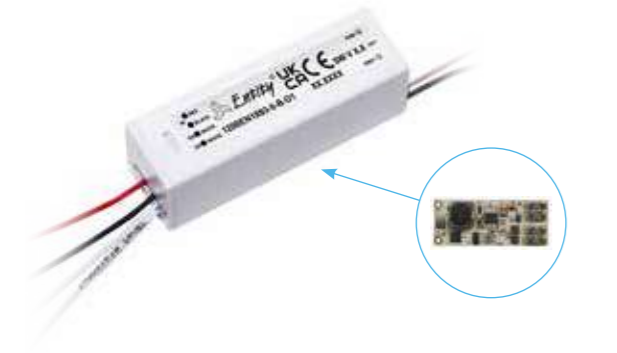
**La scatola è progettata per consentire l'uscita cavi da un solo lato o da entrambi i lati** | Box designed to allow the cables output from one side or both sides.



back side

## EN1893 DALI MINI INTO TINY BOX

DC/DC converter DALI con uscita programmabile in corrente costante, in scatolato per uso indipendente | DALI DC/DC converter with one programmable constant current output, into box for independent use.

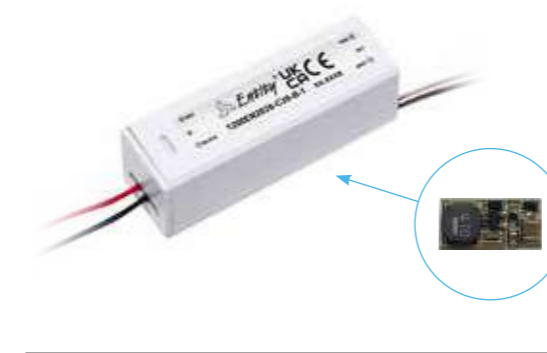


<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (programmable through DALI master)
<b>Output channels</b>	1
<b>Output range</b>	5Vdc-43Vdc
<b>Bus</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm
<b>Approval marks</b>	

<b>ORDERING CODE</b>	
1200EN1893-0-24-B-D1	24Vdc, 4 cables front side + 2 cables back side
1200EN1893-0-24-B-D2	24Vdc, 6 cables front side
1200EN1893-0-B-D1	48Vdc, 4 cables front side + 2 cables back side
1200EN1893-0-B-D2	48Vdc, 6 cables front side

## EN2026 ON/OFF INTO TINY BOX

DC/DC converter on/off con uscita in corrente costante, in scatolato per uso indipendente | On/off DC/DC converter with one constant current output, into box for independent use.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	350mA-500mA-600mA-700mA-900mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-22,5Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

<b>ORDERING CODE</b>	
1200EN2026-C35-B-1	350mA, 2 cables front side + 2 cables back side
1200EN2026-C50-B-1	500mA, 2 cables front side + 2 cables back side
1200EN2026-C60-B-1	600mA, 2 cables front side + 2 cables back side
1200EN2026-C70-B-1	700mA, 2 cables front side + 2 cables back side
1200EN2026-C90-B-1	900mA, 2 cables front side + 2 cables back side
1200EN2026-C35-B-2	350mA, 4 cables front side
1200EN2026-C50-B-2	500mA, 4 cables front side
1200EN2026-C60-B-2	600mA, 4 cables front side
1200EN2026-C70-B-2	700mA, 4 cables front side
1200EN2026-C90-B-2	900mA, 4 cables front side

## EN1649 DRIVER DALI

DC/DC converter DALI con uscita programmabile in corrente costante | DALI DC/DC converter with one programmable constant current output.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-1000mA (Dip-switch)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	PWM 3kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal. Hot swappable - precision of the current output +/-1,5%
<b>Accessories</b>	plastic box
<b>Dimensions</b>	104,5x43,7x22,7mm
<b>Approval marks</b>	

<b>ORDERING CODE</b>	
1200EN1649-200-F-DALIV48	



## EN1868 PWM INTO TINY BOX

DC/DC converter PWM con uscita in corrente costante, inscatolato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use.



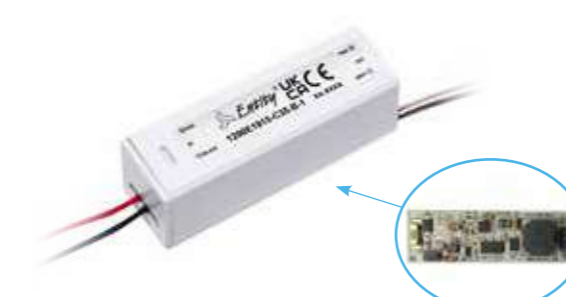
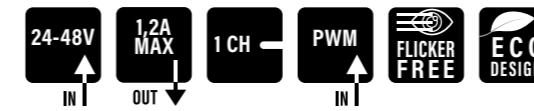
<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	250mA-350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	600Hz
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

### ORDERING CODE

1200EN1868-C25-B-1	250mA, 2 cables front side + 2 cables back side
1200EN1868-C35-B-1	350mA, 2 cables front side + 2 cables back side
1200EN1868-C50-B-1	500mA, 2 cables front side + 2 cables back side
1200EN1868-C70-B-1	700mA, 2 cables front side + 2 cables back side
1200EN1868-C25-B-2	250mA, 4 cables front side
1200EN1868-C35-B-2	350mA, 4 cables front side
1200EN1868-C50-B-2	500mA, 4 cables front side
1200EN1868-C70-B-2	700mA, 4 cables front side

## EN1915 PWM 24V-48V INTO TINY BOX

DC/DC converter PWM con uscita in corrente costante, inscatolato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use.



<b>Input</b>	24Vdc-48Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1000mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-44Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5KHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

### ORDERING CODE

1200EN1915-C35-B-1	350mA, 2 cables front side + 2 cables back side
1200EN1915-C50-B-1	500mA, 2 cables front side + 2 cables back side
1200EN1915-C70-B-1	700mA, 2 cables front side + 2 cables back side
1200EN1915-M00-B-1	1000mA, 2 cables front side + 2 cables back side
1200EN1915-M20-B-1	1200mA, 2 cables front side + 2 cables back side
1200EN1915-C35-B-2	350mA, 4 cables front side
1200EN1915-C50-B-2	500mA, 4 cables front side
1200EN1915-C70-B-2	700mA, 4 cables front side
1200EN1915-M00-B-2	1000mA, 4 cables front side
1200EN1915-M20-B-2	1200mA, 4 cables front side

## EN1798 PWM 1,2A INTO TINY BOX

DC/DC converter PWM con uscita in corrente costante, inscatolato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1000mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-20Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5KHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

### ORDERING CODE

1200EN1798-C35-B-1	350mA, 2 cables front side + 2 cables back side
1200EN1798-C50-B-1	500mA, 2 cables front side + 2 cables back side
1200EN1798-C70-B-1	700mA, 2 cables front side + 2 cables back side
1200EN1798-M00-B-1	1000mA, 2 cables front side + 2 cables back side
1200EN1798-M20-B-1	1200mA, 2 cables front side + 2 cables back side
1200EN1798-C35-B-2	350mA, 4 cables front side
1200EN1798-C50-B-2	500mA, 4 cables front side
1200EN1798-C70-B-2	700mA, 4 cables front side
1200EN1798-M00-B-2	1000mA, 4 cables front side
1200EN1798-M20-B-2	1200mA, 4 cables front side

## EN1092 CONVERTER - PWM INPUT

DC/DC converter PWM con quattro uscite in corrente costante | PWM DC/DC converter with four constant current outputs.



<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	350mA
<b>Output channels</b>	4
<b>Output range</b>	1Vdc-46Vdc
<b>Bus</b>	PWM
<b>Control inputs</b>	4 PWM opto-isolated (2-10mA)
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1092-A-350 350mA

## EN1106 DRIVER - PWM INPUT

DC/DC converter PWM con quattro uscite in corrente costante | PWM DC/DC converter with four constant current outputs.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	350mA-500mA-700mA
<b>Output channels</b>	4
<b>Output range</b>	1Vdc-22Vdc
<b>Bus</b>	PWM
<b>Control inputs</b>	4 PWM opto-isolated (2-10mA)
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

**ORDERING CODE**  
1200EN1106-A-350  
1200EN1106-A-500  
1200EN1106-A-700

# TINY

## IP67 RESINED MINIATURIZED BOX

Entity presenta **TINY**, la nuova scatola in PMMA per DC/DC converter, che grazie alle dimensioni miniaturizzate e peculiarità tecniche **si presta alle più svariate applicazioni.**

- dimensioni miniaturizzate
- sistema di aggancio a parete
- prodotto fornito resinato IP67
- massima flessibilità progettuale

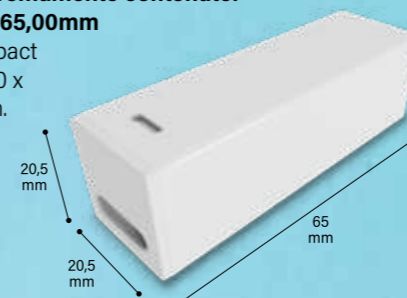
Entity introduces **TINY**, the new plastic box in PMMA for DC/DC converters, that thanks to the miniaturized dimensions and some technical features **lends itself to multiple applications.**

- miniaturized dimensions
- wall mounting system
- product resined IP67
- maximum design flexibility



### DIMENSIONI MINIATURIZZATE MINIATURIZED DIMENSIONS

**Dimensioni estremamente contenute:  
20,50 x 20,50 x 65,00mm**  
| Extremely compact dimensions 20,50 x 20,50 x 65,00mm.



### PRESSACAVO CABLE STRAIN RELIEF

**La meccanica della scatola è progettata con sistema pressacavo** | The box mechanics is designed to grant the cable strain relief.



### RESINATO IP67 RESINED IP67

**Il prodotto è resinato per garantire un grado di protezione minima IP67** | The product is resined to grant a minimum IP67 protection.



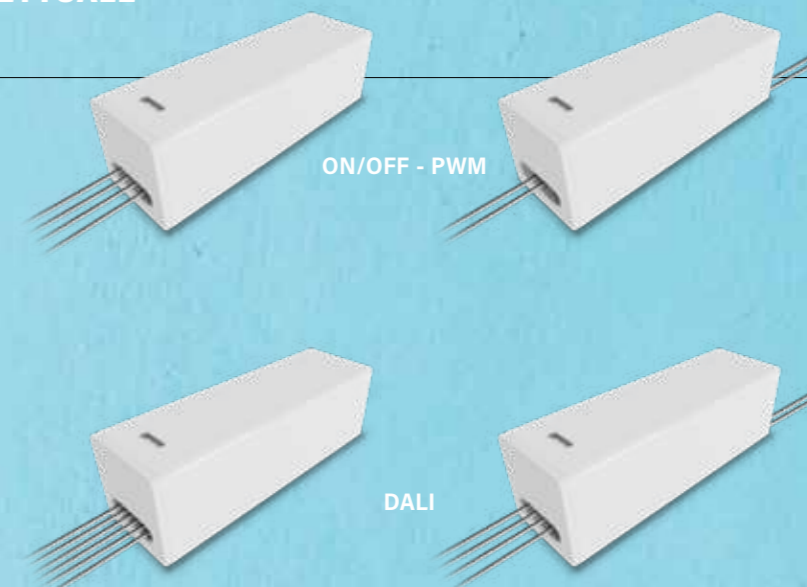
### SISTEMA DI AGGANCIO A PARETE WALL MOUNTING SYSTEM

**Pratico sistema di aggancio a parete per viti fino a diametro M4** | Practical wall mounting system for screws up to M4 diameter.



### MASSIMA FLESSIBILITÀ PROGETTUALE MAXIMUM DESIGN FLEXIBILITY

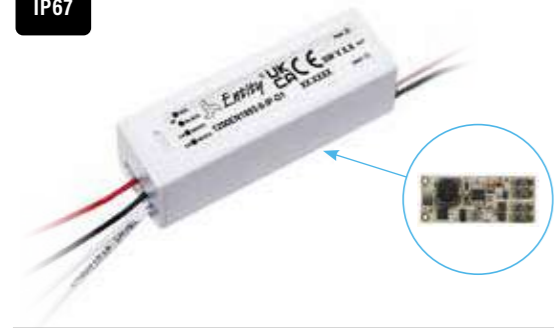
**La scatola è progettata per consentire l'uscita cavi da un solo lato o da entrambi i lati** | Box designed to allow the cables output from one side or both sides.





## EN1893 DALI MINI INTO TINY BOX IP67

DC/DC converter DALI con uscita programmabile in corrente costante, in scatolato e resinato per uso indipendente | DALI DC/DC converter with one programmable constant current output, into box for independent use and resined.



