



| T-CITY



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### Waterproof protection for LED lighting

The T-CITY series was designed as LED lighting device for CNC machines. Elegant and compact, the T-CITY has just 38 mm diameter, making it suitable to fit small spaces. The lamp body is designed to combine design and resistance: the structure, made of anodized aluminium and borosilicate glass, is waterproof and thus perfect to use within CNC and electrical discharge machining. The side caps are in aluminium with Viton® gaskets and INOX screws, that make it resistant to dust and mechanical particles. The tempered borosilicate glass is 3 mm thick and protects the lamp from shocks and vibrations and can withstand very high temperatures. Furthermore its tubular shape prevents deposits and cutting waste and facilitates cleaning operations.

- High degree of protection IP68
- Side caps in aluminium with Viton seals and stainless steel screws, which guarantee total protection against many oils and aggressive liquids
- Stainless steel side caps option available for agri-food applications
- 3 mm borosilicate glass that protects the lamps against vibration and resists against high temperature
- Last generation LED Multichip 6W (720 lum), free from photobiological hazards in accordance with EN 62471:2009
- LED power with 60,000 hours of average life, which eliminates maintenance costs and guarantees 50% energy saving
- I.D.S. system (Integrated Driver System) for direct connection to 24 Vdc
- 4 versions available with cable or M12 connector



01\_Connection with an M12 connector  
02\_Last generation LED Multichip

## LED Multichip. Total light power.

### RESISTANCE AND RELIABILITY.

We have chosen the light of 6W LED Multichip for our T-CITY. The light source has long life span, av. 60.000 hours, and provides a powerful luminous flux at 120°. It is photobiological risk-free according to EN 62471:2009, creating a safe environment for the eyes of the operators. C.C.E.A. high-performance circuits with I.D.S. system (Integrated Driver System) allows the direct connection to 24 Vdc, without additional components, in compliance with international standards on low voltage. You can also connect the lamp through the use of a switching to 230 V or with a M12 connector. In a single LED high CRI values and a long life span are enclosed, in addition to a compact design that allows to have a high luminous flux in a small space. The protective glass is completely transparent and thus keep the same luminous efficiency and the high CRI values.

The fastening devices of the T-CITY are designed to allow a wide adjustment of the light beam within the structure, while keeping complete stability of the lamp.

We have not designed just a lamp but a whole set of 4 versions, further customizable on demand, thus making the T-CITY easy to adapt to multiple structures. Our internal flexibility allows us to adapt our lights to specific installation requirements. Our technical department is available to develop a lighting system according to specific needs.

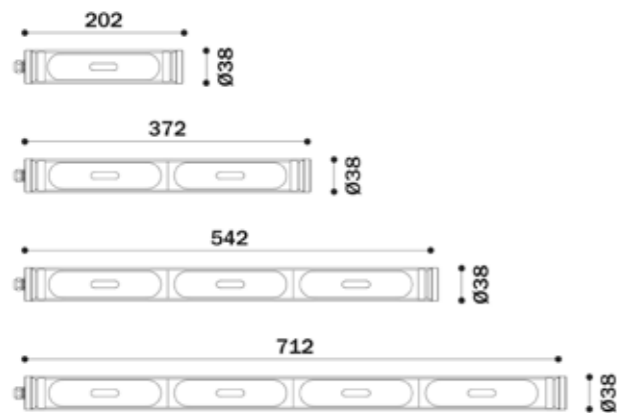
A tailor-made light for your machines.

# T-CITY

## Technical datasheet



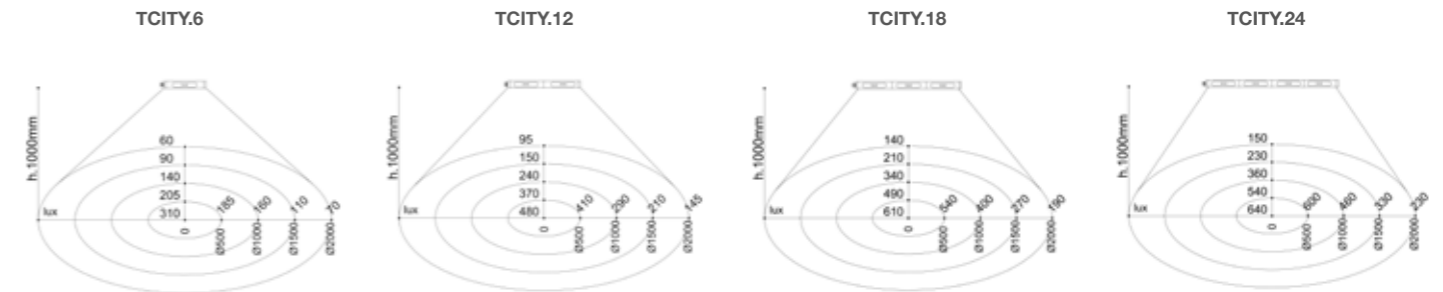
- Waterproof structure IP68, perfect for CNC and EDM machines
- Resistant to many lubricants and coolants
- I.D.S. technology for direct 24Vdc connection
- Available with a side cable or M12 connector
- 4 lengths available
- Protection against reverse polarity



