



PREAMBLE

This notice includes all the advice and warnings that enables a correct set up and a safe use of the product. TPL Vision can not be responsible for the bad use of the notice. If so, TPL Vision will cancel the guarantee's effects.



UNPACKING

Products are packed in our factory, using suitable materials for a safe transport through the usual means of transportation, in France and internationally. However, a damaged package must be reported to the carrier on delivery. Hand-written reservations must be indicated on the delivery order. Moreover, please send a letter or an email to TPL Vision as soon as possible (up to 24 hours after the delivery). If the transportation damage has not been stipulated on the delivery order and reported to TPL Vision in time, the package will not be taken back nor exchanged. To open the package, do not use any cutting blade to avoid damaging the product(s). Please use the delivered accessories, if needed (do not use any other products or equivalents to replace the delivered accessories).

RISK CLASS

The EN-62471 norm about lighting fluxes enables the classification of led lightings in 4 distinct groups, according to their hazardousness degree.

Model	Colour	Class	Risk
EBAR-LOGISTI-X1	Blue	2	moderate
EBAR-LOGISTI-X2	Red	0	none

In all cases, TPL Vision recommends the use of **the protection glasses** that are listed in its catalog.

For more information about photo-biological risks, do not hesitate to contact us.

TPL Vision can provide guidance notes about **the nominal distance to minimize eye risks**.



EBAR LOGISTIX USER GUIDE

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DIMENSIONS

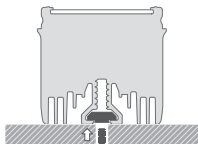


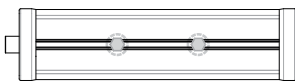
Length* (mm)	Height (mm)	Width (mm)
A	B	C

EBAR Logistix	408	45	47.6
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* Total length, without connector.
Internal light length: 375mm

FIXING

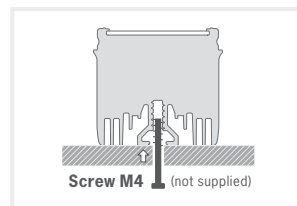




- Length (Lg) < 500 mm: **2** captive nuts M4
- 500 mm ≤ Lg < 1000 mm: **4** captive nuts M4
- 1000 mm ≤ Lg ≤ 1250 mm: **6** captive nuts M4

Captive nuts (supplied)

Please use all the captive nuts. **NEVER REMOVE THEM FROM THE BAR.**



During the set up, the light has to be switched off and unplugged. Please use M4 screws and insert them in the captive nuts located in the back of the light. The light will be better fixed if you spread the attachment points symmetrically along the bar.

You can also use M4 screws (not supplied) fastened directly into Aluminium profile with a tightening torque from 0.5 to 1.5 Nm. We also recommend the use of a thread-locker (not supplied) to avoid any risk of loosening.