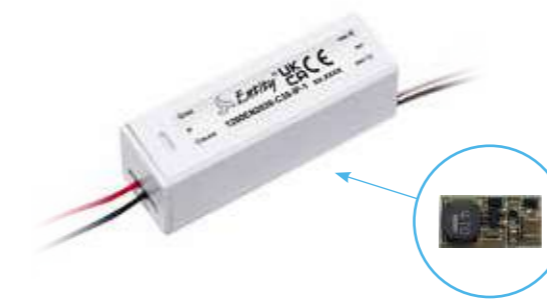
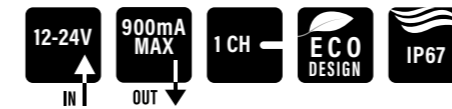
<b>Input</b>	24Vdc-48Vdc
<b>Output</b>	100mA-700mA (programmable through DALI master)
<b>Output channels</b>	1
<b>Output range</b>	5Vdc-43Vdc
<b>Bus</b>	DALI
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	PWM 2kHz+analogic
<b>Highlights</b>	protections against: overheating - overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm
<b>Approval marks</b>	

**ORDERING CODE**

1200EN1893-0-24-IP-D1	24Vdc, 4 cables front side + 2 cables back side
1200EN1893-0-24-IP-D2	24Vdc, 6 cables front side
1200EN1893-0-IP-D1	48Vdc, 4 cables front side + 2 cables back side
1200EN1893-0-IP-D2	48Vdc, 6 cables front side

## EN2026 ON/OFF INTO TINY BOX IP67

DC/DC converter on/off con uscita in corrente costante, in scatolato e resinato per uso indipendente | On/off DC/DC converter with one constant current output, into box for independent use and resined.



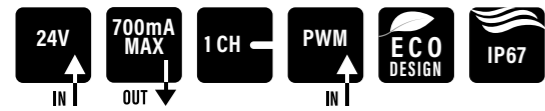
<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	350mA-500mA-600mA-700mA-900mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-22,5Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	-
<b>Frequency</b>	-
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

**ORDERING CODE**

1200EN2026-C35-IP-1	350mA, 2 cables front side + 2 cables back side
1200EN2026-C50-IP-1	500mA, 2 cables front side + 2 cables back side
1200EN2026-C60-IP-1	600mA, 2 cables front side + 2 cables back side
1200EN2026-C70-IP-1	700mA, 2 cables front side + 2 cables back side
1200EN2026-C90-IP-1	900mA, 2 cables front side + 2 cables back side
1200EN2026-C35-IP-2	350mA, 4 cables front side
1200EN2026-C50-IP-2	500mA, 4 cables front side
1200EN2026-C60-IP-2	600mA, 4 cables front side
1200EN2026-C70-IP-2	700mA, 4 cables front side
1200EN2026-C90-IP-2	900mA, 4 cables front side

## EN1868 PWM INTO TINY BOX IP67

DC/DC converter PWM con uscita in corrente costante, in scatolato e resinato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use and resined.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	250mA-350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	600Hz
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

### ORDERING CODE

1200EN1868-C25-IP-1	250mA, 2 cables front side + 2 cables back side
1200EN1868-C35-IP-1	350mA, 2 cables front side + 2 cables back side
1200EN1868-C50-IP-1	500mA, 2 cables front side + 2 cables back side
1200EN1868-C70-IP-1	700mA, 2 cables front side + 2 cables back side
1200EN1868-C25-IP-2	250mA, 4 cables front side
1200EN1868-C35-IP-2	350mA, 4 cables front side
1200EN1868-C50-IP-2	500mA, 4 cables front side
1200EN1868-C70-IP-2	700mA, 4 cables front side

## EN1915 PWM 24V-48V INTO TINY BOX IP67

DC/DC converter PWM con uscita in corrente costante, in scatolato e resinato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use and resined.



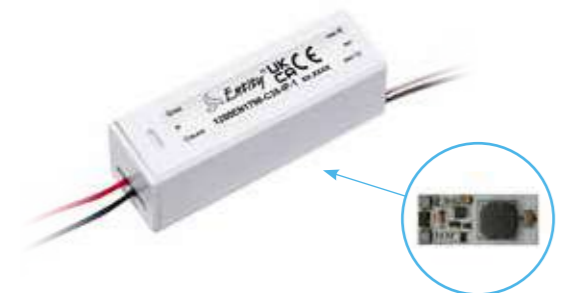
<b>Input</b>	24Vdc-48Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1000mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-44Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5KHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

### ORDERING CODE

1200EN1915-C35-IP-1	350mA, 2 cables front side + 2 cables back side
1200EN1915-C50-IP-1	500mA, 2 cables front side + 2 cables back side
1200EN1915-C70-IP-1	700mA, 2 cables front side + 2 cables back side
1200EN1915-M00-IP-1	1000mA, 2 cables front side + 2 cables back side
1200EN1915-M20-IP-1	1200mA, 2 cables front side + 2 cables back side
1200EN1915-C35-IP-2	350mA, 4 cables front side
1200EN1915-C50-IP-2	500mA, 4 cables front side
1200EN1915-C70-IP-2	700mA, 4 cables front side
1200EN1915-M00-IP-2	1000mA, 4 cables front side
1200EN1915-M20-IP-2	1200mA, 4 cables front side

## EN1798 PWM 1,2A INTO TINY BOX IP67

DC/DC converter PWM con uscita in corrente costante, in scatolato e resinato per uso indipendente | PWM DC/DC converter with one constant current output, into box for independent use and resined.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA-1000mA-1200mA
<b>Output channels</b>	1
<b>Output range</b>	2Vdc-20Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	up to 5KHz
<b>Highlights</b>	protections against: voltage spikes - input polarity reversal
<b>Accessories</b>	Tiny box
<b>Dimensions</b>	20,50x20,50x65mm

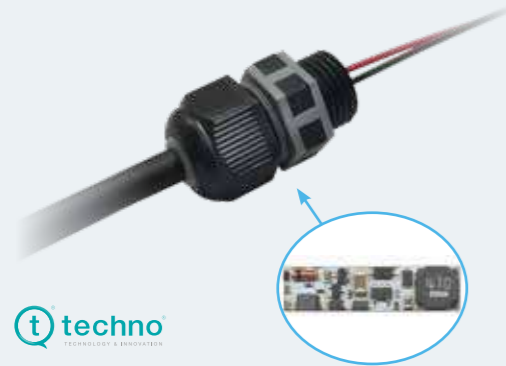
### ORDERING CODE

1200EN1798-C35-IP-1	350mA, 2 cables front side + 2 cables back side
1200EN1798-C50-IP-1	500mA, 2 cables front side + 2 cables back side
1200EN1798-C70-IP-1	700mA, 2 cables front side + 2 cables back side
1200EN1798-M00-IP-1	1000mA, 2 cables front side + 2 cables back side
1200EN1798-M20-IP-1	1200mA, 2 cables front side + 2 cables back side
1200EN1798-C35-IP-2	350mA, 4 cables front side
1200EN1798-C50-IP-2	500mA, 4 cables front side
1200EN1798-C70-IP-2	700mA, 4 cables front side
1200EN1798-M00-IP-2	1000mA, 4 cables front side
1200EN1798-M20-IP-2	1200mA, 4 cables front side



## EN1868 CONVERTER INTO CABLE GLAND IP68

Dalla collaborazione con la prestigiosa azienda italiana TECHNO, leader nella progettazione e produzione di connessioni elettriche IP68 ad elevata affidabilità, nasce il primo pressacavo IP68 con driver Entity integrato. Un'altra novità che consentirà di velocizzare e facilitare i collegamenti elettrici ed offrire un servizio sempre più completo | From the prestigious cooperation with the italian company TECHNO, leader in designing and production of highly reliable IP68 electrical connections, is born the first IP68 cable gland with integrated driver. Another novelty that will allow to speed up and facilitate electrical connections and offer an increasingly complete service.



<b>Input</b>	24Vdc (PWM dimmable)
<b>Output</b>	250mA-350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 2%-100%
<b>Frequency</b>	600Hz
<b>Techno cable gland</b>	TH450 series
<b>Body</b>	Technopolymer material PA66 - PA66 UL94 V2 GWT 850°C (corrosion resistance)
<b>Thread</b>	M16
<b>Cable diameter</b>	4,0mm min. - 7,5mm max
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	cable gland
<b>Dimensions</b>	see datasheet

### ORDERING CODE

1200EN1868-C25-R	250mA
1200EN1868-C35-R	350mA
1200EN1868-C50-R	500mA
1200EN1868-C70-R	700mA

## EN1410 CONVERTER INTO CABLE GLAND IP66/IP68

DC/DC converter PWM con uscita in corrente costante, integrato nel pressacavo e resinato - certificabile IP66/IP68 | PWM DC/DC converter with constant current output, integrated into the cable gland and resined - IP66/IP68 certifiable.



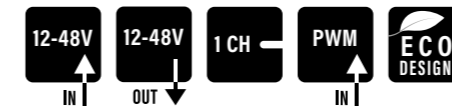
<b>Input</b>	12Vdc-24Vdc (PWM dimmable)
<b>Output</b>	350mA-500mA-700mA
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-22,8Vdc
<b>Control inputs</b>	-
<b>Dimming</b>	off, 5%-100%
<b>Frequency</b>	600Hz
<b>Body</b>	protections against: input polarity reversal
<b>Thread</b>	M16
<b>Cable diameter</b>	cable NT--N for immersion + red/black
<b>Highlights</b>	protections against: input polarity reversal
<b>Accessories</b>	cable gland
<b>Dimensions</b>	see datasheet

### ORDERING CODE

1200EN1410-C35-R	350mA
1200EN1410-C50-R	500mA
1200EN1410-C70-R	700mA

## EN0853 AMPLIFIER 1

Amplificatore di tensione PWM con una uscita | PWM constant voltage amplifier with one output.



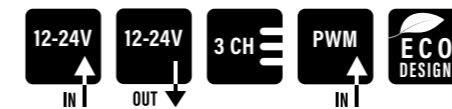
<b>Input</b>	12Vdc-48Vdc
<b>Output</b>	12Vdc-48Vdc (4A max)
<b>Output channels</b>	1
<b>Output range</b>	1Vdc-43Vdc
<b>Bus</b>	PWM
<b>Control inputs</b>	1 PWM opto-isolated (2-10mA)
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes - input polarity reversal
<b>Accessories</b>	-
<b>Dimensions</b>	55x21x13,4mm

### ORDERING CODE

1200EN0853-V48-V-PWM-4A

## EN1010 AMPLIFIER 3

Amplificatore di tensione PWM con tre uscite | PWM constant voltage amplifier with three outputs.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (5A max per channel)
<b>Output channels</b>	3
<b>Output range</b>	1Vdc-23Vdc
<b>Bus</b>	PWM
<b>Control inputs</b>	3 PWM opto-isolated (4-5mA)
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box
<b>Dimensions</b>	180x42x25mm

### ORDERING CODE

1200EN1010-A-V24

electronics for led  
**DIMMERS**



**TABLE OF CONTENTS**

EXTERNAL PUSH BUTTON	100
INTEGRATED PUSH BUTTON	103
TOUCH	104
IR SENSOR	106
MOTION SENSOR	108

## EN0723 DIMMER 3CH

**Controller per impostazione dell'intensità luminosa desiderata da pulsanti esterni e/o radiocomando. Possibilità di collegare più dimmer e sincronizzarli** | Controller to set light at desired brightness level from external push buttons and/or radio remote control. Possibility to connect more dimmers and synchronize them.



radio remote control

<b>CV version input</b>	12Vdc-24Vdc
<b>CV version output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max per channel)
<b>CC version input</b>	12Vdc-24Vdc
<b>CC version output</b>	350mA (PWM dimmable - output range 1V-22,5V)
<b>Output channels</b>	3
<b>Bus</b>	-
<b>Command</b>	external push button - radio remote control
<b>Control inputs</b>	3 external push button
<b>Dimming</b>	off, 5%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	1W
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box - radio remote control
<b>Dimensions</b>	180x42x25mm

### ORDERING CODE

1200EN0723-VD	CV version
1200EN0723-VD-TC	CV version and radio remote control
1200EN0723-CD-035	CC version
1200EN0723-CD-035-TC	CC version and radio remote control

## EN0723 COLOR DIMMER 3CH

**Controller per impostazione dell'intensità luminosa e del ciclo colori da pulsanti esterni e/o radiocomando. Possibilità di collegare più dimmer e sincronizzarli** | Controller to set light at desired brightness level and colors cycle from external push buttons and/or radio remote control. Possibility to connect more dimmers and synchronize them.



radio remote control

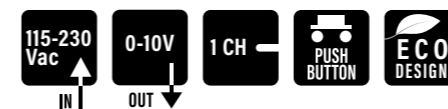
<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max per channel)
<b>Output channels</b>	3
<b>Bus</b>	-
<b>Command</b>	external push button - radio remote control
<b>Control inputs</b>	3 external push button
<b>Dimming</b>	off, 5%-100%
<b>Frequency</b>	200Hz
<b>Power consumption</b>	1W
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box - radio remote control
<b>Dimensions</b>	180x42x25mm

### ORDERING CODE

1200EN0723-VR	
1200EN0723-VR-TC	radio remote control

## EN1259 DIMMER 0-10V

**Dimmer per impianti dotati di alimentatore con ingresso 0-10V. Collegato direttamente all'alimentatore 0-10V, consente di dimmerare il punto luce dall'interruttore in uso, senza ricorrere ad interventi strutturali o cablaggi** | Dimmer for systems with 0-10V power supply. Connected directly to the 0-10V power supply, it makes possible to dim the light source from the switch in use, without structural interventions or cables.



