



ECO

# CARATTERISTICHE COMUNI ALLA SERIE ECO

## CHARACTERISTICS COMMON TO THE ECO SERIES



ECO è la famiglia più completa di apparecchi LED stagni ad uso civile ed industriale, appositamente progettati per garantire la massima efficienza energetica ed elasticità d'impiego.

Il corpo lampada tubolare monoscocca è stato progettato per eliminare i ganci meccanici per l'assemblaggio scocca-diffusore, semplificando il lavoro di installazione e migliorando la tenuta IP del prodotto.

Viene realizzato mediante co-estrusione in policarbonato (PC) con elevato coefficiente di rendimento luminoso, autoestinguente V2, stabilizzato agli UV, permette di minimizzare le infiltrazioni di polveri ed umidità all'interno dell'apparecchio, inoltre l'inaccessibilità della componentistica elettronica ne preserva la pulizia e ne previene il danneggiamento. L'esterno liscio del diffusore permette una sua veloce e perfetta pulizia. Corpo lampada virtualmente infrangibile compatibilmente con le esalazioni e atmosfere che potrebbero comprometterne l'elasticità (per maggiori informazioni contattare i nostri uffici tecnici).

Riflettore in alluminio, ossidato anodicamente (sp. 3 $\mu$ ) e brillantato per garantire un elevato rendimento luminoso e un'elevata dissipazione del calore per garantire la massima durata ed efficienza del LED. ECO non presenta alcun BLACK SPOT e l'illuminazione è perfettamente uniforme per tutta la lunghezza. Nessuna manutenzione necessaria, installazione facile e veloce mediante connettore ad innesto rapido IP. Apparecchi idonei, dal punto di vista igienico, all'utilizzo in impianti di produzione nell'industria alimentare (HACCP / IFS / BRC Standard) ed in ambienti interni asciutti, polverosi, con occasionali getti d'acqua. Non idonea su superfici soggette a forti vibrazioni, esposte agli agenti atmosferici. Non idonea in ambienti con presenza di gas di cloro, etere di petrolio, miscela di idrocarburi, vapori di olii minerali evanescenti e di emulsioni lubrificanti per il raffreddamento di macchine utensili.

Grazie ai diversi trattamenti superficiali eseguiti mediante co-estrusione al policarbonato il comfort visivo viene sempre garantito, anche con altezze di installazione inferiori ai 2 metri. Le diverse tipologie di schermature e gruppi ottici rendono gli apparecchi della famiglia ECO adeguati ai diversi usi, tipici degli ambienti industriali, ottiche satinata o intensive per installazioni a grandi altezze (magazzini verticali) e ottiche opali o park per installazioni a quote più contenute (bordi macchina, parcheggi sotterranei).

Le plafoniere stagne ECO sono state progettate non solo per il settore industriale, dove vengono richieste un'elevata efficienza energetica e livelli di sicurezza meccanica elevati, ma anche per il settore alimentare dove la pulizia e la robustezza sono fondamentali per il rispetto delle norme di riferimento. L'installazione degli apparecchi ECO è possibile anche a basse temperature (-40°C) e alte temperature (+70°C) grazie alle versioni speciali BRIVIDO e OASI.

- Riduzione dei consumi e aumento dell'efficienza grazie all'impiego di sorgenti ad alta efficienza.
- Utilizzo limitato di materiali diversi fra loro, in modo da facilitarne le fasi di assemblaggio, installazione e riciclo: le plafoniere stagne ECO sono realizzate soltanto con: policarbonato (corpo lampada), alluminio (riflettore) e rame (circuiti stampati). Tutti i componenti sono riciclabili e facilmente disassemblabili favorendo la dismissione del prodotto a fine vita.
- Possibilità di utilizzare i punti di fissaggio preesistenti. Le staffe di fissaggio a innesto rapido scorrono su tutto il dorso della lampada.
- Rapida installazione grazie alle staffe di fissaggio (fornite in dotazione) realizzate in acciaio INOX. La staffa di fissaggio scorrevole consente l'adattamento alla dilatazione dell'apparecchio anche in ambienti caratterizzati da escursioni termiche particolarmente accentuate.
- I prodotti della famiglia ECO, nella variante con CRI >90, sono conformi al CAM - Criteri Ambientali Minimi per edifici pubblici.