LED INDICATORS



ON : **Power** LED indicator

Str. : **Strobe** LED indicator

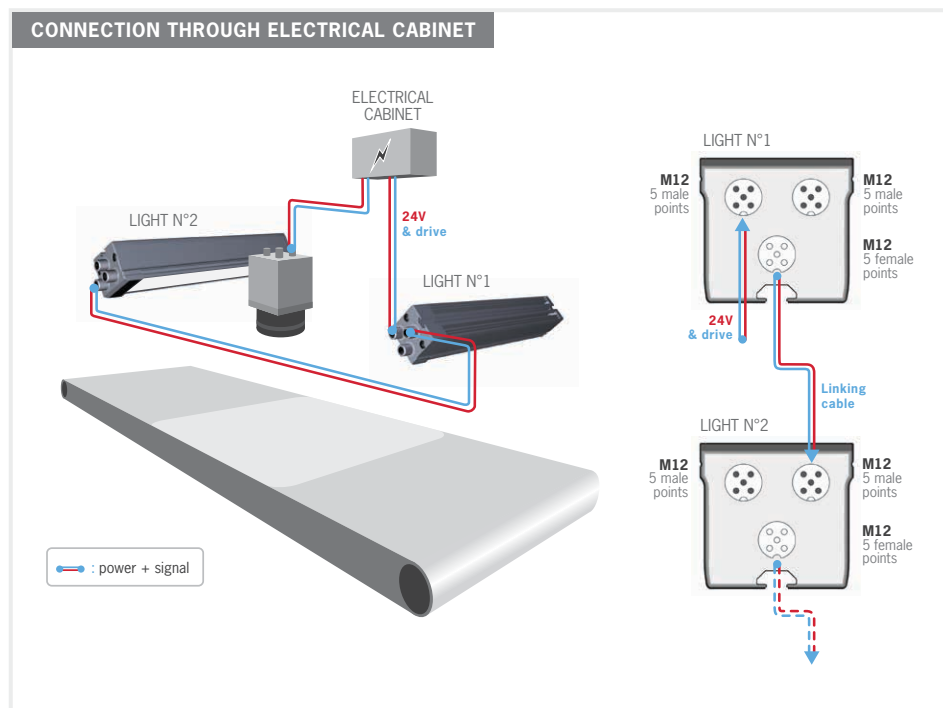


■ WIRING



■ LINKABLE SYSTEM

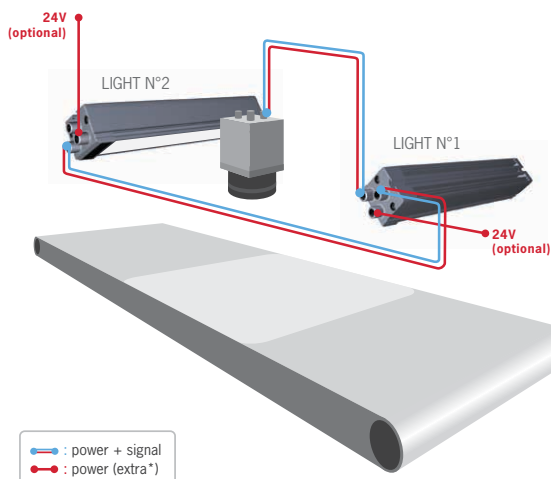
CONNECTION THROUGH ELECTRICAL CABINET



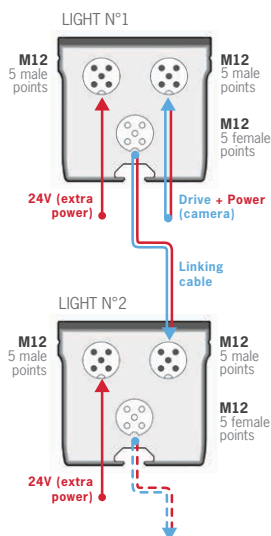


LINKABLE SYSTEM

CONNECTION WITHOUT ELECTRICAL CABINET



* If the output of the camera is not able to provide the power required by the EBAR Logistix, please add extra power by using the 2nd M12 male connector.



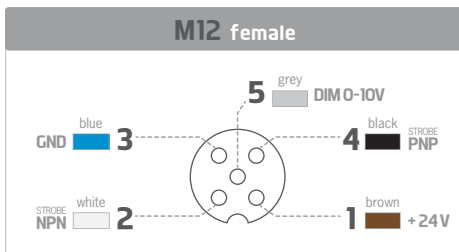
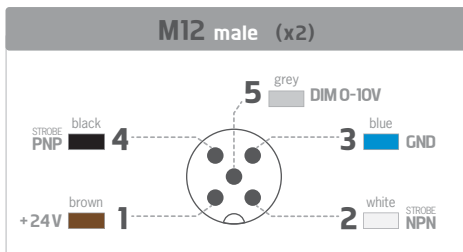
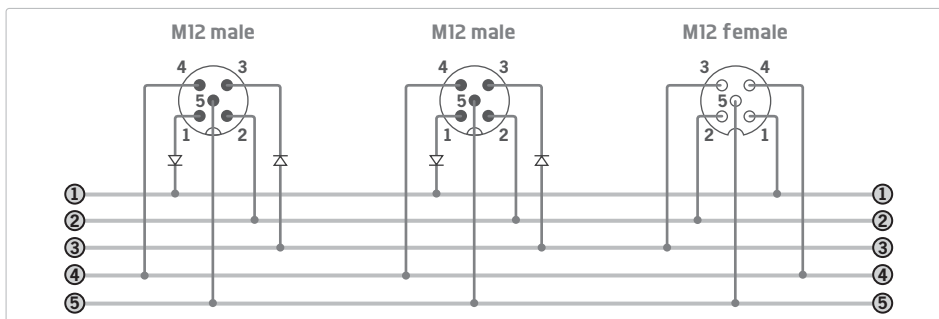
VOLTAGE DROP

	375
Max voltage drop in the bar (V)	0.21
Power supply cable : 5x0,34 ² max length for acceptable voltage drop (m)	60
Linking cable : 5x0,34 ² max length for acceptable voltage drop (m)	No restriction if each bar has its own power supply cable please contact us for other configuration

The **M12 male connector 5 points** is **COMPLIANT** with the M12 female connector 4 points.
In that case, the dimming option is not available.