<b>Input</b>	115Vac-230Vac
<b>Output</b>	0-10V
<b>Output channels</b>	1
<b>Bus</b>	0-10V
<b>Command</b>	external push button
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	59x24x22mm

### ORDERING CODE

1200EN1259-115
1200EN1259-230

## EN1310 DIMMER DALI

**Dimmer per impianti dotati di alimentatore con ingresso DALI. Collegato direttamente all'alimentatore DALI, consente di dimmerare il punto luce dall'interruttore in uso, senza ricorrere ad interventi strutturali o cablaggi** | Dimmer for systems with DALI power supply. Connected directly to the DALI power supply, it makes possible to dim the light source from the switch in use, without structural interventions or cables.



<b>Input</b>	230Vac
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	1
<b>Bus</b>	DALI
<b>Command</b>	external push button
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	DALI compatible
<b>Accessories</b>	-
<b>Dimensions</b>	59x24x22mm

### ORDERING CODE

1200EN1310-230
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## EN0801-BOX DIMMER 4A

Dimmer per accensione/spegnimento/dimmerazione mediante pressione prolungata da pulsante esterno. Fornito completo di cavi per il collegamento all'alimentazione, all'uscita ed al pulsante esterno per un'installazione facilitata | Dimmer to switch on/off/dim by pressure of the external push button. Supplied complete of power supply, output and external push button cables for an easy installation.

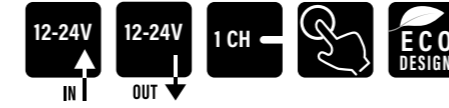


<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 4A max)
<b>Output channels</b>	1
<b>Command</b>	external push button
<b>Control inputs</b>	1 external push button
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	resined plastic box - cables for easy installation
<b>Dimensions</b>	83x25x19mm

**ORDERING CODE**  
1200EN0801-BOX

## EN0928 DIMMER FOR PROFILES

Dimmer per accensione/spegnimento/dimmerazione mediante pressione prolungata del pulsante integrato. Adatto per alloggiamento all'interno di profili LED | Dimmer to switch on/off/dim by pressure of the integrated push button. Ideal to be installed into LED profiles.

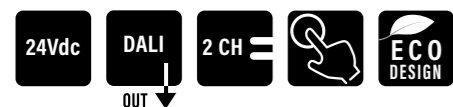


<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated push button
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	-
<b>Dimensions</b>	72x11,5x8,6mm

**ORDERING CODE**  
1200EN0928

## EN1688 IR OPTICAL TOUCH + DALI

**Dimmer ideale per strutture ricettive, ad esempio camere di hotel: attraverso i pulsanti IR a sfioramento, l'ospite può comandare il dispositivo dalla propria stanza (accensione/spengimento/dimmerazione). L'ingresso DALI consente, inoltre, una gestione centralizzata del dispositivo stesso. Il dimmer prevede due pulsanti IR retroilluminati, ogni pulsante IR è associato ad una sola uscita DALI e la comanda individualmente** | Dimmer ideal for hospitality, as for example hotel rooms: through the IR buttons, guests can control the lamp (switch on/off/dim); thanks to the DALI input, it is also possible a centralized management. The dimmer installs two IR backlit buttons, each IR button is associated to a dedicated DALI output and controls it individually.



<b>Input</b>	24Vdc
<b>Output</b>	Bus DALI 180mA (64 DALI control gears)
<b>Output channels</b>	2
<b>Bus</b>	DALI
<b>Command</b>	integrated IR buttons
<b>Control inputs</b>	DALI
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes. DALI compatible
<b>Accessories</b>	connectors
<b>Dimensions</b>	100x22x10mm

**ORDERING CODE**  
1200EN1688-000-0-DALIV24



front

## EN1667 DIMMER TOUCH

**Dimmer per accensione/spengimento/dimmerazione mediante pressione della molla integrata. Adatto per alloggiamento all'interno di profili LED** | Dimmer to switch on/off/dim by pressure of the integrated spring. Ideal to be installed into LED profiles.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated spring
<b>Control inputs</b>	-
<b>Dimming</b>	4%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	connectors (optional)
<b>Dimensions</b>	65x11,8x16,8mm no connectors 80x11,8x16,8mm with connectors

**ORDERING CODE**  
1200EN1667-200-0-0000V24 on/off  
1200EN1667-200-1-0000V24 on/off - with connector  
1200EN1667-300-0-0000V24 dimmer  
1200EN1667-300-1-0000V24 dimmer - with connector



without connector

## EN0882 DIMMER TOUCH 1A

**Dimmer per accensione/spengimento/dimmerazione mediante sfioramento dell'area touch. Disponibile nella versione resinata IP66/IP68 certificabile** | Dimmer to switch on/off/dim by touch of the dedicated area. Available a resined version IP66/IP68 certifiable.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 1A max)
<b>Output channels</b>	1
<b>Command</b>	integrated touch area
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	resined version (optional)
<b>Dimensions</b>	Ø 24mm

**ORDERING CODE**  
1200EN0882-01 dimmer  
1200EN0882-02 on/off  
1200EN0882-03 on/off - resined  
1200EN0882-04 dimmer - resined



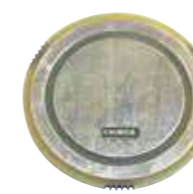
back



resined versioned

## EN1060 DIMMER TOUCH 5A

**Dimmer per accensione/spengimento/dimmerazione mediante sfioramento dell'area touch** | Dimmer to switch on/off/dim by touch of the dedicated area.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated touch area
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	-
<b>Dimensions</b>	Ø 34mm

**ORDERING CODE**  
1200EN1060-001 dimmer  
1200EN1060-002 on/off



back



## EN1059 DIMMER ON/OFF

**Dimmer per accensione/spegnimento mediante sfioramento del sensore IR. Adatto per alloggiamento all'interno di profili LED**  
| Dimmer to switch on/off/dim by touch of the IR sensor. Ideal to be installed into LED profiles.

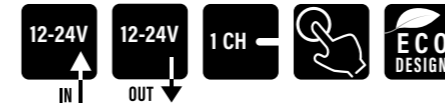


<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated infrared IR sensor
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	53,5x11,5mm

**ORDERING CODE**  
1200EN1059-02

## EN1059 DIMMER & LIGHT SENSOR

**Dimmer ideale per installazione all'interno di mobili, cassetti, ecc. per accensione/spegnimento/dimmerazione a sfioramento del sensore. Il sensore IR, ad aumenti repentini di luce, gestisce l'accensione automatica del carico LED per una durata di 45 secondi. Adatto per alloggiamento all'interno di profili LED** | Dimmer, ideal for furnitures, drawers, etc., to switch on/off/dim by touch-sensitive sensor. The IR sensor, at light increase, automatically activates LED output for 45 seconds. Ideal to be installed into LED profiles.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated infrared IR sensor
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	53,5x11,5mm

**ORDERING CODE**  
1200EN1059-01

## EN1059 LIGHT SENSOR

**Dimmer ideale per installazione all'interno di mobili, cassetti, ecc. per accensione/spegnimento. Il sensore IR, ad aumenti repentini di luce, gestisce l'accensione automatica del carico LED per una durata di 45 secondi. Adatto per alloggiamento all'interno di profili LED** | Dimmer, ideal for furnitures, drawers, etc., to switch on/off. The IR sensor, at light increase, automatically activates LED output for 45 seconds. Ideal to be installed into LED profiles.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A max)
<b>Output channels</b>	1
<b>Command</b>	integrated infrared IR sensor
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	53,5x11,5mm

**ORDERING CODE**  
1200EN1059-03

## EN0875 PIR DETECTION

Dimmer per accensione/spegnimento automatico del carico LED attraverso rilevazione di presenza del sensore PIR, completo di pulsante integrato per il controllo manuale | Dimmer for automatic switch on/off of the LED light load through detection of presence through PIR sensor.



sensor vertical positioning



sensor horizontal positioning plastic box

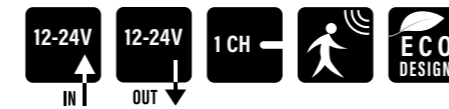
<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A-6A max)
<b>Output channels</b>	1
<b>Command</b>	PIR sensor - integrated push button
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	plastic box (optional)
<b>Dimensions</b>	see datasheet

### ORDERING CODE

1200EN0875-SENS	sensor horizontal positioning
1200EN0875-SENSV	sensor vertical positioning
1200EN0875-BOX	plastic box

## EN1192 SWITCH MOTION

Dimmer per accensione/spegnimento automatico del carico LED attraverso rilevazione di presenza del sensore PIR | Dimmer for automatic switch on/off of the LED light load through detection of presence through PIR sensor.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 5A max)
<b>Output channels</b>	1
<b>Bus</b>	-
<b>Command</b>	PIR sensor
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	-
<b>Dimensions</b>	Ø 46mm

### ORDERING CODE

1200EN1192-001

## EN1067 PIR DETECTION FOR PROFILES

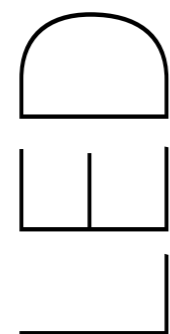
Dimmer per accensione/spegnimento automatico del carico LED attraverso rilevazione di presenza del sensore PIR, completo di pulsante integrato per il controllo manuale. Adatto per alloggiamento all'interno di profili LED | Dimmer for automatic switch on/off of the LED light load through detection of presence through PIR sensor. Ideal to be installed into LED profiles.



<b>Input</b>	12Vdc-24Vdc
<b>Output</b>	12Vdc-24Vdc (PWM dimmable 2,5A-6A max)
<b>Output channels</b>	1
<b>Command</b>	PIR sensor - integrated push button
<b>Control inputs</b>	-
<b>Dimming</b>	0%-100%
<b>Frequency</b>	200Hz
<b>Highlights</b>	protections against: overloads - voltage spikes
<b>Accessories</b>	-
<b>Dimensions</b>	see datasheet

### ORDERING CODE

1200EN1067



LED MODULES

112

FLEX STRIPS

130

LED PRODUCTS

142

SPECIALTY

150



Per tutti i prodotti a catalogo possiamo fornire altre temperature colore CCT e CRI | For all the catalogue products we can provide other color temperatures CCT and CRI



I prodotti a catalogo rispettano i criteri di progettazione ecocompatibile (Ecodesign) e sono registrati al database EPREL | The Entity's products are designed following ecodesign criteria and are registered on the EPREL database

I prodotti a catalogo sono caratterizzati secondo gli standard del produttore LED | The Entity's products are characterized according to the LED manufacturer standard

led  
LED MODULES



**TABLE OF CONTENTS**

TUNABLE WHITE	114
STAR	116
ROUND	122
LINEAR	126

## EN1712 STAR TW

Modulo con 4 LED, 2 bianco caldo 2000K + 2 bianco naturale 4000K | Module with 4 LEDs, 2 warm white 2000K + 2 natural white 4000K.



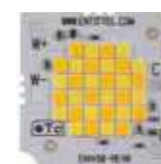
<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	4,5W max (50%+50%)
<b>Light output</b>	400lm max (50%+50%)
<b>LED type</b>	Nichia® NCSLE17AT
<b>Nr. of LEDs</b>	4
<b>CCT</b>	2000K+4000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: 250mm cables - lens Ledil Heidi
<b>Dimensions</b>	27x28mm

**ORDERING CODE**  
1200EN1712-9CW-0-NI17C70  
1200EN1712-9CW-C-NI17C70 with cables



## EN1490 COB 32

Modulo con 32 LED, 16 bianco caldo 2000K + 16 bianco freddo 6500K | Module with 32 LEDs, 16 warm white 2000K + 16 cold white 6500K.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	17W max (50%+50%)
<b>Light output</b>	1900lm max (50%+50%)
<b>LED type</b>	Nichia® NCSLE17AT
<b>Nr. of LEDs</b>	32
<b>CCT</b>	2000K+6500K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: 250mm cables
<b>Dimensions</b>	20x20mm

**ORDERING CODE**  
1200EN1490-9CW-0-NI17C70  
1200EN1490-9CW-C-NI17C70 with cables

## EN1489 COB 16

Modulo con 16 LED, 8 bianco caldo 2000K + 8 bianco freddo 6500K | Module with 16 LEDs, 8 warm white 2000K + 8 cold white 6500K.