ECO is the most complete family of watertight LED luminaires for civil and industrial use, specially designed to ensure maximum energy efficiency and flexibility of use.

The monocoque tubular lamp body was designed to eliminate the mechanical hooks for the body-diffuser assembly, simplifying the installation work and improving the IP seal of the product.

It is made by co-extrusion in polycarbonate (PC) with a high luminous efficiency coefficient, self-extinguishing V2, UV stabilized, it allows to minimize the infiltration of dust and humidity inside the luminaire, moreover the inaccessibility of the electronic components preserves it cleaning and prevents damage. The smooth exterior of the diffuser allows it to be quickly and perfectly cleaned. Virtually unbreakable lamp body compatibly with the fumes and atmospheres that could compromise its elasticity (for more information contact our technical offices).

Aluminum reflector, anodically oxidized (3 $\mu$  thick) and polished to ensure high light output and high heat dissipation to ensure maximum LED life and efficiency. ECO has no BLACK SPOT and the lighting is perfectly uniform along the entire length. No maintenance required, quick and easy installation by means of an IP quick coupling connector. Equipment suitable, from a hygienic point of view, for use in production plants in the food industry (HACCP / IFS / BRC Standard) and in dry, dusty indoor environments, with occasional jets of water. Not suitable for surfaces subject to strong vibrations, exposed to atmospheric agents. Not suitable in environments with the presence of chlorine gas, petroleum ether, a mixture of hydrocarbons, evaporating mineral oil vapors and lubricating emulsions for cooling machine tools.

Thanks to the various surface treatments carried out by co-extrusion with polycarbonate, visual comfort is always guaranteed, even with installation heights of less than 2 meters. The different types of shields and optical groups make the ECO family luminaires suitable for different uses, typical of industrial environments, satin or intensive optics for installations at great heights (vertical warehouses) and opal or park optics for installations at lower altitudes (edges car, underground parking).

The ECO watertight ceiling lights have been designed not only for the industrial sector, where high energy efficiency and high mechanical safety levels are required, but also for the food sector where cleanliness and sturdiness are essential for compliance with the reference standards. The installation of ECO appliances is also possible at low temperatures (-40 ° C) and high temperatures (+ 70 ° C) thanks to the special versions BRIVIDO and OASI.

- Reduction in consumption and increased efficiency thanks to the use of high efficiency sources.
- Limited use of different materials, in order to facilitate the assembly, installation and recycling phases: the ECO watertight luminaires are made only with: polycarbonate (lamp body), aluminum (reflector) and copper (printed circuits). All components are recyclable and easily disassembled, favoring the disposal of the product at the end of its life.
- Possibility of using the existing fixing points. The quick-fit fixing brackets slide along the entire back of the lamp.
- Quick installation thanks to the fixing brackets (supplied) made of stainless steel. The sliding fixing bracket allows adaptation to the expansion of the device even in environments characterized by particularly pronounced thermal excursions.
- The ECO family products, in the variant with CRI > 90, comply with the CAM - Minimum Environmental Criteria for public buildings.

# ECO | plafoniera stagna



Watertight LED fixture for the lighting of industrial environments that can be installed on ceiling, suspension and busway-light using the special stainless steel brackets (supplied) that are easy and quick to install. Lamp body in polycarbonate (opal or satin depending on the installation height) monocoque with high luminous efficiency coefficient, self-extinguishing V2, UV stabilized. Aluminum reflector, anodically oxidized (3µ thick) and polished to ensure high light output and high heat dissipation to ensure maximum LED life and efficiency. Complete with watertight quick coupling connector for connection to the line.

### Source

LED modules specially designed to ensure maximum performance and efficiency.

