

LIGHTINC IVIAINAGEMENT POWED SIIDDI IFA







ARLIC

Designed & Manufactured by FLFCTRON SA

Architectural Lighting Management System



ARLIC architectural lighting system capable of managing the lighting needs of medium and multi purpose venues, but also flexible enough to cover the needs of a smaller space where the cost of installation is crucial, yet providing the features of a large system.

ARLIC system consists of:

- · Control panels of 6 or 18 scenarios.
- 8 analogue input interface.
- 4 mains voltage (230VAC) input interface.
- Infrared remote control.
- Lighting programmer.

ARLIC system can control up to 32 scenarios each. Each scenario can be a scene with programmable fade in-out, or a chaser with programmable rate and fade.

By using the 8 analogue input interface It is possible to connect to the system other control panels such as 0-10V. I-10V rheadats, single push buttons, up-down push buttons, presence detectors and relay contacts. By using the 4 mains voltage (230VAC) input interface It is possible to connect to the system common motion detectors, wall mounted switches (230VAC), as well as to have mains voltage monitoring for emergency/functions.

The scenario selection buttons of all the system control panels are programmable. Any scenario can be activated from the desired button. Also, the buttons of each control panel can be grouped and function in allferent ways of scenario selection. The control panels can, optionally have an iR receivers as a to accept commands from the system's IR remote control. With the remote control there is the possibility of controlling up to 18 scenarios. The architectural lighting controller manages all the commands that are sent by the control panels and interfaces, it activates the lighting scenarios and scheduled events and it transfers them to the 512 channels of the DMX-512 output, by this way, any DMX device can be connected to the RALC system. The architectural lighting controller is also equipped with a DMX-512 input with an incorpoted merger, from the DMX-512 input and by using a DMX control deski its possible to control the illumination of spaces with capability of de-activating (Blocking) selected control panels.

An Emergency Scenario for each zone can be automatically activated when the ARUC system detects power failure and activation of the electric generator, avoiding this way network overload. Also, a Panic Scenario for each zone can be activated from an external emergency heavy duly push button for lighting all areas in special cases.

The ARLIC system network (ARLICnet) is based on the Controller Area Network (CAN) protocol which is a real-time, serial, broadcast protocol with a very high level of security.

In ARLICnet there can be up to 96 Nodes of control panels and interfaces, while it is divided in 6 Segments which are connected by the repeaters.

The topology of ARLICnet can be Linear, Star, Tree, Ring or a combination of those.

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ARLIC

Architectural Lighting Management System

Ideal in small installations or in applications where cost is a crucial factor, control panels of 6 or 18 scenarios with incorporated DMX output can be used.

The ARLIC lighting control system can manage up to 60 DMX channels, while it is also possible that the control panels have an IR receiver for the IR remote control ARS.004.

The ARLIC can control up to 32 senarios and can support up to 48 nodes (16 control panels ARS.009/010/011/012, 16 analogue interfaces ARS.002 and 16 high voltage interfaces ARS.001). Also emergency lighting conditions are supported by the system.

ARLIC Controllers





ARS.025 WHITE

ARS.013

Control panel and controller with 6 scenarios and DMX output.

ARS.014

Control panel and controller with 6 scenarios. infrared receiver and DMX output.

ARS.023

Wall mounted control panel and controller with 6 scenarios and DMX output.

APS 024

Wall mounted control panel and controller with 6 scenarios, infrared receiver and DMX output.

APS 015

Control panel and controller with 18 scenarios and DMX output.

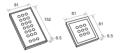
APS 016

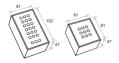
Control panel and controller with 18 scenarios. infrared receiver and DMX output.

ARS.025

Wall mounted control panel and controller with 18 scenarios and DMX output. ARS.026

Wall mounted control panel and controller with 18 scenarios. infrared receiver and DMX output.





ARLIC system:

 Advanced lighting control system. •Perfect lighting solutions. •User friendly.



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CONTROL PANELS of 6 & 18 Scenarios for ARLIC

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Designed & Manufactured

by ELECTRON SA

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ADS 011 WHITE

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 Control panels of 6 and 18 scenarios • IP receiver (optional)

- Programmable buttons.
- Button grouping.
- Multiple button operation modes.
- · Up and down dimming buttons.
- Monitor LEDs for active scenarios. Status backup on power failure.
- DMX-512 output for stand alone operation.
- ARLICnet port
- Variety of colours.

ARS.009

Control panel with 6 scenarios.

ADS 010 Control panel with 6 scenarios and infrared receiver.

ARS 027

Wall mounted control panel with 6 scenarios. APS 028

Wall mounted control panel with 6 scenarios and infrared receiver.

ARS.011 Control panel with 18 scenarios. ARS.012 Control panel with 18 scenarios and infrared receiver.

ARS.029 Wall mounted control panel with 18 scenarios. ARS.030 Wall mounted control panel with 18 scenarios and infrared receiver.

Standard colours for frames and panels are BLACK or WHITE

ADS 011 BLACK

Other colours of frame and panels: GREY, IVORY, STAINLESS STEEL, ANTHRACITE or ALUMINIUM are available at extra cost.

ADS 029 WHITE



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Lighting Management, Power Supplies & Controllers

ARLIC Accessories

Designed & Manufactured by ELECTRON SA

Analogue interface

ARS.002 for ARLIC



- 8 programmable analogue inputs.
 Input grouping.
- Multiple input operation mode.
- Status backup on power failure
- ARLICnet port.

Up to 16 interfaces supported by ARLICnet.

The analogue inputs can be used to connect 0-10V control panels, 1-10V rheostats, single push buttons, up-down push buttons, presence detectors and relay contacts.

High voltage interface ARS.001 for ARLIC



- 4 programmable H.V. (230VAC) inputs.
- Input grouping.
- Multiple input operation mode.
- Status backup on power failure.
 APLIC net port
- Up to 16 interfaces supported by ARLICnet.

The inputs can be used to connect common motion detectors, wall mounted switches or buttons (230VAC), while it is possible to have mains voltage monitoring for emergency functions.

IR remote control

ARS.004 for ARLIC



- Remote control of 18 scenarios.
 Selection of active zone.*
- Selection of active zone.*
 Up and down dimming buttons
- Up and down arriting builons.
 Long effective range.
- No command conflict between zones.*
- · Each zone can have its own remote control.*
- OFF button.

*Not available functions in the MINI ARLIC system



Programmer

ARS.008 for ARLIC

-
- ARLIC system configuration.
 System devices setup.
- Scenario programming.
 - Events programming.
- Emergency and panic programming.
 USB port for backup on memory stick.
- ARLICnet port.

Accessories for ARLIC



ARS.017 1-10V electronic rheostat



ARS.003 ARLIC net repeater



ARS.018 Wall motion detector

ARC.004

Recessed wall box for

gang control panels

Supplied for the control

panels if needed.



ARS.019 Ceiling motion detector

ARS.020

Pro





ARC.005 Recessed wall box for 2 gang control panels. Supplied for the control panels if needed.



ARS.021 RJ45 ARLIC net socket



Plasterboard box for 1 gang control panels. Supplied for the control panels if needed.



ARS.022 Wall mounted RJ45 ARLIC net socket



ARC.007 Plasterboard box for 2 gang control panels. Supplied for the control panels if needed.