<b>Input</b>	350mA
<b>Power</b>	8,4W (50%+50%)
<b>Light output</b>	1000lm (50%+50%)
<b>LED type</b>	Nichia® NCSLE17AT
<b>Nr. of LEDs</b>	16
<b>CCT</b>	2000K+6500K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: 250mm cables - see table for compatible accessories
<b>Dimensions</b>	13,5x13,5mm

**ORDERING CODE**  
1200EN1489-9CW-0-NI17C35  
1200EN1489-9CW-C-NI17C35 with cables

## EN1491 COB 48

Modulo con 48 LED, 24 bianco caldo 2000K + 24 bianco freddo 6500K | Module with 48 LEDs, 24 warm white 2000K + 24 cold white 6500K.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	26W max (50%+50%)
<b>Light output</b>	2800lm max (50%+50%)
<b>LED type</b>	Nichia® NCSLE17AT
<b>Nr. of LEDs</b>	48
<b>CCT</b>	2000K+6500K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: 250mm cables
<b>Dimensions</b>	28x28mm

**ORDERING CODE**  
1200EN1491-9CW-0-NI17C70  
1200EN1491-9CW-C-NI17C70 with cables

### ESEMPIO DI ACCESSORI COMPATIBILI EXAMPLE OF COMPATIBLE ACCESSORIES

<b>DISSIPATORI HEAT SINKS</b>	STUCCHI PF070050-0X-12385 PF070080-0X-12385	STUCCHI PF070050-0X-12385 PF070080-0X-12385	STUCCHI PF085050-0X-12385 PF085080-0X-12385
<b>LENTI LENSES</b>	LEDIL CARMEN 	LEDIL RONDA 	KHATOD PLL2008 
<b>HOLDERS HOLDERS</b>	LEDIL F15255-HEKLA-SOCKET-C 	LEDIL F15255-HEKLA-SOCKET-C 	KHATOD KEL2008 



## EN1354 STAR 24V

Modulo con 6 LED | Module with 6 LEDs.



<b>Input</b>	24Vdc
<b>Power</b>	1,6W
<b>Light output</b>	150lm
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	6
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: 250mm cables - lens Khatod PL1145XX
<b>Dimensions</b>	21x20mm

**ORDERING CODE**

1200EN1354-930-0-L314V24

1200EN1354-930-C-L314V24 with cables



## EN0985 STAR MINI XP-E2

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	3,2W max
<b>Light output</b>	210lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables
<b>Dimensions</b>	Ø 9,8mm

**ORDERING CODE**

1200EN0985-9-C-B11

## EN0786 STAR NICHIA

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA-1500mA-1800mA
<b>Power</b>	5,5W max
<b>Light output</b>	750lm max
<b>LED type</b>	Nichia® NVSL219CT
<b>Nr. of LEDs</b>	1
<b>CCT</b>	4000K
<b>CRI</b>	>80
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	-
<b>Dimensions</b>	21x20mm

**ORDERING CODE**

1200ENSTAR-NIC-BI2

## EN0786 STAR XP-E2

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	3,2W max
<b>Light output</b>	190lm max (2700K)-210lm max (3000K)
<b>LED type</b>	CREE™ XP-E2 - available with CREE™ XP-C - XPG2 - XPG3 - XPL
<b>Nr. of LEDs</b>	1
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - lens Khatod PL1150XX Khatod PL1145XX
<b>Dimensions</b>	21x20mm

**ORDERING CODE**

1200EN0786-927-0-XPE2M00 2700K

1200EN0786-930-0-XPE2M00 3000K

1200EN0786-927-C-XPE2M00 2700K, with cables

1200EN0786-930-C-XPE2M00 3000K, with cables



## EN0985 STAR MINI XHP35 (HD/HI)

**Modulo con 1 LED, disponibile nelle versioni: HD High Density maggiore emissione luminosa, HI High Intensity maggiori candele ed ideale per fasci di emissione stretti** | Module with 1 LED, available in the following versions: HD High Density for higher Light output, HI High Intensity for higher candles and ideal for small angle views.



HD VERSION      HI VERSION



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	12W max
<b>Light output</b>	950lm max (2700K)-1100lm max (3000K)
<b>LED type</b>	CREE™ XHP35 (HD/HI)
<b>Nr. of LEDs</b>	1
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables
<b>Dimensions</b>	Ø 9,8mm

### ORDERING CODE

XHP35 HI versions:	1200EN0985-XHP35-I9-C-BI8	2700K CRI>90, with cables
	1200EN0985-XHP35-I9-C-BI1	3000K CRI>90, with cables
XHP35 HD versions:	1200EN0985-XHP35-D9-C-BI8	2700K CRI>90, with cables
	1200EN0985-XHP35-D9-C-BI1	3000K CRI>90, with cables

## EN1355 STAR MHB-B

**Modulo con 1 LED, disponibile nelle diverse versioni: 9V, 18V, 36V** | Module with 1 LED, available in the following versions: 9V, 18V, 36V.



<b>Input</b>	700mA max (9V)-350mA max (18V)-175mA max (36V)
<b>Power</b>	6,5W max
<b>Light output</b>	650lm max
<b>LED type</b>	CREE™ MHB-B
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - optionals: several compatible reflectors, see datasheet
<b>Dimensions</b>	21x20mm

### ORDERING CODE

1200EN1355-930-C-9MBBC70	3000K CRI>90 700mA 9V, with cables
other versions on demand	

## EN0786 STAR XHP35 (HD/HI)

**Modulo con 1 LED, disponibile nelle versioni: HD High Density maggiore emissione luminosa, HI High Intensity maggiori candele ed ideale per fasci di emissione stretti** | Module with 1 LED, available in the following versions: HD High Density for higher Light output, HI High Intensity for higher candles and ideal for small angle views.



HD VERSION      HI VERSION



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	12W max
<b>Light output</b>	950lm max (2700K)-1100lm max (3000K)
<b>LED type</b>	CREE™ XHP35 (HD/HI)
<b>Nr. of LEDs</b>	1
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - lens LEDIL Crystal
<b>Dimensions</b>	21x20mm

### ORDERING CODE

XHP35 HI versions:	1200ENSTAR-XHP35-I9-BI8	2700K CRI>90
	1200ENSTAR-XHP35-I9-BI1	3000K CRI>90
	1200ENSTAR-XHP35-I9-C-BI8	2700K CRI>90, with cables
	1200ENSTAR-XHP35-I9-C-BI1	3000K CRI>90, with cables
XHP35 HD versions:	1200ENSTAR-XHP35-D9-BI8	2700K CRI>90
	1200ENSTAR-XHP35-D9-BI1	3000K CRI>90
	1200ENSTAR-XHP35-D9-C-BI8	2700K CRI>90, with cables
	1200ENSTAR-XHP35-D9-C-BI1	3000K CRI>90, with cables



## EN1355/EN1356 STAR XHP50.2

**Modulo con 1 LED, disponibile nelle versioni: 6V, 12V** | Module with 1 LED, available in the following versions: 6V, 12V.



<b>Input</b>	3000mA (6V)-1500mA (12V)
<b>Power</b>	18W max
<b>Light output</b>	1600lm max
<b>LED type</b>	CREE™ XHP50.2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - lens LEDIL Iris
<b>Dimensions</b>	21x20mm

### ORDERING CODE

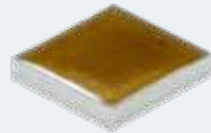
1200EN1355-930-0-6XP53M0	3000K 3000mA 6V
1200EN1355-930-C-6XP53M0	3000K 3000mA 6V, with cables
1200EN1356-930-0-2XP5M50	3000K 1500mA 12V
1200EN1356-930-C-2XP5M50	3000K 1500mA 12V, with cables



Available **on demand** Star boards compatible with  
**MHD-E MHD-G XHP-70**

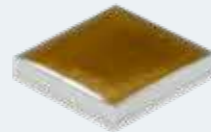
### CREE™ MHD-E

<b>Product options</b>	9V-18V-36V
<b>Power</b>	13W max
<b>Light output</b>	1807lm max



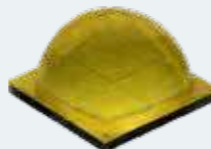
### CREE™ MHD-G

<b>Product options</b>	18V-36V
<b>Power</b>	19W max
<b>Light output</b>	2545lm max



### CREE™ XHP70.2

<b>Product options</b>	6V-12V
<b>Power</b>	29W max
<b>Light output</b>	4292lm max



### EN0969 STAR XML2

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA (12V)
<b>Power</b>	12W max
<b>Light output</b>	900lm max
<b>LED type</b>	CREE™ XML2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	2700K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables
<b>Dimensions</b>	21x20mm

**ORDERING CODE**  
1200ENSTAR-XML-C-90-BI8

### EN1121 STAR XML2 RGBW

Modulo con 1 LED RGB+W | Module with 1 RGB+W LED.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	13W max
<b>Light output</b>	975lm max
<b>LED type</b>	CREE™ XML2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	RGBW (white 4000K-6000K)
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	optionals: 250mm cables
<b>Dimensions</b>	21x20mm

**ORDERING CODE**  
1200ENSTAR-XML-RGB-BI2 RGBW 4000K  
1200ENSTAR-XML-RGB-BIO RGBW 6000K  
1200ENSTAR-XML-C-RGB-BI2 RGBW 4000K, with cables  
1200ENSTAR-XML-C-RGB-BIO RGBW 6000K, with cables

## EN1366 ROUND XP-E2

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	3,2W max
<b>Light output</b>	275lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - lens Ledil Emily
<b>Dimensions</b>	Ø 30mm

### ORDERING CODE

1200EN1366-830-0-XPE2M05  
1200EN1366-830-C-XPE2M05 with cables



## EN1433 ROUND XHP-35.2 (HD/HI)

Modulo con 1 LED | Module with 1 LED.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	12,5W max
<b>Light output</b>	950lm max
<b>LED type</b>	CREE™ XHP-35.2 (HD/HI)
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - lenses: Ledil Heidi, Ledil Iris, Khatod PLL2269SAXX - see data-sheet
<b>Dimensions</b>	Ø 27mm

### ORDERING CODE

XHP35 HI versions: 1200EN1433-930-0-X35IM05  
1200EN1433-930-C-X35IM05 with cables  
XXHP35 HD versions: 1200EN1433-930-C-X35DM05  
1200EN1433-930-C-X35DM05 with cables



## EN1305 ROUND MHB-A MHB-B

Modulo con 1 LED, disponibile nelle diverse versioni: 9V, 18V, 36V | Module with 1 LED, available in the following versions: 9V, 18V, 36V



<b>CV version input</b>	12Vdc-48Vdc (9V LED)
<b>CV version power</b>	5,5W max
<b>CV version light output</b>	520lm max
<b>CC version input</b>	700mA max (9V) - 350mA max (18V) - 175mA max (36V)
<b>CC version power</b>	6,3W max
<b>CC version light output</b>	570lm max
<b>LED type</b>	CREE™ MHB-A MHB-B - compatible with CREE™ XHP-50 (on demand)
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: 250mm cables - reflector Ledil Mirella
<b>Dimensions</b>	Ø 39,6mm CV version - Ø 38mm CC version

### ORDERING CODE

1200EN1305-930-C-9MBBV48 12-48Vdc, with cables  
1200EN1305-930-0-9MBAC70 700mA 9V  
1200EN1305-930-C-9MBAC70 700mA 9V, with cables



## EN0842 DISCO 3

Modulo con 3 LED | Module with 3 LEDs.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	9,6W max
<b>Light output</b>	825lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	3
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - optionals: lens Khatod PL1143XX
<b>Dimensions</b>	Ø 22,6mm

### ORDERING CODE

1200ENDISCO3-B1-B11



## EN0847 ROUND 3

Modulo con 3 LED | Module with 3 LEDs.



<b>CV version input</b>	12Vdc-24Vdc
<b>CV version power</b>	4W max
<b>CV version light output</b>	275lm max
<b>CC version input</b>	350mA-500mA-700mA-1000mA
<b>CC version power</b>	9,6W max
<b>CC version light output</b>	825lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	3
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables
<b>Dimensions</b>	Ø 46mm

### ORDERING CODE

1200EN0847-V2435-B1-B11 12Vdc-24Vdc  
1200EN0847-C35-B1-B11 350mA

## EN0845 ROUND 7

Modulo con 7 LED | Module with 7 LEDs.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	22,5W max
<b>Light output</b>	1900lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	7
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - optionals lenses Khatod PL1211XX-CREE - PL1214XX-CRE
<b>Dimensions</b>	Ø 39mm

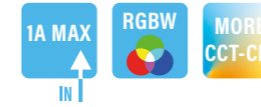
### ORDERING CODE

1200ENDISCO7-B1-B11



## EN1911 ROUND RGBW

Modulo con 4 LED RGBW | Module with 4 RGBW LEDs.