### Optics

Roto-symmetrical emission (see table opposite).

### Power supply

Electronic power supply integrated in the body of the fixture, available in the standard (on-off) and dimmable (DALI) version. Power supply 220-240Vac 50 / 60Hz. Surge protection 4KV.

### On Demand

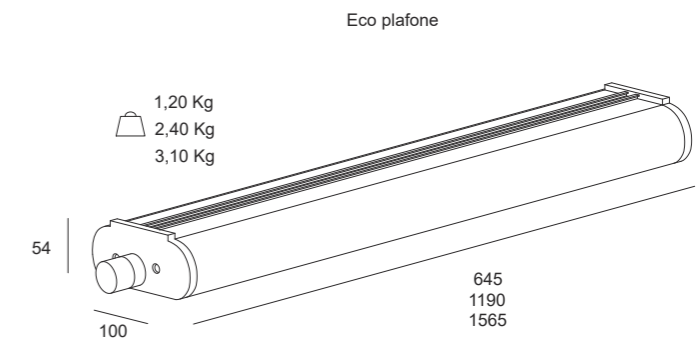
Emergency group (EN 60598-2-22) self-powered 1h.

Emergency group (EN 60598-2-22) self-powered 3h.

### Note

The INTENSIVE version is also available for the lighting of vertical warehouses or PARK for the lighting of underground parking lots.

All models of the ECO family are available in input-only or input-output versions.



## ECO | plafoniera stagna

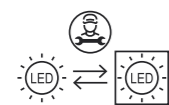
Relamping	Lumen LED**	Watt LED*	Lumen OUT**	Classe Energetica Energy rating***	L Lunghezza L Lenght	K	Alimentazione Power supply	Schermo Diffuser			
1x80	6120	32W	4548	E	1565 mm	3.000° K 4.000° K 5.000° K 6.000° K	ON-OFF On Demand DALI	SATINATO / OPALE			
1x72	4795	24W	3728	D							
2x58	8960	40W	6510	D							
2x80	12160	64W	9188	E							
2x72	10880	54W	7921	E							
1x58	4620	24W	3552	E	1190 mm				3.000° K 4.000° K 5.000° K 6.000° K	ON-OFF On Demand DALI	SATINATO / OPALE
1x49	3590	18W	2810	D							
2x36	6730	31W	4920	D							
2x54	9092	48W	6914	E							
2x49	8199	41W	5942	E							
1x18	1495	7W	1130	D	645 mm	3.000° K 4.000° K 5.000° K 6.000° K	ON-OFF On Demand DALI	SATINATO / OPALE			
2x18	2790	15W	2243	E							

P. Stand-by: 0 | P. Stand-by in rete: 0 | Int. Elettrica: 230 Vac 50Hz

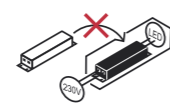
\*LED power \*\*Total flow exiting the appliance @ Tamb 25° - 4000°K \*\*\*This product contains an Energy Efficiency Class light source D, E Consider a reduction in the output flow of the 8% for LED source 3000°K, e del 10% for LED source CRI>90



On Demand:



Sorgente LED sostituibile solo da tecnico abilitato  
LED source replaceable only by a qualified technician