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DMR.730 TRAILING EDGE Dimmer

Designed & Manufacture by ELECTRON SA



DMR.730 FLICKER FREE TRAILING EDGE DIMMER Unaffected from mains fluctuations

Specially designed for dimmable 230VAC LED lamps. The only dimmer which achieves stable output voltage, unaffected from mains fluctuations. Output remains stable even at 230VAC, in power supply voltage range from 173VAC to 265VAC.

technology

Mains fluctuation immunity

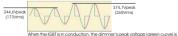
The light intensity adjustment in a common flicker free dimmer is usually based on IGBTs (Insulated Gate Bipolar Transistor).

These dimmers have the ability to vary the conduction angle of the power supply sinusadiat/orlogs is that regulation of bightness variation of the largest within SRI is in conduction state it acts as a which, and consequently the supply voltage is conducted at the dimmer's output. This means that any fluctuation in the mains voltage is conducted to the larges and the result is the variation of the largest unimissity. Thus, these dimmers are ficise/relac concerning there learners in clustering the largest and the largest and the result so the variation of the largest unimissity. Thus, these dimmers are ficise/relac concerning there learners the largest and the largest and the results of the dimmers and the largest set.

The new SMRD (Switch Mode Regulated Dimmer) technology monitors the mains voltage and stabilizes the output voltage so that this remains stable and unaffected from the network's fluctuations, thus results in the stability of the lamp(s) brightness.

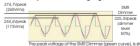


Output curve of a common Trailing edge flicker free dimmer



When the kets is in conduction, the aimmers peak vottage (green curve) is about the same with the mains peak voltage (red curve). Consequently, the voltage that is conducted to the lamp(s) is proportional to the mains' fluctuations.

Output curve of a Trailing edge SMR Dimmer



The peak voltage of the SMR Dimmer (green curve), is stable irrespectively of the mains peak voltage (red curve). The amplitude of the mains' fluctuation could be from 173V to 265V.

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DMR.730 TRAILING EDGE Dimmer

True output regulation

Some dimmers available in the market achieve voltage stabilization by regulating the conduction angle. With this method the RMS voltage can remain stable, however there are three disadvantages:

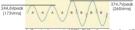
1) Mains voltage must be always higher than the output voltage.

 $2^{\rm j}$ By changing the conduction angle, brightness is affected because the LED Lamp(s) luminosity regulation is depended on the conduction angle of the dimmer.

3) When the dimmer is on at full (conduction angle 100%), there is no possibility to further increase the conduction angle in case of a voltage drop from the network.

SMR technology maintains the output voltage stable with no need of higher mains voltage and without changing the conduction angle. This means that even if the dimmer is at 100%, the output remains at full (230V) in power supply voltage range from 173V to 265V.

Failure of RMS output voltage stabilization, by changing the conduction angle, when the dimmer is at full (100%).



A: Conduction angle 100%. RMS voltage is less than 173Vrms, not 230Vrms. B: Smaller conduction angle for output 230Vrms. The supply voltage must be higher than 230Vrms.

Stabilization of output voltage at 100% of the SMR dimme



The lamp is supplied with stable voltage even if the mains voltage drops at 173V.



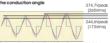


Stabilization of RMS output voltage by changing the conduction angle.



Changing angle A to angle B to maintain the same RMS output voltage, results in changing the brightness of the lamp.

Stabilization of output voltage at 50% of the SMR dimmer without changing the conduction angle



The lamp is supplied with stable voltage and stable conduction angle

More features of the SMR Dimmer:

Power Factor

LED lamps but also CFLs (Compact Fluorescent Lamps) are usually loads with low power factor ($\cos\theta$ =0.55-0.75).

Independently from the lamps' power factor, the new SMR dimmer consumes energy with power factor >0.98 (for output level 100%), without affecting the network.

Lamp protection

Due to the special electronic circuits and stabilization the output voltage is always steady and free from spikes and over-voltages protecting the lamps even from complete failure.

Dimming law correction

With the use of two trimmers the dead fields, that usually LED and fluorescent lamps have, are eliminated. The first trimmer is used for the minimum and the other one for the maximum brightness of the lamp. In this way the controller works correctly when adjusting the lamps' brightness.

Master Slave operation

The new SMR dimmer can work as master, controlling multiple SMR dimmers connected at its DMX output. With this feature, as many SMR dimmers as the user likes can be controlled from one controller.

CFL ignition

CFLs (Compact Fluorescent Lamps) in order to ignite need operating voltage of more than approximately 50%. Thus, in order to turn on a CFL at 30% for example, the user should first adjust the dimmer over 50% and afterwards dim tot 30%.

The new SMR dimmer is capable of providing a pulse of 100%, of the output voltage, for 1sec automatically, in case we need to turn on the lamps at percentages less than 50%.

Control inputs

The new SMR dimmer incorporates both DMX-512 and analogue inputs. At the analogue input the user can cannect 0/10V, or 1/10V, or theostat 100Kog, or button for ON - OFF and dimming, or UP/DOWN button for ON - OFF and dimming.

PWM signal output

The new SMR dimmer incorporates PWM signal output, providing the capability of driving constant voltage and constant current converters of ELECTRON SA. Thus, with one controllem the user can control multiple types of lighting fixtures.

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Lighting Management, Power Supplies & Controllers

DMR.731 TRAILING EDGE Dimmer



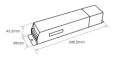
DMR.731 FLICKER FREE TRAILING EDGE DIMMER

Economic solution for controlling:

- · Dimmable LEDs 230V.
- · Dimmable CFLs .
- Trailing edge dimmable Electronic Transformers.
- Handles great inrush currents
- · Lamps connected up to 350W.
- Diming Law Correction eliminating dead fields of the lamps.
 Master Slave operation for controlling multiple Dimmers with one controller.
- CFL ignition.
- DMX-512 input
- Analogue input (0/10V, 1/10V, rheostat 100Klog, button, UP/DOWN button).
- · PWM signal output can drive ELECTRON SA constant voltage and constant current converters.

Output power 350W Controlled by IGBT







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DIN RAIL

TRAILING EDGE Dimmers

DMR.732, DMR.733, DMR.734, DMR.735, DMR.736

Economic solution for controlling:

- Dimmable LEDs 230V
- Dimmable CFLs
- Dimmable Electronic transformers

Features

- Supports "Aller Retour" between Push Button(s) & 1/10V or Wireless or DMX-512 or DALI (except DMR.736).
- Adjustable minimum level.
 Easily fastened to DIN (EN 60715) RAIL.
- Over temperature protection .
- Over let riperciule protection

Designed & Manufactured by ELECTRON SA



Code	Power Sypply	Power Output	Output Current	Dimming Resolution	Dimming Method	Output Channels	Control
DMR.732	230VAC / 50Hz	350VA	1.52A rms	20000 steps	Trailing Edge	1	1-10V, Push Button(s)
DMR.733	230VAC / 50Hz	350VA	1.52A rms	20000 steps	Trailing Edge	1	Wireless*, Push Button(s)
DMR.734	230VAC / 50Hz	350VA	1.52A rms	20000 steps	Trailing Edge	1	DMX-512, Push Button(s)
DMR.735	230VAC / 50Hz	350VA	1.52A rms	20000 steps	Trailing Edge	1	DALI, Push Button(s)
DMR.736	230VAC / 50Hz	350VA	1.52A rms	20000 steps	Trailing Edge	1	Wireless*

*Bluetooth for DMR.733, DMR.736





Casambi uses mesh network technology so each Casambi product acts also as a repeater. Longer ranges can be achieved by using multiple Casambi units.