INTERNAL CONNECTION



POWER SUPPLY

	EBAR LOGISTIX 1 / EBAR LOGISTIX 2
Power consumption (W)	12 W (average) ; 120 W (peak)
Normal functioning Voltage	24V at the light input (±10%)
Max. functioning Voltage	30V at the light input
Max. current consumption Strobe signal input	5mA



■ CONTROL

The product only works in Strobe mode. The product is optimised for a lifespan >50kh in a 40°C atmosphere. The strobing time is directly equivalent to the time during which the strobe entry is activated.

STROBE PNP & NPN

PNP : from 5 to 24V for 100% ON. From 0 to 1V for 100% OFF.

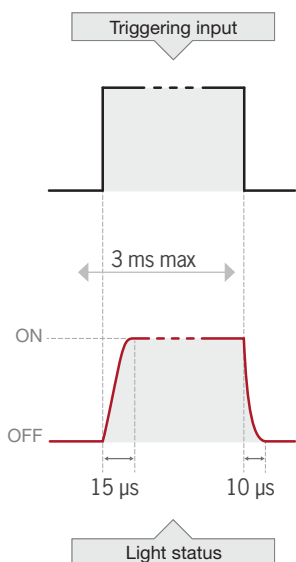
NPN : less than 1V for 100% ON. Above 2V for 100% OFF. Max 20V.

Strobe mode:

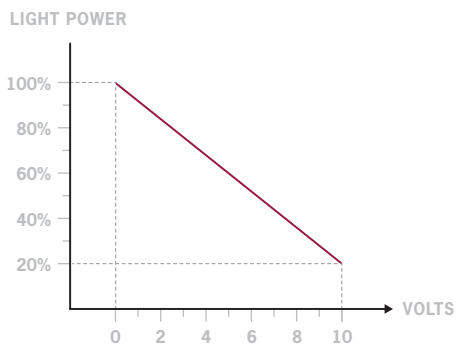
D max (%)	t max
10%	3 ms

D : Duty Cycle
t : pulse time duration

STROBE MODE



DIMMING 0-10V



Potential dimming between 0 & 10 V.

At 0 Volts, the product reaches 100% of its lighting power.



■ USER SECURITY

Please respect the power supply voltages and the connection terminals.

Do not modify or dismantle all or part of the product.

Do not connect or clean when power is on.

Do not watch the lighting source directly, and follow the advice below :



- If the workstation enables it, interpose a filter that will stop the lighting radiation under fixed or adjustable frame between the source and the operator.
- When these measures cannot be implemented, supply the operators with glasses (class 4) available for sale at TPL Vision, or with a dedicated protective mask, that will stop the lighting radiation.
- Forbid or limit the direct access to the lighting source (exposure into the radiation axis).
- Establish a security perimeter so as to prevent the operators from approaching the lighting source beyond the recommendations of the manufacturer, where eye irritation is concerned.
- Ensure that the chosen means properly reduce the exposure level (e.g. features of screens or glasses to be chosen, according to the wavelengths that the operators are exposed to).

■ OPERATING CONDITIONS

-10° to +40°C / 80% of humidity without condensation.

No thermal shock (max temperature variation: 10°C in 24h).

Not for outdoor use.

■ EQUIPMENT MAINTENANCE

CLEANING (when the product is switched off)

Please use a soft and dry cloth. Do not use any abrasive material.

Do not use any cleaning solvent or aggressive chemical product.

TPL Vision recommends to use isopropyl alcohol.



Brenchley House, School Road
Charing, Kent TN27 0JW
United Kingdom

+44 (0)1738 310 392

contact@tpl-vision.co.uk

TPL VISION
IS AN **ISO 9001**
CERTIFIED MANUFACTURER

www.tpl-vision.com