<b>Input</b>	350mA-500mA-700mA-1000mA
<b>Power</b>	12W max
<b>Light output</b>	710lm max
<b>LED type</b>	CREE™ XQ-E HI
<b>Nr. of LEDs</b>	4
<b>CCT</b>	RGBW (white 3000K CRI>90)
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	optionals: 250mm cables - lenses: Khatod PL1133XX - Khatod PL1590 - Ledil C16194 Ga- briella
<b>Dimensions</b>	30x29,4mm

### ORDERING CODE

1200EN1911-RGBW-004  
1200EN1911-RGBW-005 with cables





## EN1832 LINEAR 70LED

Modulo con 70 LED | Module with 70 LEDs.



<b>Input</b>	24Vdc
<b>Power</b>	8,5W-12W
<b>Light output</b>	1700lm max
<b>LED type</b>	CREE™ 2835
<b>Nr. of LEDs</b>	70
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	-
<b>Dimensions</b>	500x12mm - cuttable every 50mm

### ORDERING CODE

1200EN1832-930-Z-28JEV24	8,5W
1200EN1832-930-J-28JEV24	12W

## EN1955 LINEAR 122 LED

Modulo con 122 LED | Module with 122 LEDs.



<b>Input</b>	24Vdc
<b>Power</b>	7W-16W
<b>Light output</b>	1900lm max
<b>LED type</b>	CREE™ 2016
<b>Nr. of LEDs</b>	122
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	-
<b>Dimensions</b>	560x5,8mm - cuttable every 35mm

### ORDERING CODE

1200EN1955-008	7W
1200EN1955-004	16W

## EN1830 LINEAR 120LED

Modulo con 120 LED, compatibile con binari a bassa tensione MICRO di A.A.G. Stucchi. Disponibili in quattro versioni: solo modulo, modulo-testa (cavi+connettori), di congiunzione (connettori), modulo con cavi da un solo lato | Module with 120 LEDs, compatible with MICRO LV tracks from A.A.G. Stucchi. Available in four versions: only module, head-module (cables+connectors), connection-module (connectors), module with cables on one side.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	26W max
<b>Light output</b>	3100lm max (2700K)-3300lm max (3000K)
<b>LED type</b>	CREE™ 2016
<b>Nr. of LEDs</b>	120
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: connectors - cables+connectors - cables/one side
<b>Dimensions</b>	500x7mm - cuttable every 50mm

### ORDERING CODE

1200EN1830-927-0	2700K, only module
1200EN1830-930-0	3000K, only module
1200EN1830-927-1	2700K, connection-module (with connectors)
1200EN1830-930-1	3000K, connection-module (with connectors)
1200EN1830-927-2	2700K, head-module (cables+connectors)
1200EN1830-930-2	3000K, head-module (cables+connectors)
1200EN1830-927-3	2700K, cables one side
1200EN1830-930-3	3000K, cables one side

### related item

▶ at page 42

## EN1792 LINEAR 48LED 200LM/W

Modulo con 48 LED con efficienza 200lm/W, compatibile con le principali lenti lineari Zhaga book 7, come ad esempio Khatod Superlinea in PMMA, resistente a temperature -40° + 80° con versioni IP65. Per maggiori informazioni: [www.khatod.com](http://www.khatod.com) | Module with 48 LEDs with 200lm/W efficiency, compatible with the main linear lenses Zhaga book 7; for example, Khatod Superlinea in PMMA, -40° +80° temperature resistant with IP65 versions. For more information: [www.khatod.com](http://www.khatod.com)



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	24,5W max
<b>Light output</b>	4200lm max
<b>LED type</b>	Osram® Duris
<b>Nr. of LEDs</b>	48
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: lens Khatod Superlinea
<b>Dimensions</b>	559x23,6mm

### ORDERING CODE

1200EN1792-830-0-280SC50
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## EN1792 LINEAR 48LED CRI&gt;95

Modulo con 48 LED CRI>95, compatibile con le principali lenti lineari Zhaga book 7, come ad esempio Khatod Superlinea in PMMA, resistente a temperature -40° + 80° con versioni IP65. Per maggiori informazioni: [www.khatod.com](http://www.khatod.com) | Module with 48 LEDs CRI>95, compatible with the main linear lenses Zhaga book 7; for example, Khatod Superlinea in PMMA, -40° +80° temperature resistant with IP65 versions. For more information: [www.khatod.com](http://www.khatod.com)



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	26W max
<b>Light output</b>	3050lm max
<b>LED type</b>	Cree™ 2835
<b>Nr. of LEDs</b>	48
<b>CCT</b>	3000K
<b>CRI</b>	>95
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: lens Khatod Superlinea
<b>Dimensions</b>	559x23,6mm

**ORDERING CODE**  
1200EN1792-530-0-28JEC50



## EN1792 LINEAR TW

Modulo con 48+48 LEDs, bianco dinamico, compatibile con le principali lenti lineari Zhaga book 7, come ad esempio Khatod Superlinea in PMMA, resistente a temperature -40° + 80° con versioni IP65. Per maggiori informazioni: [www.khatod.com](http://www.khatod.com) | Module with 48+48 LEDs, tunable white, compatible with the main linear lenses Zhaga book 7; for example, Khatod Superlinea in PMMA, -40° +80° temperature resistant with IP65 versions. For more information: [www.khatod.com](http://www.khatod.com)



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	25W max (50%+50%)
<b>Light output</b>	4200lm max (50%+50%)
<b>LED type</b>	Osram® Duris
<b>Nr. of LEDs</b>	48+48
<b>CCT</b>	2700K-6500K
<b>CRI</b>	>80
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	optionals: lens Khatod Superlinea
<b>Dimensions</b>	559x23,6mm

**ORDERING CODE**  
1200EN1792-8CW-0-280SC50



## EN1801 LINEAR STOCK&amp;SHOP

Modulo con 33 LED compatibile con lenti Khatod serie "Stock&Shop 11x3", soluzione ottica per sistemi di illuminazione utilizzati in ambienti con soffitti alti e strutture industriali. Soddisfano i requisiti per le applicazioni che richiedono un'alta efficienza sia in termini energetici che d'illuminazione. Per maggiori informazioni: [www.khatod.com](http://www.khatod.com) | Module with 33 LEDs compatible with Khatod lenses "Stock&Shop 11x3", optical solution for lighting systems used in rooms with high ceilings and industrial framing. Perfectly meet the requirements for applications that need high-efficiency lighting while being energy efficient. For more information: [www.khatod.com](http://www.khatod.com)



<b>Input</b>	350mA-500mA
<b>Power</b>	38W max
<b>Light output</b>	4000lm max
<b>LED type</b>	CREE™ 3030
<b>Nr. of LEDs</b>	33
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	optionals: lens Khatod Stock&Shop 11x3
<b>Dimensions</b>	276x55mm

**ORDERING CODE**  
1200EN1801-930-0-CR33000



led  
**FLEX STRIPS**



**TABLE OF CONTENTS**

HI-STRIP	132
LONG-LIFE	137
STYLING STRIP	139

## EN1430 70 LED/MT

Strip flessibile 70 LED/mt | Flexible strip 70 LEDs/mt.

24V



<b>Input</b>	24Vdc
<b>Power</b>	7,2W/mt - 14,4W/mt
<b>Light output</b>	<b>version 7,2W/mt:</b> 650lm/mt (2700K)-750lm/mt (3000K) <b>version 14,4W/mt:</b> 1300lm/mt (2700K)-1500lm/mt (3000K)
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	70LED/mt
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5008x8mm - cuttable every 100mm

### ORDERING CODE

1200EN1430-927-K-L314V24	2700K 7,2W/mt
1200EN1430-927-Q-L314V24	2700K 14,4W/mt
1200EN1430-930-K-L314V24	3000K 7,2W/mt
1200EN1430-930-Q-L314V24	3000K 14,4W/mt

## EN1430 140 LED/MT

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt - 28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt:</b> 1400lm/mt (2700K)-1500lm/mt (3000K) <b>version 28,8W/mt:</b> 2800lm/mt (2700K)-3000lm/mt (3000K)
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5008x8mm - cuttable every 100mm

### ORDERING CODE

1200EN1430-927-H-L314V24	2700K 14,4W/mt
1200EN1430-927-G-L314V24	2700K 28,8W/mt
1200EN1430-930-H-L314V24	3000K 14,4W/mt
1200EN1430-930-G-L314V24	3000K 28,8W/mt

## EN1430 TW

Strip flessibile con 140 LED/mt, 70 bianco caldo 2200K + 70 bianco freddo 6500K | Flexible strip with 140 LEDs/mt, 70 warm white 2200K + 70 cold white 6500K.

24V



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt-28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt (50%+50%):</b> 1500lm/mt (50%+50%) <b>version 28,8W/mt (50%+50%):</b> 3000lm/mt (50%+50%)
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	2200K-6500K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5008x8mm - cuttable every 100mm

### ORDERING CODE

1200EN1430-9CW-H-L314V24	14,4W/mt
1200EN1430-9CW-G-L314V24	28,8W/mt

## EN1574 140 LED/MT

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt - 28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt:</b> 1450lm/mt (2700K)-1500lm/mt (3000K) <b>version 28,8W/mt:</b> 2900lm/mt (2700K)-3000lm/mt (3000K)
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5004x8mm - cuttable every 50mm

### ORDERING CODE

1200EN1574-927-H-28ELV24	2700K 14,4W/mt
1200EN1574-927-G-28ELV24	2700K 28,8W/mt
1200EN1574-930-H-28ELV24	3000K 14,4W/mt
1200EN1574-930-G-28ELV24	3000K 28,8W/mt

## EN1574 140 LED/MT CRISP

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt - 28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt:</b> 1680lm/mt (3000K)-1830lm/mt (4000K), <b>version 28,8W/mt:</b> 3250lm/mt (3000K)-3550lm/mt (4000K)
<b>LED type</b>	Lumileds® Luxeon Crisp Color
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	3000K-4000K
<b>CRI</b>	>95 R9>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5004x8mm - cuttable every 50mm

### ORDERING CODE

1200EN1574-930-H-28CCV24	3000K 14,4W/mt
1200EN1574-930-G-28CCV24	3000K 28,8W/mt
1200EN1574-940-H-28CCV24	4000K 14,4W/mt
1200EN1574-940-G-28CCV24	4000K 28,8W/mt

## EN1575 140 LED/MT 48V

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	48Vdc
<b>Power</b>	14,4W/mt - 28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt:</b> 1450lm/mt (2700K)-1600lm/mt (3000K) <b>version 28,8W/mt:</b> 2900lm/mt (2700K)-3200lm/mt (3000K)
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5004x8mm - cuttable every 100mm

### ORDERING CODE

1200EN1575-927-H-28ELV48	2700K 14,4W/mt
1200EN1575-927-G-28ELV48	2700K 28,8W/mt
1200EN1575-930-H-28ELV48	3000K 14,4W/mt
1200EN1575-930-G-28ELV48	3000K 28,8W/mt

## EN1757 210 LED/MT

Strip flessibile 210 LED/mt | Flexible strip 210 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt
<b>Light output</b>	1700lm/mt
<b>LED type</b>	CREE™ 2016
<b>Nr. of LEDs</b>	210LED/mt
<b>CCT</b>	2700K
<b>CRI</b>	>90
<b>Binning</b>	3Step
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5002x5mm - cuttable every 33,33mm

### ORDERING CODE

1200EN1757-927-H-2016V24	
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## EN1789 210 LED/MT 48V

Strip flessibile 210 LED/mt | Flexible strip 210 LEDs/mt.



<b>Input</b>	48Vdc
<b>Power</b>	13,4W/mt
<b>Light output</b>	1600lm (2700K)-1800lm/mt (3000K)
<b>LED type</b>	CREE™ 2016
<b>Nr. of LEDs</b>	210LED/mt
<b>CCT</b>	2700K-3000K
<b>CRI</b>	>90
<b>Binning</b>	3Step
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5002x4mm - cuttable every 71,41mm

### ORDERING CODE

1200EN1789-927-H-2016V48	2700K
1200EN1789-930-H-2016V48	3000K



## EN1736 TW 48V

Strip flessibile con 186 LED/mt, 93 bianco caldo 2200K + 93 bianco freddo 6500K | Flexible strip with 186 LEDs/mt, 93 warm white 2200K + 93 cold white 6500K.