Alimentatore non sostituibile  
Non-replaceable power supply

Request the replacement manual from our technical offices

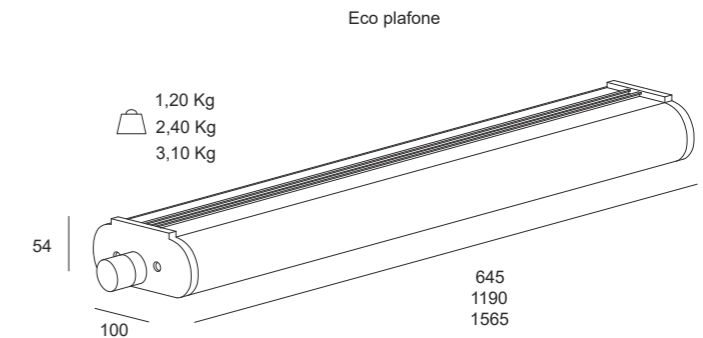
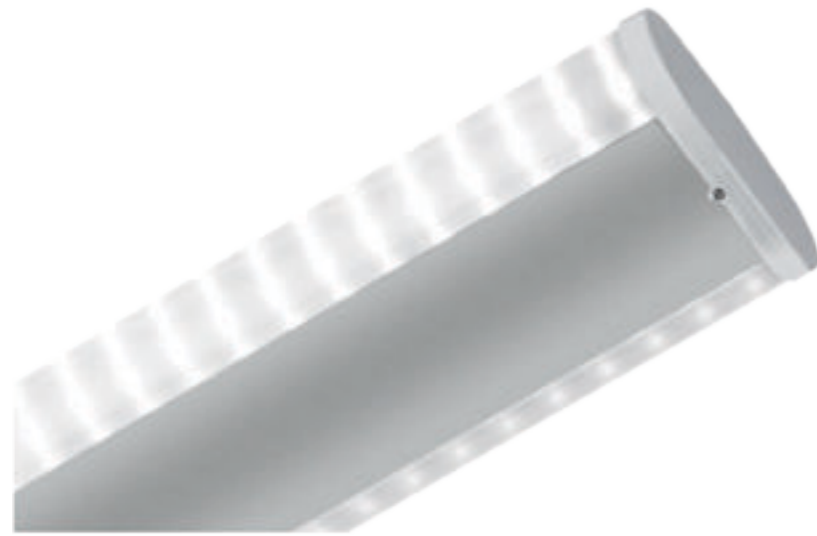


For applications in environments where there may be disturbances on the electrical network and/or for use at low/high temperatures, it is necessary to provide protection against network overvoltages (Surge Protection Device) on the power supply line and the elimination of any causes of under-voltages. The warranty and assistance conditions are to be considered valid only if the lighting fixtures are installed in a workmanlike manner.

For information regarding sizing, distribution of lighting fixtures, the maximum number of products that can be powered simultaneously and chemical resistance of stresses, contact our technical offices.

For information relating to the minimum/maximum number of lighting fixtures that can be installed under each switch, where not expressly indicated in our installation manuals, contact our technical offices. For correct assembly of the appliance, consult the user manual. For updated technical data or further technical information, consult the website (www.xlitesrl.it)

# ECO park | plafoniera stagna



Watertight LED lighting fixture for underground car parks that can be installed on ceiling, suspension and busway-light using the special stainless steel brackets (supplied) that are easy and quick to install. Lamp body in polycarbonate (opal or satin depending on the installation height) monocoque with high luminous efficiency coefficient, self-extinguishing V2, UV stabilized. Aluminum reflector, anodically oxidized (3µ thick) and polished to ensure high light output and high heat dissipation to ensure maximum LED life and efficiency. Complete with watertight quick coupling connector for connection to the line.

#### Source

LED modules specially designed to ensure maximum performance and efficiency.

#### Optics

Roto-symmetrical emission (see table opposite).

#### Power supply

Electronic power supply integrated in the body of the fixture, available in the standard (on-off) and dimmable (DALI) version. Power supply 220-240Vac 50 / 60Hz. Surge protection 4KV.

#### On Demand

Emergency group (EN 60598-2-22) self-powered 1h.

Emergency group (EN 60598-2-22) self-powered 3h.

#### Note

The INTENSIVE version is also available for the lighting of vertical warehouses or PARK for the lighting of underground parking lots. All models of the ECO family are available in input-only or input-output versions.