### TECHNICAL FEATURES

	TCITY.6	TCITY.12	TCITY.18	TCITY.24
Power supply	24Vdc	24Vdc	24Vdc	24Vdc
Power	6W	12W	18W	24W
Current	0,7 A	0,7 A	1,4 A	1,4 A
Degree of protection	IP68	IP68	IP68	IP68
LED type	mini Power LED	mini Power LED	mini Power LED	mini Power LED
LED lifespan	50.000 hours	50.000 hours	50.000 hours	50.000 hours
Lumen LED	720 lum - 120°	1440 lum - 120°	2160 lum - 120°	2880 lum - 120°
Light color	5000K -CRI65	5000K -CRI65	5000K -CRI65	5000K -CRI65
Structure	anodized aluminium	anodized aluminium	anodized aluminium	anodized aluminium
Glass	borosilicate	borosilicate	borosilicate	borosilicate
Fastening	side plates T.FX01	side plates T.FX01	side plates T.FX01	side plates T.FX01
Cable	neoprene	neoprene	neoprene	neoprene

### LUMINANCE DIAGRAMS



### ORDER CODES

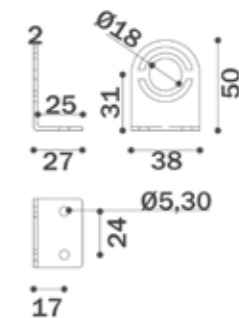
TCITY.6	6W - cable 1,5 m	TCITY.24.M12	24W - M12	TCITY.18.C5	18W - cable 5 m
TCITY.12	12W - cable 1,5 m	TCITY.6.C3	6W - cable 3 m	TCITY.24.C5	24W - cable 5 m
TCITY.18	18W - cable 1,5 m	TCITY.12.C3	12W - cable 3 m	TCITY.6.C10	6W - cable 10 m
TCITY.24	24W - cable 1,5 m	TCITY.18.C3	18W - cable 3 m	TCITY.12.C10	12W - cable 10 m
TCITY.6.M12	6W - M12	TCITY.24.C3	24W - cable 3 m	TCITY.18.C10	18W - cable 10 m
TCITY.12.M12	12W - M12	TCITY.6.C5	6W - cable 5 m	TCITY.24.C10	24W - cable 10 m
TCITY.18.M12	18W - M12	TCITY.12.C5	12W - cable 5 m		

### FASTENINGS



Mounting bracket for side fastening

Cod.T.FX01



### POWER SUPPLY UNIT

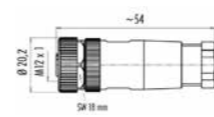


AC/DC power supply unit  
110/230V-24Vdc - 60W

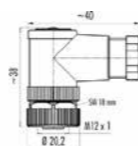
Cod.A0361005060922D

**M12-A 4 PIN CONNECTOR FEMALE IP67**


Code	Current	Conductors	Fastenings	Ø Cable
N11810001040302	4 A	Max 0,75mmq	Screws	6-8mm



Code	Current	Conductors	Fastenings	Ø Cable
N11910001040302	4 A	Max 0,75mmq	Screws	6-8mm


**M12-A 4 PIN CONNECTOR FEMALE IP67 WITH CABLE**


Code	Connector	Cable	Length
M12V.F.3C1,5	N11810001040302	3x0,75mmq - Ø est 7 mm	1,5 m
M12V.F.3C3	N11810001040302	3x0,75mmq - Ø est 7 mm	3 m
M12V.F.3C5	N11810001040302	3x0,75mmq - Ø est 7 mm	5 m
M12V.F.3C10	N11810001040302	3x0,75mmq - Ø est 7 mm	10 m



Code	Connector	Cable	Length
M12V.FL.3C1,5	N11910001040302	3x0,75mmq - Ø est 7 mm	1,5 m
M12V.FL.3C3	N11910001040302	3x0,75mmq - Ø est 7 mm	3 m
M12V.FL.3C5	N11910001040302	3x0,75mmq - Ø est 7 mm	5 m
M12V.FL.3C10	N11910001040302	3x0,75mmq - Ø est 7 mm	10 m



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