<b>Input</b>	48Vdc
<b>Power</b>	19W/mt-38W/mt
<b>Light output</b>	<b>version 19W/mt (50%+50%):</b> 1100lm/mt <b>version 38W/mt (50%+50%):</b> 2200lm/mt
<b>LED type</b>	Lumileds® Luxeon
<b>Nr. of LEDs</b>	196LED/mt
<b>CCT</b>	2200K-6500K
<b>CRI</b>	>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5008x8mm - cuttable every 150,4mm

**ORDERING CODE**  
1200EN1736-9CW-H-L314V48 19W/mt  
1200EN1736-9CW-G-L314V48 38W/mt

## STRIP 120 TUBE 90°

Strip flessibile 120 LED/mt, in tubo IP67, emissione luminosa 90° | Flexible strip 120 LEDs/mt, tube IP67, 90° lighting emission.



<b>Input</b>	24Vdc
<b>Power</b>	9,6W/mt
<b>Light output</b>	900lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	120LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP67 tube
<b>Accessories</b>	supplied in 5mt reels - 100mm cables+connector / both sides
<b>Dimensions</b>	5000x8mm - cuttable every 50mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL120T-30K8C-E3024

## STRIP 60

Strip flessibile 60 LED/mt, disponibile in tre varianti: IP20, silicone IP65, tubo IP67 | Flexible strip 60 LEDs/mt, available in three versions: IP20, silicone IP65, tube IP67.



<b>Input</b>	24Vdc
<b>Power</b>	4,8W/mt
<b>Light output</b>	552lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	60LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP20-IP65 sil.-IP67 tube
<b>Accessories</b>	supplied in 5mt reels - 100mm cables+connector / both sides
<b>Dimensions</b>	IP20 indoor: 5000x8mm - IP65 sil.: 5000x10mm - IP67 tube: 5000x11mm - cuttable every 100mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL060N-30K9C-E2824  
1300LL060S-30K9C-E2824  
1300LL060T-30K9C-E2824



IP65

IP67

## STRIP 128

Strip flessibile 128 LED/mt, disponibile in tre varianti: IP20, silicone IP65, tubo IP67 | Flexible strip 128 LEDs/mt, available in three versions: IP20, silicone IP65, tube IP67.



IP65

IP67

<b>Input</b>	24Vdc
<b>Power</b>	9,6W/mt
<b>Light output</b>	1240lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	128LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP20-IP65 sil.-IP67 tube
<b>Accessories</b>	supplied in 5mt reels - 100mm cables+connector / both sides
<b>Dimensions</b>	IP20 indoor: 5000x8mm - IP65 sil.: 5000x10mm - IP67 tube: 5000x11mm - cuttable every 62,50mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL128N-30K9C-02824  
1300LL128S-30K9C-02824  
1300LL128T-30K9C-02824

## STRIP 128 POWER

Strip flessibile 128 LED/mt power, disponibile in tre varianti: IP20, silicone IP65, tubo IP67 | Power flexible strip 128 LEDs/mt, available in three versions: IP20, silicone IP65, tube IP67.



IP65

IP67

<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt
<b>Light output</b>	1800lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	128LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP20-IP65 sil.-IP67 tube
<b>Accessories</b>	supplied in 5mt reels - 100mm cables+connector / both sides
<b>Dimensions</b>	IP20 indoor: 5000x8mm - IP65 sil.: 5000x10mm - IP67 tube: 5000x11mm - cuttable every 62,50mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL128N-30K9C-P2824  
1300LL128S-30K9C-P2824  
1300LL128T-30K9C-P2824

## STRIP HALLEY

Strip flessibile 336 LED/mt, coestrusa IP65 | Flexible strip 336 LEDs/mt, co-extruded IP65.



<b>Input</b>	24Vdc
<b>Power</b>	10,4W/mt
<b>Light output</b>	978lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	336LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP65
<b>Accessories</b>	supplied in 5mt reels - 100mm cables/one side
<b>Dimensions</b>	5000x6mm - cuttable every 20,8mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL336S-30K9C-02224

## STRIP LYRA

Strip flessibile 128 LED/mt, coestrusa IP67 | Flexible strip 128 LEDs/mt, co-extruded IP67.



<b>Input</b>	24Vdc
<b>Power</b>	12W/mt
<b>Light output</b>	1100lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	128LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP67
<b>Accessories</b>	supplied in 5mt reels - 100mm. Optionals: end caps - fastening clips cables/one side
<b>Dimensions</b>	5000x6x12mm - cuttable every 50mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL128C-30KLY-02824

## STRIP SHINE

Strip flessibile 266 LED/mt, coestrusa IP66 | Flexible strip 266 LEDs/mt, co-extruded IP66.



<b>Input</b>	24Vdc
<b>Power</b>	13,18W/mt
<b>Light output</b>	1252lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	266LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>90
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP66
<b>Accessories</b>	supplied in 5mt reels - 100mm cables/one side. Optionals: end caps - Lancillotto profile
<b>Dimensions</b>	5000x12x10mm - cuttable every 26,3mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL266C-30KSN-02024

## STRIP MOON

Strip flessibile 120 LED/mt, coestrusa IP67 | Flexible strip 120 LEDs/mt, co-extruded IP67.



<b>Input</b>	24Vdc
<b>Power</b>	9,6W/mt
<b>Light output</b>	950lm/mt
<b>LED type</b>	Entity®
<b>Nr. of LEDs</b>	120LED/mt
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>IP rating</b>	IP67
<b>Accessories</b>	supplied in 5mt reels - 100mm cables/one side. Optionals: end caps - fastening clips
<b>Dimensions</b>	5000x25x10mm - cuttable every 50mm
<b>Approval marks</b>	UL

**ORDERING CODE**  
1300LL120C-30KMN-93024

led  
LED PRODUCTS

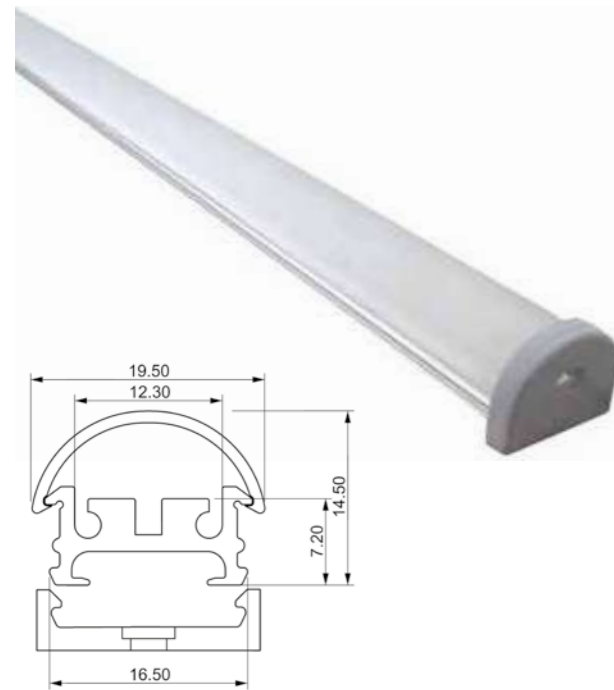


**TABLE OF CONTENTS**

PROFILES	144
SPOTLIGHTS	147

## EXCALIBUR

Profilo a LED in alluminio (varie finiture), completo di accessori | Aluminium LED profile (several finishes), complete of all accessories.



### ORDERING CODES

<b>Profile, 2mt</b>	■ 430400069	aluminium
	■ 430400070	black
	□ 430400071	white
<b>Cover, 2mt</b>	▨ 430400281	frosted
	□ 430400306	transparent
<b>End caps (kit for 5 profiles: 10 pcs in total)</b>	■ 430400302	aluminium
	■ 430400294	black
	□ 430400295	white
<b>Fastening clips</b>	■ 430400097	aluminium
	■ 430400098	black
	□ 430400099	white
<b>Wall brackets (kit 20pcs)</b>	430400007	

## LANCILOTTO

Profilo a LED in alluminio (varie finiture), completo di accessori | Aluminium LED profile (several finishes), complete of all accessories.

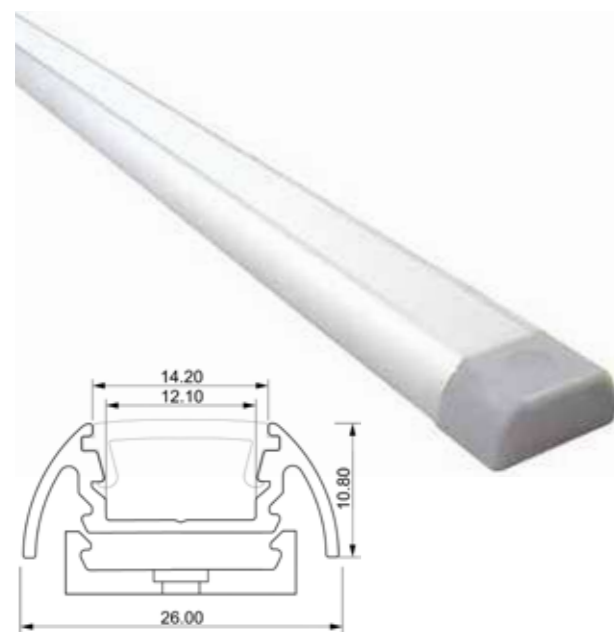


### ORDERING CODES

<b>Profile, 2mt</b>	■ 430400078	aluminium
	■ 430400079	black
	□ 430400080	white
<b>Cover, 2mt</b>	▨ 430400424	frosted
	□ 430400292	transparent
	▨ 430400291	opal
	▨ 430400453	square, opal
<b>End caps (kit for 5 profiles: 10 pcs in total)</b>	■ 430400011	aluminium
	■ 430400058	black
	□ 430400057	white
<b>Bracket for recessed applications</b>	■ 430400064	aluminium

## ARTU'

Profilo a LED in alluminio (varie finiture), completo di accessori | Aluminium LED profile (several finishes), complete of all accessories.

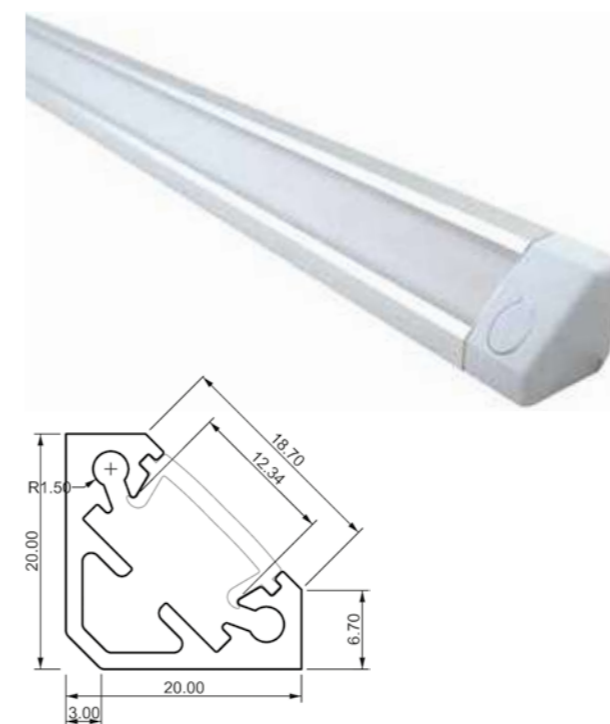


### ORDERING CODES

<b>Profile, 2mt</b>	■ 430400087	aluminium
	■ 430400090	black
	□ 430400091	white
<b>Cover, 2mt</b>	▨ 430400424	frosted
	□ 430400292	transparent
	▨ 430400291	opal
	▨ 430400453	square, opal
<b>End caps (kit for 5 profiles: 10 pcs in total)</b>	■ 430400014	aluminium
	■ 430400056	black
	□ 430400055	white
<b>Fastening clips</b>	■ 430400097	aluminium
	■ 430400098	black
	□ 430400099	white

## TRISTANO

Profilo a LED in alluminio (varie finiture), completo di accessori | Aluminium LED profile (several finishes), complete of all accessories.



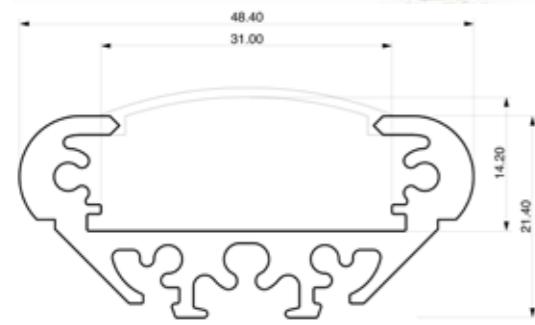
### ORDERING CODES

<b>Profile, 2mt</b>	■ 430400074	aluminium
	■ 430400030	black
	□ 430400034	white
<b>Cover, 2mt</b>	▨ 430400424	frosted
	□ 430400292	transparent
	▨ 430400291	opal
	▨ 430400453	square, opal
<b>End caps (kit for 5 profiles: 10 pcs in total)</b>	■ 430400037	aluminium
	■ 430400060	black
	□ 430400059	white
<b>Bracket for recessed applications</b>	■ 430400064	aluminium



## CAMELOT

Profilo a LED in alluminio (varie finiture), completo di accessori | Aluminium LED profile (several finishes), complete of all accessories.