** Range is highly depended on the surrounding and obstacles, such as walls and building materials.



Compatible devices: IPhone 4S or later, Pad 3 or later, IPod Touch 5th gen or later Android 4.4 KillKat or later devices produced after 2013 with full BT 4.0 support

app available on
App Store
ANDROLD APP ON GOOGLE PLAY

CASAMBI





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ANALOGUE to DMX MERGER Converter



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Converts nine analogue signal inputs (0/10VDC) into the digital DMX-512 signal

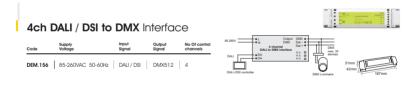
Ideal for installations with Instabus (KNX/EIB) protocole

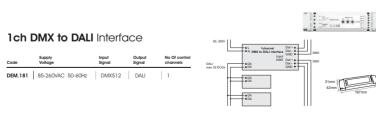
Code	Model	Analogue Inputs	Analogue Inputs Voltage	Input Impedance	DMX-512/1990	DMX-512/1990 Output	Merge of Analogue & Digital Input Data	Supply Voltage	Power Consumption	Designed & Manufactured by ELECTRON SA
DEM.001	A102DM	9	0/+10VDC	50KΩ (min.)	YES	YES	YES	12-24VD0	C 0.7W	200mm
							Envir. Temp	perature:	-5°C to 40°C	

DMX TO 1-10V & DMX TO 0-10V Converters



Code	Model	Input Signal	Output Channels	Output Signal	Supply Voltage	Power Consumption	Description	Designed & Manufactured
DEM.004	DM2110	DMX-512/1990	4	1/10V sink current	24VDC	2.5W	Converts the DMX signal to 4x110V sink current (output per channel 20mA)	by ELECTRON SA
DEM.005	DM2010	DMX-512/1990	4	0/10VDC	24VDC	2.5W	Converts the DMX signal to 4x010V analogue outputs (output per channel 4mA)	200mm





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Lighting Management, Power Supplies & Controllers

PIR MOTION DETECTOR

- Smart isolated PIR Sensor Switch Controller, with detachable PIR sensor detector (1,5m cable). The controller will run on the switch adiput when it detects motion. And turn off automatically after the adjustable delay. Wide range operation input votage from 100VAC to 240VAC.
- Stand by consumption <0,5W . .
- Detection range: 0,5-2,5m
- Detection angle: 80° Delay time: 10-30sec PIR Sensor available in white colour as standard. Black colour available upon request.
- Operating temperature range: -20° to +50°C
- Indoor use



Code Model		Input Voltage	Delay Time	Detection Angle	
SNR.006	PIR Motion Detector	AC100V~240V, 50/60Hz	10sec~3min	80°	

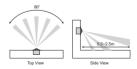
Max. Lighting load:

Types of load

Range voltage	Incandescent lamp/ HV-halogen lamp	Electronic ballast	Inductance ballast	Electronic transformer	LED driver
AC 100V, 50/60Hz	250VA	80VA	60VA	250VA	80VA
AC 240V, 50/60Hz	250VA	150VA	100VA	250VA	150VA









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Bluetooth **Xpress Wireless** Interface

Bluetooth

Xpress is a wireless user interface that brings huge flexibility to interior design as furniture can be replaced or even walls can be rebuilt without having to take wiring of switches or switch placement into account. The switch can be kept wherever the user needs it and it gives direct access to all the important Casambi lighting control functionalities.



Code	Colour	Range	Battery (incl.)	Battery Lifetime	Dimensions
CDS.191 CDS.192	White Black	up to 60m in open air	CR2430 Lithium coin cell	2-5 years, depending on usage	90x90x12mm



- Different Casambi enabled products can be used from a simple one luminaire direct control to a complete and full featured light control system where up to 122 units form automatically an Intelligent mesh network.
 Casambi products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are crucial to the operation of the product.



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Bluetooth 4ch PWM Dimmer

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.
- Bluetooth controllable, four channel PWM dimmer for constant voltage LED loads
- Ideal partner for RGBW and tunable white (TW) applications.



Code	Supply Voltage	Output Voltage	Max. Output Power	Max. Output Current	Control	Dimming Method	Dimensions	IP Rate
DEM.195	12-24VDC 6A Max. input current	12-24VDC same as input voltage	144W @ 24VDC 72W @ 12VDC	6A can be freely divided between the channels	Casambi app. Bluetooth 4.0 protocol	PWM	72.6x30x18mm	IP20



- Different Casambi enabled products can be used from a simple one luminoire direct control to a complete and full featured light control system where up to 122 units from automatically an intelligence mean herework.
 Casambi products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are crucial to the operation of the product.



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Bluetooth 4ch PWM Dimmer

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.
- Bluetooth controllable, four channel PWM dimmer for constant voltage LED modules.
- Ideal partner for RGBW and tunable white (TW) applications.
- Suitable for TV studios.





Code	Supply Voltage	Output Voltage	Max. Output Power	Total. Output Current	Control	Dimming Method	Dimensions	IP Rate
DEM.214	12-48VDC 10A Max. input current	12-48VDC same as input voltage	480W @ 48VDC 240W @ 24VDC 120W @ 12VDC	10A can be freely divided between the channels or loaded in one channel	Casambi app. Bluetooth 4.0 protocol	PWM (1.95kHz)	70.4x35.5x22mm	IP20
DEM.226	12-48VDC 8A Max. input current	12-48VDC same as input voltage	384W @ 48VDC 192W @ 24VDC 96W @ 12VDC	8A can be freely divided between the channels or loaded in one channel	Casambi app. Bluetooth 4.0 protocol	PWM (3.9kHz)	70.4x35.5x22mm	IP20



- Different Cosmibl enabled products can be used from a simple one luminate direct control to a complete and full featured light control system where up 6 250 units form admentically an intelligent mesh network.
 Cosmib products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are accurated for the operation of the product.



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Lighting Management, Power Supplies & Controllers

Bluetooth 4 Push Button Controller

Bluetooth

- · Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store
- · Direct access to all the important Casambi lighting control functionalities.
- Flexibility to interior design & comunication between casambi's devices.
- Small size. Can be placed inside wall mount push button boxes.

Designed & Manufactured by ELECTRON SA



Code	Supply Voltage	Push Button No.	Control	Dimensions	IP Rate
DEM.215	12-48VDC	4	Casambi app. Bluetooth 4.0 protocol	45x30x15mm	IP40



- Different Casambi enabled products can be used from a simple one luminaire direct control to a complete and full featured light control system where up to 250 units form automatically an intelligent mesh network.
- Cosmb jorducts, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.



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Bluetooth TRAILING EDGE Dimmer

Load Suitability

- Controlled with Casambi app, as well as with traditional wall switches. The Casambi app can be downloaded from Apple App Store and Google Play Store.
 - Bluetooth trailing-edge dimmer for controlling incandescent lamps, dimmable LED lamps and dimmable LED control gear.