### ECO park | plafoniera stagna

Relamping	Lumen LED**	Watt LED*	Lumen OUT**	Classe Energetica Energy rating***	L Lunghezza L Lenght	K	Alimentazione Power supply	Schermo Diffuser
2x58	9520	49W	7495	D A T G	1565 mm	3.000° K 4.000° K 5.000° K 6.000° K	ON-OFF On Demand DALI	SATINATO
2x80	12135	66W	9520	D A T G				
2x36	7185	37W	5492	D A T G	1190 mm			
2x54	9110	47W	7053	D A T G				
1x58	4810	25W	3740	D A T G	810 mm			
1x80	6160	33W	4820	D A T G				

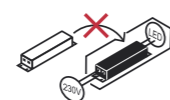
P. Stand-by: 0 | P. Stand-by in rete: 0 | Int. Elettrica: 230 Vac 50Hz  
 \*LED power \*\*Total flow exiting the appliance @ Tamb 25° - 4000°K \*\*\*This product contains an Energy Efficiency Class light source D  
 Consider a reduction in the output flow of the 8% for LED source 3000°K, e del 10% for LED source CRI>90



On Demand:



Sorgente LED sostituibile solo da tecnico abilitato  
LED source replaceable only by a qualified technician



Alimentatore non sostituibile  
Non-replaceable power supply

Request the replacement manual from our technical offices



For applications in environments where there may be disturbances on the electrical network and/or for use at low/high temperatures, it is necessary to provide protection against network overvoltages (Surge Protection Device) on the power supply line and the elimination of any causes of under-voltages. The warranty and assistance conditions are to be considered valid only if the lighting fixtures are installed in a workmanlike manner.

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# ECO intensive | plafoniera stagna



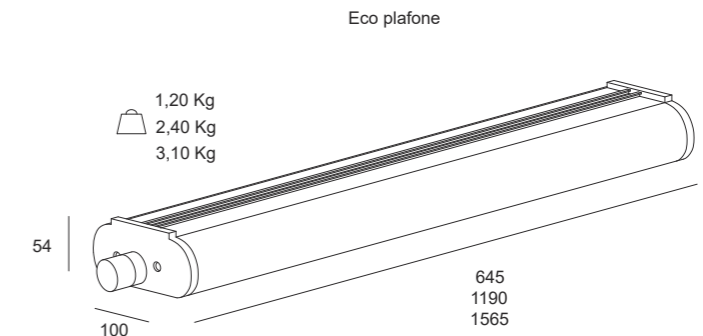
Body in self-extinguishing satin-finish coextruded polycarbonate, resistant to UV rays. The smooth exterior of the diffuser allows for quick and perfect cleaning.  
 End caps in molded polycarbonate with sealing gasket and quick coupling connector.  
 Internal aluminum structure for high heat dissipation to ensure maximum LED life and efficiency.  
 Female socket to be wired included.  
 Ceiling or suspension installation with the special brackets included. The quick-fit fixing brackets slide along the entire back of the lamp.

## Optic

Primary optic in specular aluminum with heatsink function.  
 Concentrating secondary optic in extruded polycarbonate.  
 The different types of screens and optical groups make ECO usable in industrial environments and warehouses where high energy efficiency and high mechanical safety levels are required.  
 ECO has no BLACK SPOT and the lighting is perfectly uniform along the entire length.

## Accessories

Self-powered emergency group 1h  
 Electric shock protection



## ECO intensive | plafoniera stagna

Relamping	Lumen LED**	Watt LED*	Lumen OUT**	Classe Energetica Energy rating***	L Lunghezza L Lenght	K	Alimentazione Power supply	Schermo Diffuser
1x72	4850	25W	3460	E A T G	1565 mm	3.000° K 4.000° K 5.000° K 6.000° K	ON-OFF  On Demand DALI	SATINATO
1x80	5964	31W	4120	E A T G				
2x72	9582	49W	6550	E A T G				
2x80	12150	64W	8340	E A T G				
1x36	3680	19W	2535	E A T G	1190 mm			
1x54	4740	25W	3198	E A T G				
2x36	7230	35W	4726	E A T G				
2x54	9120	49W	6132	E A T G				