### ORDERING CODES

#### Profile, 2mt

- 430400296 aluminium
- 430400297 black
- 430400298 white

#### Cover, 2mt

- 430400293 frosted
- 430400308 transparent

#### End caps (kit for 5 profiles: 10 pcs in total)

- 430400386 aluminium
- 430400388 black
- 430400387 white

#### Fastening clips

- 430400097 aluminium
- 430400098 black
- 430400099 white

## NANO ALLUSPOT

Spot con 1 LED | Spot with 1 LED.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	2,5W max
<b>Light output</b>	190lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - integrated lens 60° - thread M16
<b>Dimensions</b>	Ø 17mm

**ORDERING CODE**  
1200EN0857-A-B11

## SPOT H3

Spot con 1 LED | Spot with 1 LED.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	2,5W max
<b>Light output</b>	190lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - integrated lens 15° - 30° - 60° - thread 1/2 NPT
<b>Dimensions</b>	Ø 27mm

**ORDERING CODE**  
1200ENSPOTH3-C15-B11 lens 15°  
1200ENSPOTH3-C30-B11 lens 30°  
1200ENSPOTH3-C60-B11 lens 60°

## SPOT H4

Spot con 1 LED | Spot with 1 LED.



<b>Input</b>	350mA-500mA-700mA
<b>Power</b>	2,5W max
<b>Light output</b>	190lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - integrated lens 12° - 30° - 40° - thread PG21
<b>Dimensions</b>	Ø 35mm

### ORDERING CODE

1200ENSPOTH4-N-B11	lens 12°
1200ENSPOTH4-M-B11	lens 30°
1200ENSPOTH4-W-B11	lens 40°

## SPOT H4

Spot con 1 LED | Spot with 1 LED.



<b>Input</b>	350mA
<b>Power</b>	1,2W max
<b>Light output</b>	180lm max
<b>LED type</b>	Seoul® P5 II
<b>Nr. of LEDs</b>	1
<b>CCT</b>	RGB
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	250mm cables - integrated lens - thread PG21
<b>Dimensions</b>	Ø 35mm

### ORDERING CODE

1200ENSPOTH4-N-RGBFC	lens 12°
1200ENSPOTH4-M-RGBFC	lens 30°
1200ENSPOTH4-W-RGBFC	lens 40°

## SPOT H11

Spot con 1 LED | Spot with 1 LED.



<b>Input</b>	350mA
<b>Power</b>	1,2W max
<b>Light output</b>	130lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	1
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	250mm cables - integrated lens
<b>Dimensions</b>	Ø 30mm

### ORDERING CODE

1200ENSPOTH11-T-N-B11	lens 15°
1200ENSPOTH11-T-M-B11	lens 30°
1200ENSPOTH11-T-W-B11	lens 60°

## ECO-DICHROIC GU 5.3

Dicroica 3 LED con connettore GU 5.3 per la sostituzione delle dicroiche alogene | Dichroic 3 LEDs with GU 5.3 connector ideal for the replacement of traditional halogen dichroics.



<b>Input</b>	12Vac
<b>Power</b>	3,6W
<b>Light output</b>	390lm max
<b>LED type</b>	CREE™ XP-E2
<b>Nr. of LEDs</b>	3
<b>CCT</b>	3000K
<b>CRI</b>	>80
<b>Binning</b>	Planckiana centered bin
<b>Accessories</b>	lens 60° - connector GU 5.3
<b>Dimensions</b>	Ø 35mm

### ORDERING CODE

1200EN0661-E-B11
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led  
SPECIALTY



**TABLE OF CONTENTS**

FOOD	152
STREET LIGHTING	154
PHOTOLITOGRAPHY & WINE	156
RETAIL	157

## ILLUMINARE GLI ALIMENTI FOOD LIGHTING LED

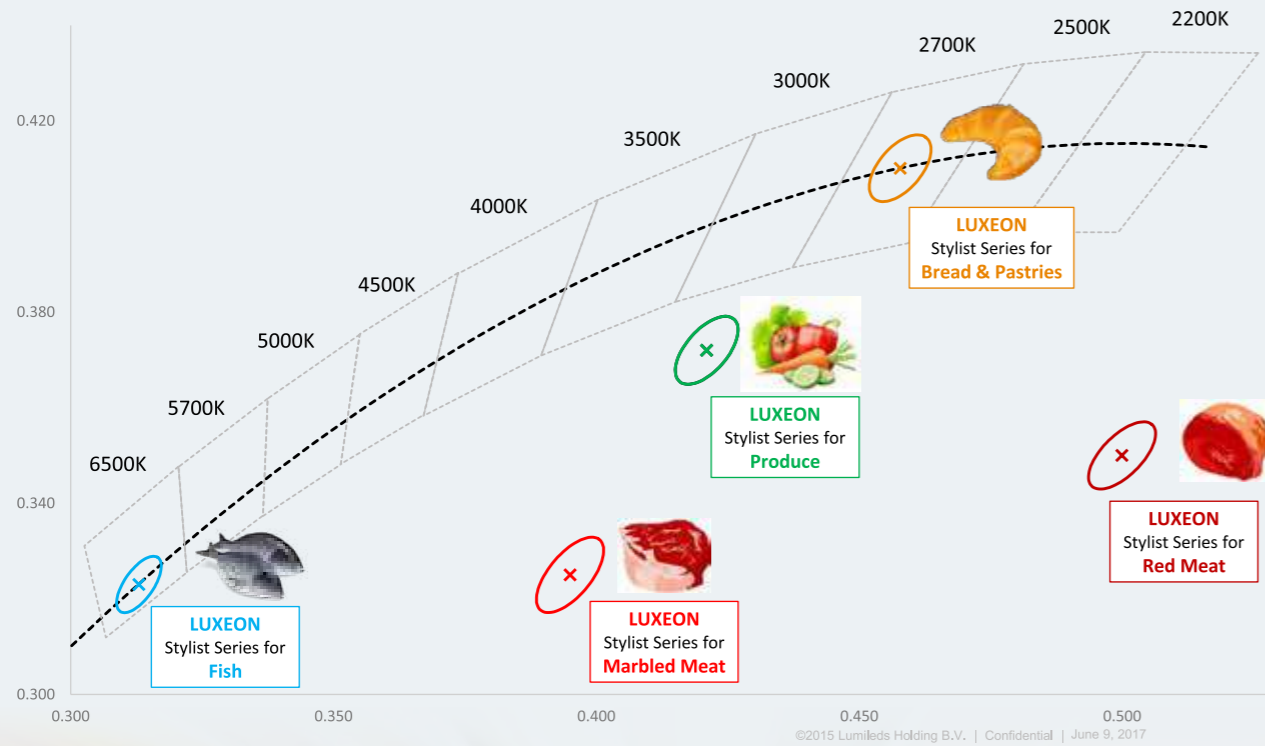
E' dimostrato che attraverso l'esperienza visiva giudichiamo la qualità e la freschezza di un prodotto e quindi la buona presentazione dei generi alimentari è fondamentale per ottenere ottimi risultati di vendita.

Le Stick e Strip LED per FOOD, appositamente progettate per esaltare l'aspetto dei cibi, sono disponibili in versioni specifiche per carne fresca, carne confezionata, pane, pesce, ortofrutta, ecc.

Le caratteristiche di questa nuova tecnologia si possono riassumere in: temperatura di colore (K) e spettro di emissione dedicati, elevata resa cromatica, bassissima emissione di raggi UV ed IR, risparmio energetico, lunga durata di vita.

Through the visual experience we judge the quality and freshness of a product. For this reason a good exposition of foodstuffs is crucial to encourage sales. Stick and Strip LED for food have been designed to light up food and are available with specific solutions for fresh meat, packed meat, bread, fish, vegetables and so on.

The main characteristics of this new technology can be summarized as: dedicated color temperature (K) and emission spectrum, high color rendering, low emission of UV and IR, energy saving, long lifetime.



## EN1430 STRIP MARBLED MEAT

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	28,8W/mt
<b>Light output</b>	2400lm/mt
<b>LED type</b>	Lumileds® Luxeon FreshFocus Technology™
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	marbled meat
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5008x8mm - cuttable every 100mm

**ORDERING CODE**  
1200EN1430-8MM-G-L314V24

## EN1574 STRIP FOOD

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	28,8W/mt
<b>Light output</b>	2200lm/mt - 3700lm/mt
<b>LED type</b>	Lumileds® Luxeon FreshFocus Technology™
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	fish-marbled meat-produce-red meat-bread & pastries
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5004x8mm - cuttable every 50mm

**ORDERING CODE**

1200EN1574-OFS-G-28CFV24	STRIP 140L/M 2835CA FISH 24V 60mA 5MT
1200EN1574-0MM-G-28CFV24	STRIP 140L/M 2835CA MARBLE MEAT 24V 60mA 5MT
1200EN1574-OPR-G-28CFV24	STRIP 140L/M 2835CA PRODUCE 24V 60mA 5MT
1200EN1574-ORM-G-28CFV24	STRIP 140L/M 2835CA RED MEAT 24V 60mA 5MT



## SOLUZIONI LED PER IL SETTORE STRADALE

Entity è a disposizione per supportare il cliente nella progettazione e produzione di soluzioni LED ad alta potenza per il settore stradale, selezionando i migliori LED e componenti per la migliore efficienza lm/W.

Ad esempio, XHP series CREE Extreme-High-Power LEDs

"iXLamp® Extreme High Power (XHP) LED di Cree forniscono il doppio del flusso luminoso e maggiore affidabilità per consentire fino a costi di sistema inferiori del 40%.

Produttori di illuminazione possono ridurre drasticamente le dimensioni ed il costo della progettazione del sistema di illuminazione con un minor numero di ottiche, un circuito stampato più piccolo e quindi un costo di montaggio più basso.

Inoltre, i LED XHP possono raggiungere una vita maggiore anche a temperature di funzionamento più elevate dello standard, consentendo ai produttori di illuminazione di ridurre le dimensioni del dissipatore di calore senza impattare la durata nominale."

## LED SOLUTIONS FOR STREET LIGHTING

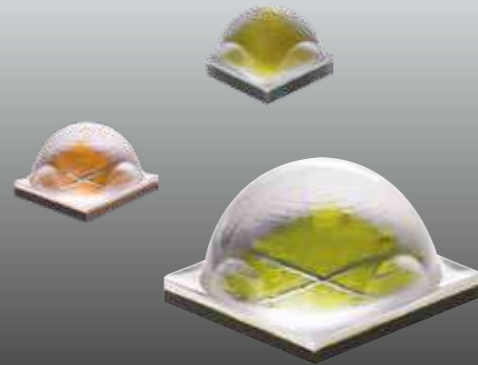
Entity supports the client in designing and manufacturing high power LED solutions for street lighting, by selecting the best LEDs and components for the higher lm/W efficiency.

For example, XHP series CREE Extreme-High-Power LEDs

"Cree's new iXLamp® Extreme High Power (XHP) LEDs provide twice the lumen output and improved reliability to enable up to 40% lower system cost.

Lighting manufacturers can drastically reduce the size and cost of their lighting system design by using fewer, more-reliable LEDs to achieve the same brightness. XHP LEDs enable new lighting designs that require fewer optics, a smaller printed circuit board, a smaller housing and less handling.

In addition, XHP LEDs achieve longer lifetimes even at higher operating temperatures and currents than previous LED technology, allowing lighting manufacturers to reduce heat-sink size and cost without impacting the rated lifetime."



## EN1380 STREET RECTANGULAR

Modulo con 4 LED | Module with 4 LEDs.



<b>Input Power</b>	350mA-500mA-700mA-1000mA
<b>Light output</b>	52W max
<b>LED type</b>	5100lm max
<b>Nr. of LEDs</b>	CREE™ XHP35 HD
<b>CCT</b>	4
<b>CRI</b>	3000K
<b>Binning</b>	>80
<b>Accessories</b>	-
<b>Dimensions</b>	optionals: lens Ledil Strada 64x50mm

### ORDERING CODE

1200EN1380-830-0-X35DM05  
1200EN1380-830-L-X35DM05 with lens



with lens

## EN1368 STREET SQUARE

Modulo con 4 LED | Module with 4 LEDs.