Lighting Management, Power Supplies & Controllers

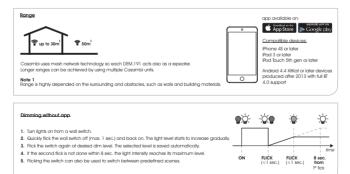
Code	Supply Voltage	Max Output Power	Max Output Current	Control	Dimensions	IP Rate
DEM.191	85-240VAC 50-60Hz 0,65A Max. mains current	150W / 230VAC 70W / 110VAC	0.65A	Casambi app. Bluetooth 4.0 protocol	40.4x36.3x14mm	IP20
DEM.219	85-240VAC 50-60Hz 0,65A Max. mains current	150W / 230VAC 70W / 110VAC	0.65A	Casambi app. Bluetooth 4.0 protocol	40.4x36.3x14mm	IP20



Type of load	Max. load
Incandescent and high voltage halogens (R)	150 W
High quality dimmable LED bulbs (C) 1)	50 W
High quality dimmable CFL bulbs (C) 1)	50 W
Trailing edge dimmable LED drivers (C) 1) 2)	50 W
Low voltage halogens with electronic transformers (C) 1121	50W
High voltage AC LED modules (R) 3)	150W
uminescent lamps, non-dimmable LED and CFL bulbs (C)	Not allowed
Wire wound transformers, electric motors and other inductive loads (I)	Not allowed

Never connect inductive loads, such as iron core transformers. This could cause permanent damage to the dimmer. Do not mix different types of loads.

- 1) Dimming quality depends solely on the load electronics
- Do not connect more than two LED or CFL bulbs to one CBU-TED.
- Do not mix different types of bulbs or loads.
- 2) Do not connect more than two electronic transformers to one CBU-TED.
- Some LED modules may flicker at low dimming levels.
- Different Cosmib enabled products can be used from a simple one luminate direct control to a complete and full featured light control system where up to 122 units from automatically an intelligence mean hereboxet.
 Cosmib products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are circulate the operation of the product.



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Liahting Management, Power Supplies & Controllers

Bluetooth to 0-10V, 1-10V or DALI Control Unit

Bluetooth

- Controlled with Casambi app, as well as with traditional wall switches The Casambi app can be downloaded from Apple App Store and Google Play Store.
- 0-10V (and 1-10V) or dialtal Standalone DALI control interface.
- Standalone DALI makes it possible to implement multi-channel lighting systems with adjustable color (RGB and RGBW) or color temperature (CCT), while keeping the wiring and number of components at their minimum.

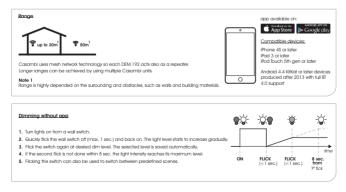
Code	Supply Voltage	Output Voltage*	Signal Output**	Control	Dimensions	IP Rate
DEM.192	220-240VAC 50Hz 0,6A Max. mains current	220-240VAC 50Hz	0-10VDC or DALI 9-12VDC	Casambi app. Bluetooth 4.0 protocol	56.5x35.8x22.3mm	IP20
DEM.222	220-240VAC 50Hz 0,6A Max. mains current	220-240VAC 50Hz	0-10VDC or DALI 9-12VDC	Casambi app. Bluetooth 4.0 protocol	56.5x35.8x22.3mm	IP20
				*For	External Relay use only	





** Max. number of drivers connented: 1pc

Different Countrol enabled products can be used from a simple one luminoire direct control to a complete and full featured light control system where up to 122 units from antematically an intelligence mesh network.
 Countrol products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are crucial to the operation of the product.



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Bluetooth to DALI Control Unit

AND COMPANY

With the second

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store
- Integrated DALI power supply that allows to control a maximum of 25 DALI drivers.
- Bluetooth controller must not be connected to DALI lines that are already supplied by a DALI power supply.
- One independent and mains operated push button input.

Output

100mA

Signa Outpu

DALI

	Supply	Output	Signal				
Code	Voltage	Current	Output	Control	Dimensions	IP Rate	
DEM.227	220-240VAC 50/60Hz	50mA	DALI (compatible) 4ch single/group addresses	Casambi app. Bluetooth 4.0 protocol	119x30x21mm	IP20	
			and the second s	ACC.994 Optional Straight relief set acces	ssory 11	• e]§ ~	

Bluetooth

Code DEM.225 Supply

220-240VAC

50/60Hz

Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store. Integrated DALI power supply that allows to cont

ntrol a maximum o	of 50 DALI drivers.			1
al sut	Control	Dimensions	IP Rate	
1	Casambi app. Bluetooth 4.0 protocol	38x38x26mm	IP44	

- Different Cosambi enabled products can be used from a simple one luminate direct control to a complete and full featured light control system where up to 122 units from automatically an intelligence mean hereas.
 Cosambi products, should not be placed in a metal enclosure or next to large metal structures. Metal will effectively black all radio signals which are accurated to the operation of the product.



- 3. Flick the switch again at desired aim level. The selected level is saved automatically.
- 4. If the second flick is not done within 8 sec. the light intensity reaches its maximum level
- 5. Flicking the switch can also be used to switch between predefined scenes.

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8 sec. from sec.)

FLICK

Lighting Management, Power Supplies & Controllers

Bluetooth 1ch Relay Switch With Inrush Current Limiter (ICL)

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.
- Bluetooth controllable, 1 ch Relay switch with build-in inrush current limiter.
- Ideal for outdoor use

~

Designed & Manufactured

by ELECTRON SA

- Material: Polycarbonate (pc) housing.
- In/Out H07RN-F ruber cables (3 x 1.5mm²).
- Maximum connected capacity 2000µF.
- Inrush limiting time: 350ms (+/- 50ms) Inrush limiting cycles: 3cycles/minute.
- Continuous current up to 10A.
- Operating temperature: -25..+50C



Code	Supply Voltage	Peak Current Limitation	RMS Current Limitation	Max. Continuous Current	Max. Continuous Power	Control	Dimensions	IP Rate
DEM.216	220-240VAC / 50Hz	16A	10A	10A rms.	2400W	Casambi app. Bluetooth 4.0 protocol	115x90x55mm	IP65



- Different Causmbi enabled products can be used from a simple one luminoise direct control to a complete and full featured light control system where up to 250 units from advance/langly an intelligence of the system where up to 250 units from advance/langly and the system Causmbi products, should not be ploced in a metel enclosure or next to large metal structures. Metal will effectively block all radio signals which are crucial to the operation of the product.



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Bluetooth **2ch Relay Switch**

Bluetooth

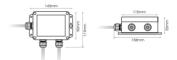
- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.
- Bluetooth controllable, 2ch Relay switch
- Ideal for outdoor use.

æ Designed & Manufactured by ELECTRON SA

- Material: Polycarbonate (pc) housing.
- In/Out H07RN-F ruber cables (3 x 1.5mm²)
- Total current up to 10A (both channels driven).
- Operating temperature: -25..+50C°



Code	Supply Voltage	Number of Channels	Max. Current	Max. Power	Control	Dimensions	IP Rate
DEM.231	220-240VAC / 50Hz	2ch	Total capacity 10A rms (Both channels driven)	2400W	Casambi app. Bluetooth 4.0 protocol	115x90x55mm	IP65



- Different Casambi enabled products can be used from a simple one luminoire direct control to a complete and full featured light control system where up to 250 units from advance/layle in intellight mean hereknet.
 Casambi products, should not be piaced in a metel enclosure or next to large metal structures. Metal will effectively black all radio signals which are crucial to the operation of the product.