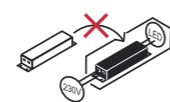
P. Stand-by: 0 | P. Stand-by in rete: 0 | Int. Elettrica: 230 Vac 50Hz  
 \*LED power \*\*Total flow exiting the appliance @Tamb 25° - 4000°K \*\*\*This product contains an Energy Efficiency Class light source E  
 Consider a reduction in the output flow of the 8% for LED source 3000°K, e del 10% for LED source CRI>90



On Demand:



Sorgente LED sostituibile solo da tecnico abilitato  
 LED source replaceable only by a qualified technician



Alimentatore non sostituibile  
 Non-replaceable power supply

Request the replacement manual from our technical offices



For applications in environments where there may be disturbances on the electrical network and/or for use at low/high temperatures, it is necessary to provide protection against network overvoltages (Surge Protection Device) on the power supply line and the elimination of any causes of under-voltages. The warranty and assistance conditions are to be considered valid only if the lighting fixtures are installed in a workmanlike manner.

For information regarding sizing, distribution of lighting fixtures, the maximum number of products that can be powered simultaneously and chemical resistance of stresses, contact our technical offices.

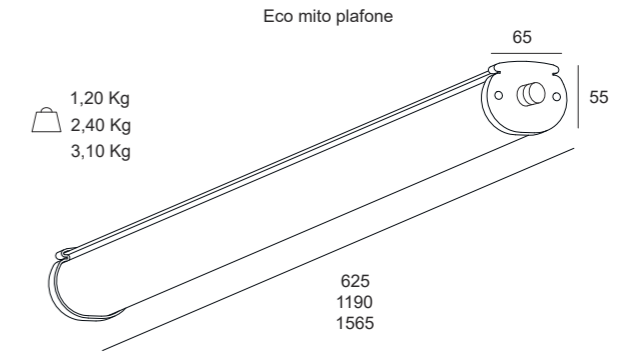
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# ECO mito | plafoniera stagna



Body in opal self-extinguishing co-extruded polycarbonate, resistant to UV rays.  
 Plastic caps with sealing gasket and quick-fit connector. Supplied complete with cable gland for electrical connection. Ceiling installation with quick-fit fixing brackets, suspended with stainless steel hooks to be applied to the brackets.  
 Electronic power supply integrated into the lamp body.

**Optic**  
 Diffusing optic in anodized extruded aluminum with heat sink function.



ECO mito   plafoniera stagna									
Relamping	Lumen LED**	Watt LED*	Lumen OUt**	Classe Energetica Energy rating***	L Lunghezza L Lenght	K	Alimentazione Power supply	Schermo Diffuser	
1x58	4150	25W	3015	E A T G	1565 mm	3.000° K 4.000° K 6.000° K	ON-OFF	OPALE	
2x58	8497	49W	6280	E A T G					
1x36	3128	19W	2378	E A T G	1190 mm				
2x36	6123	38W	4760	E A T G					
2x30	6483	39W	4890	E A T G					
2x58	8624	48W	6247	E A T G					
1x18	1510	9W	1067	E A T G	625 mm				
2x18	2940	18W	2167	E A T G					

P. Stand-by: 0 | P. Stand-by in rete: 0 | Int. Elettrica: 230 Vac 50Hz  
 \*LED power \*\*Total flow exiting the appliance @ Tamb 25° - 4000°K \*\*\*This product contains an Energy Efficiency Class light source E  
 Consider a reduction in the output flow of the 8% for LED source 3000°K, e del 10% for LED source CRI>90



Sorgente LED sostituibile solo da tecnico abilitato  
 LED source replaceable only by a qualified technician