<b>Input Power</b>	350mA-4800mA
<b>Light output</b>	122W max
<b>LED type</b>	lm max
<b>Nr. of LEDs</b>	CREE™ XHP70.2
<b>CCT</b>	4
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	optionals: lens Ledil Strada
<b>Dimensions</b>	90x90mm

### ORDERING CODE

on demand



with lens



## EN1647 LINEAR YELLOW

Modulo con 45 LED gialli Nichia con lunghezza d'onda <500nm, ideali per applicazioni fotolitografiche, cantine/vini. | Module with 45 yellow LEDs Nichia with wavelength <500nm, ideal for photolithographic, cellars/wines applications.



<b>Input</b>	700mA max
<b>Power</b>	29W max
<b>Light output</b>	1000lm
<b>LED type</b>	Nichia® 3030 yellow
<b>Nr. of LEDs</b>	45
<b>CCT</b>	yellow
<b>CRI</b>	-
<b>Binning</b>	-
<b>Accessories</b>	-
<b>Dimensions</b>	750x10mm - cuttable every 250mm

**ORDERING CODE**  
1200EN1647-0-GI-0-NI33C17

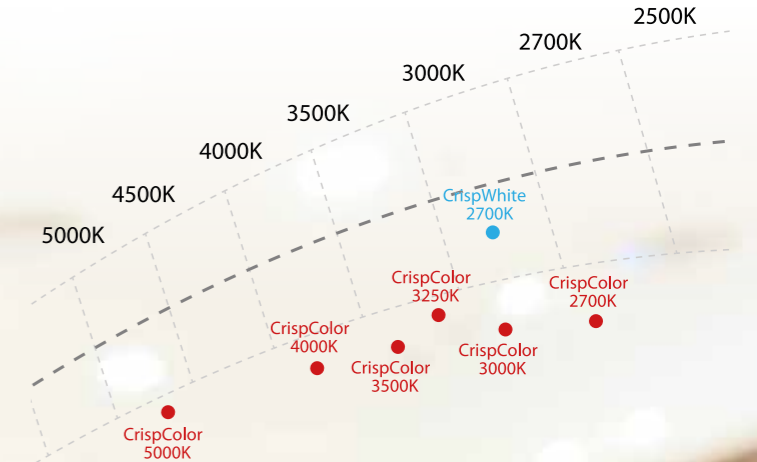
## EN1574 140 LED/MT CRISP

Strip flessibile 140 LED/mt | Flexible strip 140 LEDs/mt.



<b>Input</b>	24Vdc
<b>Power</b>	14,4W/mt - 28,8W/mt
<b>Light output</b>	<b>version 14,4W/mt:</b> 1680lm/mt (3000K)-1830lm/mt (4000K) <b>version 28,8W/mt:</b> 3250lm/mt (3000K)-3550lm/mt (4000K)
<b>LED type</b>	Lumileds® Luxeon Crisp Color
<b>Nr. of LEDs</b>	140LED/mt
<b>CCT</b>	3000K-4000K
<b>CRI</b>	>95 R9>90
<b>Binning</b>	3 StepMcAdam
<b>Accessories</b>	5mt reels
<b>Dimensions</b>	5004x8mm - cuttable every 50mm

**ORDERING CODE**  
1200EN1574-930-H-28CCV24 3000K 14,4W/mt  
1200EN1574-930-G-28CCV24 3000K 28,8W/mt  
1200EN1574-940-H-28CCV24 4000K 14,4W/mt  
1200EN1574-940-G-28CCV24 4000K 28,8W/mt



# ■ SUMMARY

# ELECTRONICS FOR LED

## FOR 230V TRACKS

EN1977 CASAMBI-DALI GATEWAY 230V 21

## FOR LV TRACKS

### MULTIDRIVER48

EN1852 CASAMBI 26  
 EN1927 D4i DALI DRIVER 26  
 EN1739 DALI 27  
 EN1927 DALI 27  
 EN1800 DALI DT6 2CH 28  
 EN1850 DALI DT6 2CH 28  
 EN1850 DALI DT8 2CH 29  
 EN1737 0-10V 29  
 EN1737 1-10V 30  
 EN1737 PUSH BUTTON 30  
 EN1672 ON/OFF 48V 31  
 EN1672 ON/OFF 48V FIXED OUTPUT 31  
 EN1689 ON/OFF 48V MINI 32  
 EN1672 ON/OFF 24V FIXED OUTPUT 32  
 EN1689 ON/OFF 24V MINI 33  
 EN1738 DALI 34  
 EN1738 DALI DT6 2CH 34  
 EN1738 DALI DT8 2CH 35  
 EN1738 0-10V 35  
 EN1738 0-10V 2CH 36  
 EN1738 1-10V 36  
 EN1738 1-10V 2CH 37

### MICRODRIVER48

EN1813 SILVAIR 40  
 EN1874 DALI DT6 2CH 40  
 EN1788 DALI 41  
 EN1950 DALI 41  
 EN1892 DALI 42  
 EN1875 ON/OFF 43  
 EN1875 ON/OFF FIXED OUTPUT 43  
 EN1803 DALI 44  
 EN1803 DALI DT6 2CH 44  
 EN1803 DALI DT8 2CH 45  
 EN1834 DALI CONNECTION BOARD 45

## CONTROLLERS

EN2032 PHANTOM DIM 47  
 EN1848 PUSHDALI 48  
 EN1812 CASAMBI/TUYA - DALI GATEWAY 49  
 EN1728 CASAMBI - DALI GATEWAY 50

## OPTO-ISOLATORS

EN1576 OPTO-ISOLATOR DALI 51  
 EN1814 OPTO-ISOLATOR 0-10V 1-10V 51

## WI-FI & BLE CONTROLLERS

### CASAMBI VOICE

EN1812 CASAMBI VOICE - DALI GATEWAY 55  
 EN1728 CASAMBI VOICE - DALI GATEWAY 55

### VOICE

EN1728 DALI VOICE GATEWAY 56  
 EN1650 DOMO VOICE CONTROLLER 56

### CASAMBI

EN1612 CASAMBI - DALI GATEWAY 57  
 EN1728 CASAMBI - DALI GATEWAY 58  
 EN1651 CASAMBI CONTROLLER 4 59  
 EN1652 CASAMBI CONTROLLER 1 59

### XICATO

EN1612 XICATO - DALI GATEWAY 60  
 EN1651 XICATO CONTROLLER 4 60  
 EN1652 XICATO CONTROLLER 1 61

## LIGHT CONTROLLERS

### DALI | DMX

EN2056 CONTROLLER DALI - SCREW 65  
 EN2056 CONTROLLER DALI 2CH - LOOPING 67  
 EN2019 DALINAMIC 68  
 EN1658 DALINAMIC 68  
 EN1056 CONVERTER DALI>DMX OR DMX>DALI 69  
 EN0995 CONTROLLER DMX 69  
 EN1162 CONTROLLER DMX/RDM MINI 70  
 EN1418 DMX REPEATER 70

### EXTERNAL PUSH BUTTON

EN1848 PUSHDALI 71  
 EN1658 PUSHNAMIC 72  
 EN0723 LIGHT SEQUENCER 72

### TOUCHPADS

EN0832 TOUCH COLOR RGBW 73  
 EN0832 TOUCH LIGHT 2CH 73  
 EN0871 TOUCH COLOR DMX 74

## DC DC CONVERTERS

### ONLY BOARD

EN1893 DRIVER DALI MINI 78  
 EN2026 ON/OFF MINI 78  
 EN1410 PWM MINI 79  
 EN1868 PWM MINI 1 79  
 EN1798 PWM 1,2A 80  
 EN1798 PWM 1,2A WITH CONNECTORS 80  
 EN1915 PWM 24V-48V 81

### INTO BOX

EN1893 DALI MINI INTO TINY BOX 84  
 EN1649 DRIVER DALI 84  
 EN2026 ON/OFF INTO TINY BOX 85  
 EN1868 PWM INTO TINY BOX 86  
 EN1798 PWM 1,2A INTO TINY BOX 86  
 EN1915 PWM 24V-48V INTO TINY BOX 87  
 EN1092 CONVERTER - PWM INPUT 88  
 EN1106 DRIVER - PWM INPUT 89

## INTO BOX AND RESINED IP67

EN1893 DALI MINI INTO TINY BOX IP67 92  
 EN2026 ON/OFF INTO TINY BOX IP67 93  
 EN1868 PWM INTO TINY BOX IP67 94  
 EN1798 PWM 1,2A INTO TINY BOX IP67 94  
 EN1915 PWM 24V-48V INTO TINY BOX IP67 95

## INTO CABLE GLAND

EN1868 CONVERTER INTO CABLE GLAND IP68 96  
 EN1410 CONVERTER INTO CABLE GLAND IP66/IP68 96

## CV AMPLIFIERS

EN0853 AMPLIFIER 1 97  
 EN1010 AMPLIFIER 3 97

## DIMMERS

### EXTERNAL PUSH BUTTON

EN0723 DIMMER 3CH 100  
 EN0723 COLOR DIMMER 3CH 100  
 EN1259 DIMMER 0-10V 101  
 EN1310 DIMMER DALI 101  
 EN0801-BOX DIMMER 4A 102

### INTEGRATED PUSH BUTTON

EN0928 DIMMER FOR PROFILES 103

### TOUCH

EN1688 IR OPTICAL TOUCH + DALI 104  
 EN1667 DIMMER TOUCH 104  
 EN0882 DIMMER TOUCH 1A 105  
 EN1060 DIMMER TOUCH 5A 105

### IR SENSOR

EN1059 DIMMER ON/OFF 106  
 EN1059 LIGHT SENSOR 106  
 EN1059 DIMMER & LIGHT SENSOR 107

### MOTION SENSOR

EN0875 PIR DETECTION 108  
 EN1067 PIR DETECTION FOR PROFILES 108  
 EN1192 SWITCH MOTION 109



# LED

## LED MODULES

### TUNABLE WHITE

EN1712 STAR TW	114
EN1489 COB 16	114
EN1490 COB 32	115
EN1491 COB 48	115

### STAR

EN1354 STAR 24V	116
EN0786 STAR NICHIA	116
EN0985 STAR MINI XP-E2	117
EN0786 STAR XP-E2	117
EN0985 STAR MINI XHP35 (HD/HI)	118
EN0786 STAR XHP35 (HD/HI)	118
EN1355 STAR MHB-B	119
EN1355/EN1356 STAR XHP50.2	119
MHD-E MHD-G XHP-70	120
EN0969 STAR XML2	121
EN1121 STAR XML2 RGBW	121

### ROUND

EN1366 ROUND XP-E2	122
EN1305 ROUND MHB-A MHB-B	122
EN1433 ROUND XHP-35.2 (HD/HI)	123
EN0842 DISCO 3	123
EN0847 ROUND 3	124
EN0845 ROUND 7	124
EN1911 ROUND RGBW	125

### LINEAR

EN1832 LINEAR 70LED	126
EN1955 LINEAR 122 LED	126
EN1830 LINEAR 120LED	127
EN1792 LINEAR 48LED 200LM/W	127
EN1792 LINEAR 48LED CRI>95	128
EN1792 LINEAR TW	128
EN1801 LINEAR STOCK&SHOP	129

## FLEX STRIPS

### HI-STRIP

EN1430 70 LED/MT	132
EN1430 140 LED/MT	132
EN1430 TW	133
EN1574 140 LED/MT	133
EN1574 140 LED/MT CRISP	134
EN1757 210 LED/MT	134
EN1575 140 LED/MT 48V	135
EN1789 210 LED/MT 48V	135
EN1736 TW 48V	136

### LONG-LIFE

STRIP 120 TUBE 90°	137
STRIP 60	137
STRIP 128	138
STRIP 128 POWER	138

### STYLING STRIP

STRIP HALLEY	139
STRIP LYRA	139
STRIP SHINE	140
STRIP MOON	141

## LED PRODUCTS

### PROFILES

EXCALIBUR	144
ARTU'	144
LANCILLOTTO	145
TRISTANO	145
CAMELOT	146

### SPOTLIGHTS

NANO ALLUSPOT	147
SPOT H3	147
SPOT H4	148
SPOT H11	148
SPOT H4	149
ECO-DICHROIC GU 5.3	149

## SPECIALTY

### FOOD

EN1430 STRIP MARBLED MEAT	153
EN1574 STRIP FOOD	153

### STREET LIGHTING

EN1380 STREET RECTANGULAR	155
EN1368 STREET SQUARE	155

### PHOTOLITOGRAPHY & WINE

EN1647 LINEAR YELLOW	156
----------------------	-----

### RETAIL

EN1574 140 LED/MT CRISP	157
-------------------------	-----

**Le informazioni contenute nel presente catalogo sono indicative e potrebbero subire variazioni. Per le specifiche tecniche, fare riferimento al Datasheet del prodotto.**

The information contained in this catalogue are approximate and may vary. For technical specifications, refer to the product Datasheet.





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