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Bluetooth Dali interface Control Unit

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store. Integration of Bluetooth Casambi control to BMS, KNX, and smart automation systems.
- .
- Powered directly from a DALI bus .
- Can be used with a DALI sensor for presence detection or daylight harvesting

Code	Supply Voltage	Signal Current DALI	Control	Dimensions	IP Rate
DEM.218	9.5-22.5VDC	250mA max.	Casambi app. Bluetooth 4.0 protocol	40.4x36.3x14mm	IP20
DEM.229	9.5-22.5VDC	250mA max.	Casambi app. Bluetooth 4.0 protocol	40.4x36.3x14mm	IP20
Ani do DEM.218				0.4mm j 14mm im	

Bluetooth Sensor

Bluetooth

- Controlled with Casambi app which can be downloaded free of charge from Apple App Store and Google Play Store.
- Ambient light control and presence detection. Detection range mounted at height of 3 meters Φ 8meters. .
- Detection angle 53°.
- Light measurement at sensor head 1-2000lx (+- 20%).

Code	Supply Voltage	Mounting Height	Control	Dimensions	IP Rate
SNR.000	220-240VAC 50/60Hz	4m max.	Casambi app. Bluetooth 4.0 protocol	Recessed Ø85x73.3mm Surface mounted Ø85x73.3mm	IP20
2 C		955mm	ACC 993	extern extern	
			Housing for su	urface mounted installation	
ELECTR	ON ELEC	IRON SA, PROFESSIONAL LIGHTING S	YSTEMS - 68 Antiohias Str, N.Philadelphia	14341 Athens, Greece, Info@electron.gr, www.electro	on.gr





6 ch DMX Controller with IR Remote Control

LED dimmers / controllers

Code	Supply Voltage	Output	Dimming Control	Scenes	Remote Control	Fade	Signal/Power Distribution Box
CD\$.216	230VAC	6 channel DMX-512	6 channel faders and master fader	6 programmable scenes of up to 100 steps per scene	IR	Assignable setting separately and master control	Is included as power supply and DMX signal converter
					Z.	94mm 120mm 120mm	

4 ch RGBW Touch DMX and PWM 12/24V Output LED Dimmer / Controller

LED dimmers / controllers

Memory retained upon power failure.

Code	Supply Voltage	Nr. of Channels	Output 1	Output2	Output Power	Dimming Control	Menus	Store/ Playback	
CD\$.221	12-24VDC	4	DMX-512	Depending on the power supply 012V - 024V	24W/ch (12V) total 72W (12V) or 48W/ch (24V) total 144W (24V)	Touch switches	Four function	4 scenes and 4 colours	

3 ch DMX Output CHAMELEON controllers CONSTANT VOLTAGE

The most flexible and user friendly series of architectural controllers.

Ideal for creating scenes and controlling the light in architectural applications.

Intelligent control solutions for RGB, AW, AWB, Monochromatic LEDs.

Code	Description	Scenes	Op.Volt.	Current	Output Channels	Output Digital DMX-512	Dimensions
CDS.128	CHAMELEON 128 WALL/FLASH MOUNTED	5+1	12-15VDC	40mA	3DMX	YES	86x86x28mm
CD\$.129	CHAMELEON 129 DESKTOP/WALL MOUNTED	5+1	12-15VDC	40mA	3DMX	YES	142x41x90mm

TECHNICAL SPECIFICATIONS

DMX-512 output

- Dynamic colour environment from a template of 16.7 million colours.
- Save of colours for future use.
- Decrease or increase of the intensity of light (dimmer).
- Ability to activate automatic factory programs (six preset sequences).
- Capability of changing the time that each colour is on (step time).
- Selection of the time of change from one colour to another (fade time).



20 Designed & Manufactured

by ELECTRON SA



POWER SUPPLY for CHAMELEON 128 & 129

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Lighting Management, Power Supplies & Controllers





INRUSH CURRENT LIMITER 300ms / 230VAC

INRUSH CURRENT LIMITER 300ms / 230VAC / 16A

Code Model

DEM.193

INRUSH CURRENT LIMITER 300ms / 230VAC / 16A

INRUSH CURRENT LIMITER LED 300ms / 230VAC / 48A peak

 Code
 Model

 DEM.194
 INRUSH CURRENT LIMITER LED 300ms / 230VAC / 48A peak





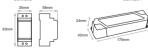
INRUSH CURRENT LIMITER 300ms / 180-264VAC / 23A peak / 16A



INRUSH CURRENT LIMITER LED 300ms / 180-264VAC / 23A peak / 16A

· Overheating, Overload protection.

Code	Relay Limiting Time	Supply Voltage	Inrush Current Limiting	AC Continuous Rated Current	_	
DEM.203	300ms	180-264VAC	23A peak	16A	at the state of th	
DEM.204	300ms	180-264VAC	23A peak	16A	A CONTRACTOR OF	
				DEM.	203	DEM.204
				35n		





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Lighting Management, Power Supplies & Controllers

EMERGENCY LIGHT KIT for CONSTANT VOLTAGE or CONSTANT CURRENT LED

- Instant emergency operation at mains failure
- Maintained or not maintained operation (maintained operation suitable with electronic drivers or dimmable electronic drivers).
- Multi-power dimmable version DIP-SWITCH, constant current or constant voltage to power LED to LED modules.
- "High temperature" NI-Cd batteries Charge indicator with LED.
- Protection device against extensive discharge "Rest mode" facility with remote control device
- Self diagnosis system with internal module, optional.
- Reference Norms: EN55015, EN6100-3-2, EN61347-2-13, EN61347-2-7, EN61547.
- Lamps: Power LEDs , LED modules.





Code	Voltage	Frequency	Battery V-Ah	ta °C	tc °C	Charge Time
-						

EKT.001	220-240V	5060Hz	7.2V-4Ah	0 +55	75	24h

Technical Data:

- Length battery cable: 280mm
- Length LED cable: 350mm
- Led mounting hole: 9mm
- Supply current: 35mA max.
- Terminal blocks max. connection size: 1.5mm²
- Max distance between driver and lamp; 2 meters.

Battery:

Rechargeable high temperature Ni-Cd Saft batteries.

- These cells accept a permanent charge for a minimum of 4 years in high-temperature environments (up to +55°C) such as security lighting equipment. Constant current during charge.
- Zero maintenance.

DIP-SWITCH positions example:

Long cycle life (over 500 charge discharge cycles)

DIP-SWITCH position	Working voltage in an emergency (V;)	Output current in an emergency (I)	n° max. power of LED current	Power max. for LED modules voltage
A	12V const.	200mA ± 10%	$N_{LED} = 12/V_F$	24W
В	24V const.	160mA ± 10%	N _{LED} =24/V _F	30W
с	46V const.	60mA ± 10%	N _{LED} =46/V _F	50W
D	9-58V	200-30mA	N _{LED} =58/V _F	

Untwinter positions assumption A position, can connect 3 LED with V, 3.5V or 1 LED V; 10V, or a strip LED 12V-24W max. B position, can connect 6 LED with V, 3.7V or 2 LED V; 10V, or a strip LED 24V-30W max. C position, can connect 12 LED with V; 3.7V or 4 LED V; 10V. D position, can connect 18 LED with V; 3.2V or 3 LED V; 17V.





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Lighting Management, Power Supplies & Controllers

EMERGENCY LIGHT KIT for 12V LED Lamps with Lamp Holder GU5.3

- Instant emergency operation at mains failure
- Maintained or not maintained operation.
- Suitable for LED lamps 12V.
- "High efficiency, minimum heat dispersion and absolute reliability. "High temperature" NI-Cd batteries.
- Charge indicator with LED.
- Protection device against extensive discharge. Reference Norms; EN 61347-2-7.
- Lamps: LED lamps 12V / GU5.3.