Alimentatore non sostituibile  
 Non-replaceable power supply

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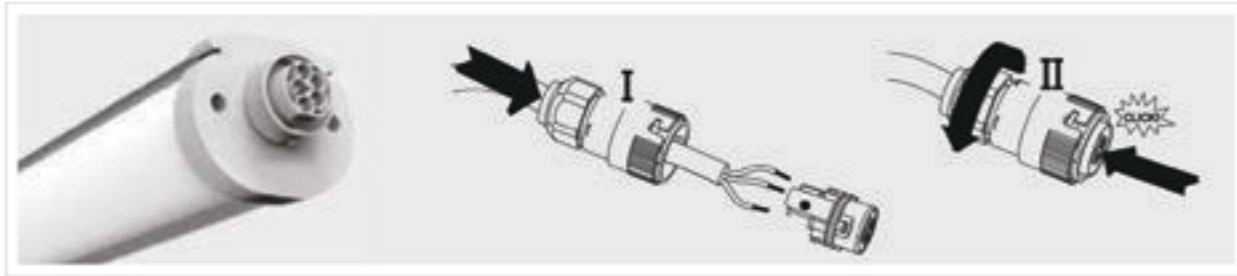
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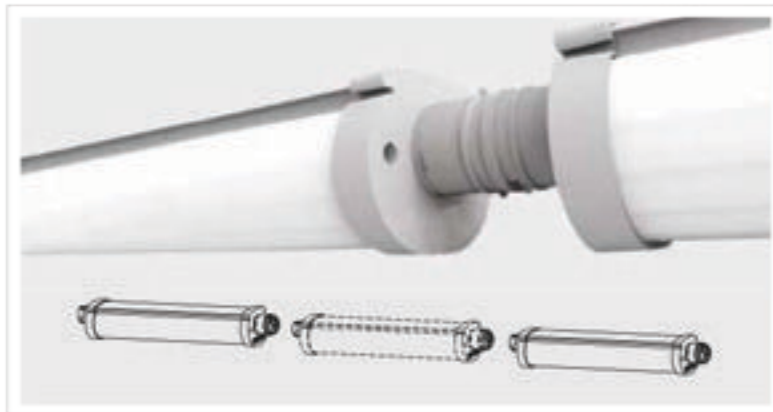
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## SISTEMA DI CABLAGGIO - CABLING SYSTEM

**ECO MITO** | Completa di presa e spina 5 poli a innesto rapido per il collegamento elettrico. | *5 poles connection plug and socket for a quick electrical connection included.*

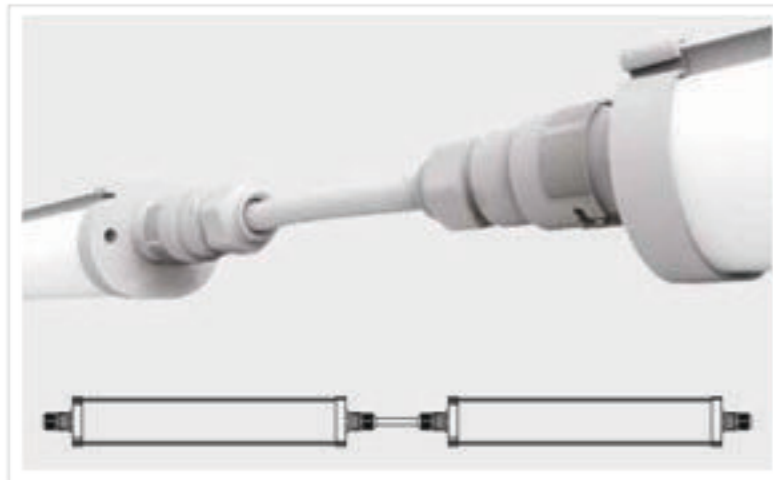
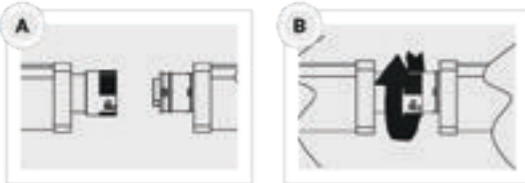


**ECO MITO PROLUNGABILE** | Cablaggio passante 5 poli, completa di presa maschio e femmina per fila continua. | *With passing power line 5 poles, plug and socket for continuous line included.*