Code	Voltage	Frequency	Power W	Battery V-Ah	Flux %	ta °C	tc °C	Weight	Charge Time
EKT.002	2 220-240V	5060Hz	3-7W	7.2V-1.6Ah	80/100%	0 + 50	70	170ar	24h

Technical Data:

- Length battery cable: 280mm.
- Length LED cable: 350mm.
- Led mounting hole: 9mm.
- Supply current: 20mA max.
- Push-wire connections max. size: 1.5mm²
- . Max distance between driver and lamp: 2 meters

Battery:

- Rechargeable high temperature Ni-Cd Saft batteries. .
- These cells accept a permanent charge for a minimum of 4 years in high-temperature environments (up to +50°C) such as security lighting equipment. Constant current during charge.
- Zero maintenance. Long cycle life (over 500 charge discharge cycles). .
- Long term storage (up to 4 months in normal conditions: temperature range from +5°C to +25°C in a 65% ±5% relative humidity atmosphere).



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EMERGENCY LIGHT KIT for 230V LED Lamps with Lamp Holder GU10

- Instant emergency operation at mains failure
- Maintained or not maintained operation (maintained operation suitable with electronic drivers and dimmable electronic drivers)
- Suitable for LED lamps 230V 0/50Hz.
- High efficiency, minimum heat dispersion and absolute reliability.
- "High temperature" NI-Cd batteries.
- Charge indicator with LED.
- Protection device against extensive discharge
- "Rest mode" facility with remote control device.
- Reference Norms: EN 61347-2-7
- Lamps: LED lamps 230V / GU10



Code	Voltage	Frequency	Power W	Battery V-Ah	Flux %	ta °C	tc °C	Weight	Charge Time
EKT.003	220-240V	5060Hz	3-6.5W	7.2V-1.6Ah	80/100%	0 +60	80	170ar	24h

Technical Data:

- Length battery cable: 280mm.
- Length LED cable: 350mm.
- Led mounting hole: 8.8mm
- Supply current: 20mA max.
- Push-wire connections max. size: 1.5mm²
- Max distance between driver and lamp: 2 meters.

Battery:

Rechargeable high temperature NI-Cd Saft batteries.

- These cells accept a permanent charge for a minimum of 4 years in high-temperature environments (up to +50°C) such as security lighting equipment. Constant current during charge.
- Zero maintenance.
- Long cycle life (over 500 charge discharge cycles).
- Long term storage (up to 4 months in normal conditions: temperature range from +5°C to +25°C in a 65% ±5% relative humidity atmosphere).



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DIMMABLE **ELECTRONIC TRANSFORMER**

- Dimmable with trailing or leading edge dimmers.
- Short circuit protection.

Code	Power Supply	Output Voltage	Max. Watt
TRF.002	230VAC	12VAC	60W



CABLES / CONNECTORS

3P XLR PREFAB CABLE

3PIN MALE TO 3PIN FEMALE XLR (MIC/DMX)

Code	Model	Connectors	Length	Diameter	Colour
WIR.019	3P XLR 150	XLRM / XLRF	150cm	6mm	Black
WIR.020	3P XLR 300	XLRM / XLRF	300cm	6mm	Black
WIR.021	3P XLR 600	XLRM / XLRF	600cm	6mm	Black
WIR.022	3P XLR 900	XLRM / XLRF	900cm	6mm	Black





5PIN MALE TO 5PIN FEMALE XLR CABLE (DMX)

Code	Model	Connectors	Length	Diameter	Colour
WIR.005	5P XLR 150	5P XLRM / 5M XLRF	150cm	6,8mm	Black
WIR.001	5P XLR 300	5P XLRM / 5M XLRF	300cm	6,8mm	Black
WIR.002	5P XLR 600	5P XLRM / 5M XLRF	600cm	6,8mm	Black
WIR.003	5P XLR 900	5P XLRM / 5M XLRF	900cm	6,8mm	Black



XLR CONNECTORS

3P/5P MALE & FEMALE XLR CONNECTORS

Code Model		Connectors
100.003	3P XLRF	3PIN XLR FEMALE
100.002	3P XLRM	3PIN XLR MALE
100.011	5P XLRF	5PIN XLR FEMALE
100.010	5P XLRM	5PIN XLR MALE



WIR.405

DMX CABLE ON SPOOL 100M







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CABLES / CONNECTORS

100

Extension cables with connectors IP68

Code	Description	Code	Description
WIR.500	2 pole 100cm extension cable 2x13A / IP68	WIR.520	2 pole 100cm extension cable 2x30A / IP68
WIR.501	2 pole 200cm extension cable 2x13A / IP68	WIR.521	2 pole 200cm extension cable 2x30A / IP68
WIR.502	2 pole 300cm extension cable 2x13A / IP68	WIR.522	2 pole 300cm extension cable 2x30A / IP68
WIR.503	2 pole 500cm extension cable 2x13A / IP68	WIR.523	2 pole 500cm extension cable 2x30A / IP68
WIR.504	4 pole 100cm extension cable 1x6,6A+3x2,5A / IP68	WIR.524	4 pole 100cm extension cable 1x30A+3x10A / IP68
WIR.505	4 pole 200cm extension cable 1x6,6A+3x2,5A / IP68	WIR.525	4 pole 200cm extension cable 1x30A+3x10A / IP68
WIR.506	4 pole 300cm extension cable 1x6,6A+3x2,5A / IP68	WIR.526	4 pole 300cm extension cable 1x30A+3x10A / IP68
WIR.507	4 pole 500cm extension cable 1x6,6A+3x2,5A / IP68	WIR.527	4 pole 500cm extension cable 1x30A+3x10A / IP68
WIR.512	5 pole 100cm extension cable 1x6,6A+4x2A / IP68	WIR.532	5 pole 100cm extension cable 1x30A+4x8A / IP68
WIR.513	5 pole 200cm extension cable 1x6,6A+4x2A / IP68	WIR.533	5 pole 200cm extension cable 1x30A+4x8A / IP68
WIR.514	5 pole 300cm extension cable 1x6,6A+4x2A / IP68	WIR.534	5 pole 300cm extension cable 1x30A+4x8A / IP68
WIR.515	5 pole 500cm extension cable 1x6,6A+4x2A / IP68	WIR.535	5 pole 500cm extension cable 1x30A+4x8A / IP68
WIR.508	7 pole 100cm extension cable 7x5A / IP68	WIR.528	7 pole 100cm extension cable 7x13A / IP68
WIR.509	7 pole 200cm extension cable 7x5A / IP68	WIR.529	7 pole 200cm extension cable 7x13A / IP68
WIR.510	7 pole 300cm extension cable 7x5A / IP68	WIR.530	7 pole 300cm extension cable 7x13A / IP68
WIR.511	7 pole 500cm extension cable 7x5A / IP66	WIR.531	7 pole 500cm extension cable 7x13A / IP68

The above extension cables are used for junction boxes only. For all other lighting fixtures, extension cables are available on request.

Connectors for cables IP68

For cables w	ith outer diameter: 5-8mm	For cables w	vith outer diameter: 7-12mm
Code	Description	Code	Description
CNC.006	2 pole male connector 13A per pole/ IP68	CNC.026	2 pole male connector 30A per pole/ IP68
CNC.007	2 pole female connector 13A per pole/ IP68	CNC.027	2 pole female connector 30A per pole/ IP68
CNC.008	In-line 2 pole male connector 13A per pole/ IP68	CNC.028	In-line 2 pole male connector 30A per pole/ IP68
CNC.009	In-line 2 pole female connector 13A per pole/ IP68	CNC.029	In-line 2 pole female connector 30A per pole/ IP68
CNC.010	4 pole male connector 5A per pole/ IP68	CNC.030	4 pole male connector 30A per pole/ IP68
CNC.011	4 pole female connector 5A per pole/ IP68	CNC.031	4 pole female connector 30A per pole/ IP68
CNC.012	In-line 4 pole male connector 5A per pole/ IP68	CNC.032	In-line 4 pole male connector 30A per pole/ IP68
CNC.013	In-line 4 pole female connector 5A per pole/ IP68	CNC.033	In-line 4 pole female connector 30A per pole/ IP68
CNC.052	5 pole male connector 5A per pole/ IP68	CNC.081	5 pole male connector 30A per pole/ IP68
CNC.079	5 pole female connector 5A per pole/ IP68	CNC.082	5 pole female connector 30A per pole/ IP68
CNC.080	In-line 5 pole male connector 5A per pole/ IP68	CNC.083	In-line 5 pole male connector 30A per pole/ IP68
CNC.053	In-line 5 pole female connector 5A per pole/ Ip68	CNC.084	In-line 5 pole female connector 30A per pole/ IP68
CNC.014	7 pole male connector 5A per pole/ IP68	CNC.034	7 pole male connector 15A per pole/ IP68
CNC.015	7 pole female connector 5A per pole/ IP68	CNC.035	7 pole female connector 15A per pole/ IP68
CNC.016	In-line 7 pole male connector 5A per pole/ IP68	CNC.036	In-line 7 pole male connector 15A per pole/ IP68
CNC.017	In-line 7 pole female connector 5A per pole/ IP68	CNC.037	In-line 7 pole female connector 15A per pole/ IP68

Chassis connectors IP68

Code	Description		Code	Description	
CNC.000	Chassis 2 pole male	1 3A per pole / IP68	CNC.020	Chassis 2 pole male	30A per pole / IP68
CNC.001	Chassis 2 pole female	13A per pole / IP68	CNC.021	Chassis 2 pole female	30A per pole / IP68
CNC.002	Chassis 4 pole male	5A per pole / IP68	CNC.022	Chassis 4 pole male	30A per pole / IP68
CNC.003	Chassis 4 pole female	5A per pole / IP68	CNC.023	Chassis 4 pole female	30A per pole / IP68
CNC.075	Chassis 5 pole male	5A per pole / IP68	CNC.077	Chassis 5 pole male	30A per pole / IP68
CNC.076	Chassis 5 pole female	5A per pole / IP68	CNC.078	Chassis 5 pole female	30A per pole / IP68
CNC.004	Chassis 7 pole male	5A per pole / IP68	CNC.024	Chassis 7 pole male	15A per pole / IP68
CNC.005	Chassis 7 pole female	5A per pole / IP68	CNC.025	Chassis 7 pole female	15A per pole / IP68



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CABLES / CONNECTORS

T-Connect junction boxes IP68 (1 input + 2 outputs)

Code	Description	Code Description		
CNC.040	T-connect 2p Junction box, 13A, IP68	CNC.045	T-connect 2p Junction box, 30A, IP68	
CNC.041	T-connect 4p Junction box, 5A, IP68	CNC.046	T-connect 4p Junction box, 30A, IP68	
CNC.073	T-connect 5p Junction box, 5A, IP68	CNC.074	T-connect 5p Junction box, 30A, IP68	
CNC.042	T-connect 7p Junction box, 5A, IP68	CNC.047	T-connect 7p Junction box, 15A, IP68	

X-Connect junction boxes IP68 (1 input + 3 outputs)

Code	Description	Code	Description
CNC.048	X-connect 2p Junction box, 13A, IP68	CNC.068	X-connect 2p Junction box, 30A, IP68
CNC.064	X-connect 3p Junction box, 13A, IP68	CNC.069	X-connect 3p Junction box, 30A, IP68
CNC.065	X-connect 4p Junction box, 5A, IP68	CNC.070	X-connect 4p Junction box, 30A, IP68
CNC.066	X-connect 5p Junction box, 5A, IP68	CNC.071	X-connect 5p Junction box, 30A, IP68
CNC.067	X-connect 7p Junction box, 5A, IP68	CNC.072	X-connect 7p Junction box, 15A, IP68

Des





T-Connect mini junction boxes IP65 on request

Description

T-connect 2p Mini Junction box, 13A/4A, IP65 T-connect 3p Mini Junction box, 13A/4A, IP65 T-connect 4p Mini Junction box, 6.6A/4A, IP65 T-connect 5p Mini Junction box, 6.6A/4A, IP65

T-connect 2p Mini Junction box.	304/44 1865
T-connect 3p Mini Junction box,	
T-connect 4p Mini Junction box,	
T-connect 5n Mini, Junction box	304/44 IP65

The above mini junction boxes are provided with female mini connector and 40cm cable.



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IP65 & IP68 Connectors

Lighting Management, Power Supplies & Controllers

IP68 CONNECTORS

H-Connect junction IP68 (1 input + 3 outputs)

Code	Description	Cable diameter
CNC.100	H-connect 4p Junction, 17.5A, IP68	7-12mm
CNC.106	H-connect 5p Junction, 16A, IP68	7-14mm
CNC.101	End cap with rubber holder for CNC.100	











CNC 103

CNC.104





CNC 102







Connectors for cables IP68

Code	Description	Cable diameter
CNC.102	4 pole connector 32A per pole/ IP68	7-12mm
CNC.103	4 pole connector 32A per pole/ IP68	7-13.5mm
CNC.104	4 pole connector 17.5A per pole/ IP68	7-13.5mm

IP68 MICRO CONNECTORS

2 pole con	nectors 10A per pole IP68		CNC.107	57.2
Code	Description	Cable diameter		14.2
CNC.107 CNC.108	2 pole connector female 10A per pole/ IP68 2 pole connector male 10A per pole/ IP68	5.8-6.9mm 5.8-6.9mm	CINC.108	58.3

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IP65 JUNCTION BOX

T-Connec	ct ju	Inction box IP65 (1 input + 2 ou	puts)	
Code		Description	Cable diameter	
CNC.105	I	T-connect 4p Junction, 24A, IP65	8-17.5mm	



IP68 CONNECTORS WITH SEALING GEL

Connector	Connectors for cables IP68	
Code	Description	Cable diameter
GEL.001 GEL.002	2 pole connector 6A per pole/ IP68 2 pole connector 10A per pole/ IP68	4.8-6mm 5.5-10mm

H-Connect junction IP68 (1 input + 3 outputs) Description

GEL.003 H-connect 3p Junction, 16A, IP68





GEL.003		
	D-D	ĺ



Connectors for cables IP68

Code

Code	Description	Cable diameter
GEL.004	T-connect 3p Junction, 16A, IP68	6.5-12mm (in/out) / 5.5-10mm (output)
GEL.005	T-connect 2p Junction, 6A, IP68	5.5-9mm
GEL.006	T-connect 5p Junction, 10A, IP68	6.5-12mm (in/out) / 5.5-10mm (output)