**PRESA FEMMINA**  
Per alimentazione da cablare  
Lunghezza 54mm.

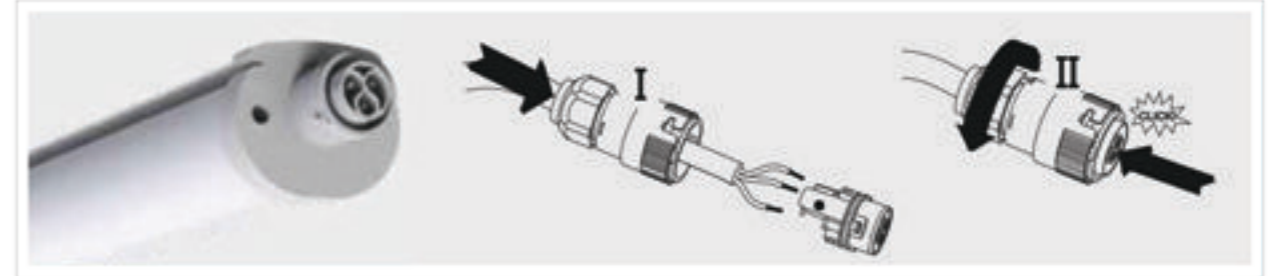
**FEMALE SOCKET**  
Female socket to be wired  
Lenght 54mm.



Prolunga lunghezza 300-600-800-1000 mm 5 POLI, completa di presa femmina e spina maschio.  
*Extension cord 300-600-800-1000mm with 5 POLES, plug and socket.*

## SISTEMA DI CABLAGGIO - CABLING SYSTEM

**ECO MITO** | Completa di presa e spina 3 poli a innesto rapido per il collegamento elettrico. | *3 poles connection plug and socket for a quick electrical connection included.*

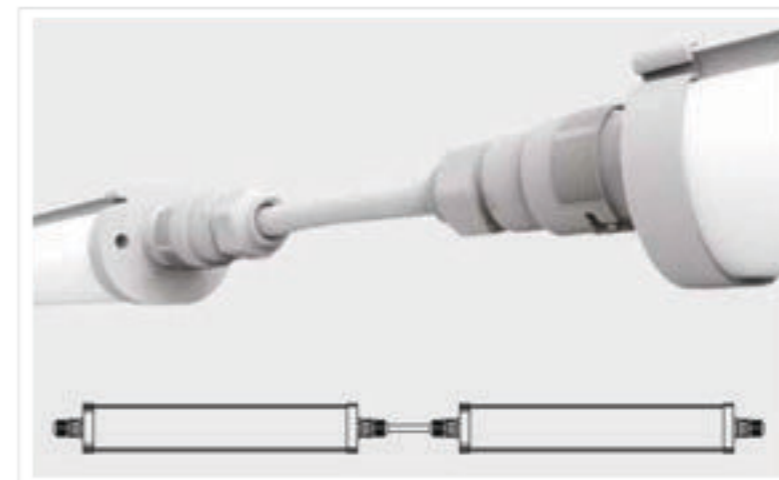
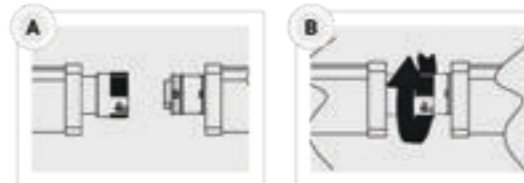


**ECO MITO PROLUNGABILE** | Cablaggio passante 3 poli, completa di presa maschio e femmina per fila continua. | *With passing power line 3 poles, plug and socket for continuous line included.*



**PRESA FEMMINA**  
Per alimentazione da cablare  
Lunghezza 54mm.

**FEMALE SOCKET**  
Female socket to be wired  
Lenght 54mm.



Prolunga lunghezza 300-600-800-1000 mm 3 POLI, completa di presa femmina e spina maschio.  
*Extension cord 300-600-800-1000mm with 3 POLES, plug and socket.*