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Cable diameter

6.5-12mm







EXTENSION CABLES & SPLITTERS





2 pole extension cables & splitters

IP protection: IP20

Code	Description	_	
WIR.130	Male+Female 2 pole extension cable 12-24V / 6A, 2x0.75mm ² , IP20, 100cm		
WIR.131	Male+Female 2 pole extension cable 12-24V / 6A, 2x0.75mm ² , IP20, 200cm		
WIR.132	Male+Female 2 pole extension cable 12-24V / 6A, 2x0.75mm ² , IP20, 500cm		ep 😳
Code	Description	0	
WIR.134	Six way, 2 pole splitter for WIR.130-131-132 with 100cm cable 12-24V / 10A (max 5A/socket),	.IP20	6666633
Code	Description	1	
WIR.135	Two way, 2 pole splitter for WIR.130-131-132, 12-24V / 10A (max 5A/socket), IP20		

4 pole extension cables & splitters

IP protection: IP20

Code	Description
WIR.136	Male+Female 4 pole extension cable 12-24V / 6A max, 4x0.34mm ² , IP20, 100cm
WIR.137	Male+Female 4 pole extension cable 12-24V / 6A max, 4x0.34mm ² , IP20, 200cm
WIR.138	Male+Female 4 pole extension cable 12-24V / 6A max, 4x0.34mm ² , IP20, 500cm

Description
Six way, 4 pole splitter for WIR.136-137-138 with 100cm cable 12-24V / 6A max
Description

COUP	Description
WIR.140	Mounting Kit for sockets WIR.130-131-132-136-137-138

5 pole extension cables IP67

IP protection: IP67

Code	Description
WIR.141	Male+Female 5 pole extension cable 12-24V / 2A, 5x0.2mm ² , IP67, 100cm
WIR.142	Male+Female 5 pole extension cable 12-24V / 2A, 5x0.2mm ² , IP67, 200cm
WIR.143	Male+Female 5 pole extension cable 12-24V / 2A, 5x0.2mm ² , IP67, 500cm



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Lighting Management, Power Supplies & Controllers

LED CABLES RGB & RGBW

- 4wire or 5wire LED supply cable, RGB or RGBW in the corresponding colors and common return with cross section of 1 amm in black colour, to simplify the installation and minimaze any mistakes.
- Twisted cores in lavers and bending radius 8xO.D. static.



4 Wires LED PVC Cables

Code	Description	Cove Colours	Jacket Colour	Outer Diameter	Static Ambient Temperature	_
WIR.110	PVC high flexibility cable 3x0,50mm ² + 1x1mm ²	Red / Green / Blue / Black	Black	5.1mm	-20°C to +70°C	>
WIR.111	PVC high flexibility cable 3x0,50mm ² + 1x1mm ²	Red / Green / Blue / Black	White	5.1mm	-20°C to +70°C	>
WIR.115	PVC flexible UV resistant cable 3x0,50mm ² + 1x1mm ² (suitable for outdoor use)	Red / Green / Blue / Black	Light Grey	5.1mm	-20°C to $+70^\circ\text{C}$	\geq

5 Wires LED PVC Cables

Code	Description	Cove Colours	Jacket Colour	Outer Diameter	Static Ambient Temperature	
WIR.112	PVC high flexibility cable 4x0,50mm ² + 1x1mm ²	Red / Green / Blue / White / Black	Black	5.9mm	-20°C to +70°C	>
WIR.113	PVC high flexibility cable 4x0,50mm ² + 1x1mm ²	Red / Green / Blue / White / Black	White	5.9mm	$\text{-}20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$	*
WIR.114	PVC flexible UV resistant cable 4x0,50mm ² + 1x1mm ² (suitable for outdoor use)	Red / Green / Blue / White / Black	Light Grey	5.9mm	-20°C to $+70^\circ\text{C}$	×



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PREMIUM SERIES TRAILING

✓ Trailing edge dimmers
 ✓ Leading edge dimmers
 ✓ HF fluorescent controllers
 ✓ Relay switches



PREMIUM 79 / 68 / 37 SERIES of multifunctional custom made power controllers NEW power units with Trailing Edge dimmers for:

- LED lamps dimmable with Trailing Edge dimmers
- CFLs and electronic transformers for Trailing Edge dimming
- Designed and manufactured by ELECTRON SA



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Designed & Manufacture by ELECTRON SA

PREMIUM 79 Series GO TRAILING!

Available versions:

- Premium 79 with 24 channels x 6A per channel
- Premium 79 with 36 channels x 4A per channel
- Premium 79 with 48 channels x 3A per channel



PREMIUM 68 Series GO TRAILING!

Available versions:

Premium 68 with 12 channels x 6A per channel



PREMIUM 37 Series GO TRAILING!

Available versions:

- Premium 37 with 12 channels x 3A per channel
- Premium 37 with 9 channels x 4A per channel
- Premium 37 with 6 channels x 6A per channel

<u>Note:</u> You can have different power units that control different types of loads in the same Premium! Thus, one Premium can have Trailing edge dimmers, Leading edge dimmers, HF fluorescent controllers (1/10V) and relay switches, in the same enclosure!

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ACTOR BASE TRAILING





NEW ACTOR BASE Trailing Edge dimmer

Designed and manufactured by ELECTRON SA

ACTOR Series GO TRAILING!

Actor Base 610 is made with 6 channels 10A per channel and it can now dim:



- LED lamps dimmable with Trailing Edge dimmers
- CFLs and electronic transformers for Trailing Edge dimming

Model	Number of	Channel Capacity	Maximum Current	Supply	Dimensions
	Channels	(Watts at 230V)	per Channel	Voltage	(WxHxD)
ACTOR B610 Trailing Edge	6	2300	10A	400/230V~3/N/PE/ 50Hz	482x88x340mm









DMX MERGER SPLITTER

Lighting Management, Power Supplies & Controllers

Can be used for merging information from two separate DMX signals in one.

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by ELECTRON SA

Code: DEM 046

Features - Technical specifications

- · Two DMX-512 inputs.
- Two optical isolated outputs
- Optical isolation between two outputs.
- Four operating modes (HTP, LAST, BACKUP, MERGE).
- Dip switches for start address selection.
- · Dip switch for DMX signal termination on each input
- Connection up to 25 devices on each output port.
- Two XLR 5-pin male plugs for DMX input connection
- Two XLR 5-pin female plugs for DMX output connection.
- Power supply: 230VAC 50/60Hz.
- Power consumption: 2W
- Ambient temperature: -20 / +50oC.







DMX REPEATER

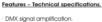
Can be used for expansion or/and branching of DMX network

Code: DEM.045

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- Input output optical isolation.
- Input signal termination capability.
- Connection up to 25 devices in output port.
- Capable of up to 5 Repeaters in series connection.
- Power supply: 230VAC 50/60Hz.
- Power consumption: 1,8 W
- Ambient temperature : -20 / +50oC
- 0,5-2,5mm² screw terminals, for DMX input and output cable connection. Dimensions: L x W x H: 125mm x 68,5mm x 42,5mm.



- DMX address set up through WI-Fi.
- Test DMX fixtures and connections
- User friendly mobile app.

Code	Power Supply	Output Signal	Operating System	Protocol	4.
PCK.218	5-24VDC	DMX 512 / RDM	ANDROID or IOS	2.4GHz WI-FI	ব





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