

# M-TBAR EXTERNAL CONTROL

## COMPACT SIZE, POWERFUL ILLUMINATION

Compatible with the TPL-CONTROL-1



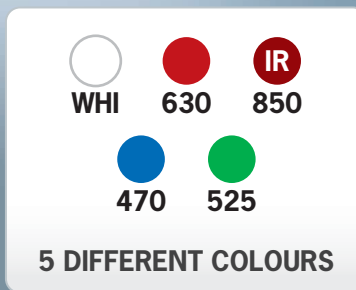
64mm



4 HIGH POWERED LEDS



EASY MOUNTING



5 DIFFERENT COLOURS

- HIGH POWER LIGHTING
- EASY-CHAIN TOGETHER MULTIPLE LIGHTS
- ROBUST MECHANICAL DESIGN
- INGRESS PROTECTION **IP67**
- ANGLE CHANGERS FLEXIBILITY
- OPTIMISED HEATSINK DESIGN FOR CONTINUOUS AND STROBING APPLICATIONS

### EXTERNAL CONTROL REQUIRED



TPL-CONTROL-1

- CURRENTS OF UP TO 20A per channel
- FLEXIBILITY & SCALABILITY through modular design
- UP TO 16 CHANNELS  
1 Master & 15 Slave units
- EASY CONFIGURATION via integrated website



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

## FEATURES OVERVIEW

**ROBUST, ANODIZED  
ALUMINIUM HOUSING**

**IP67 RATING**  
with **vent** to avoid  
condensation.

**±5° LENS ANGLE**

Add **Angle Changers**  
for diffusion and to change  
beam angle.

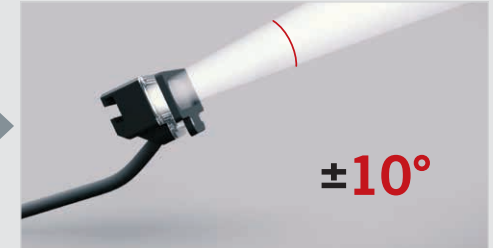


ANGLE  
CHANGER

**MAGNETIC ATTACHMENT**

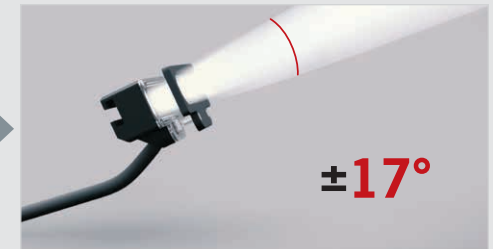
for testing **Angle Changers** & **SCREWS**  
for fixing them in final application.

ANGLE CHANGER  
**AC-TBAR-N**  
(Narrow angle)



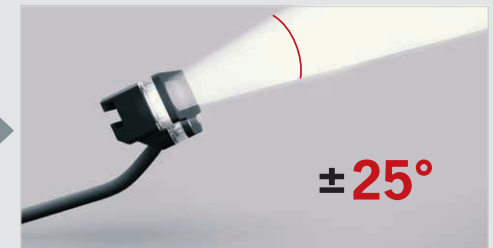
±10°

ANGLE CHANGER  
**AC-TBAR-M**  
(Medium angle)



±17°

ANGLE CHANGER  
**AC-TBAR-W**  
(Wide angle)



±25°

ANGLE CHANGER  
**AC-TBAR-L**  
(Line light)



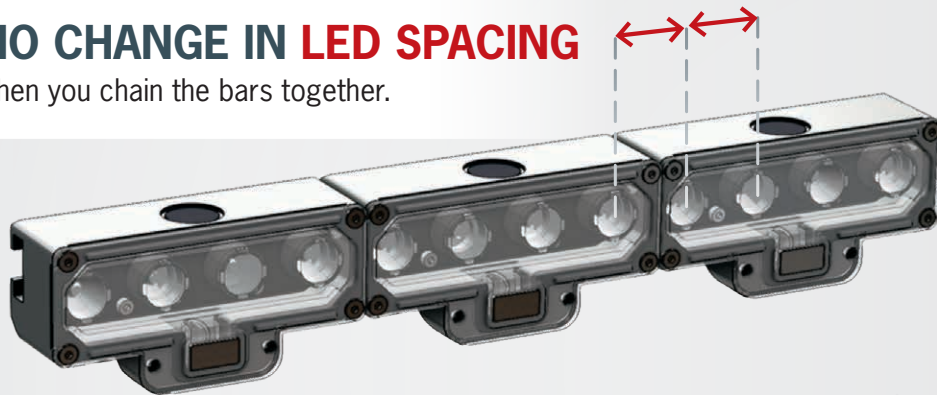
±9°

±16°

## FEATURES OVERVIEW

**NO CHANGE IN LED SPACING**

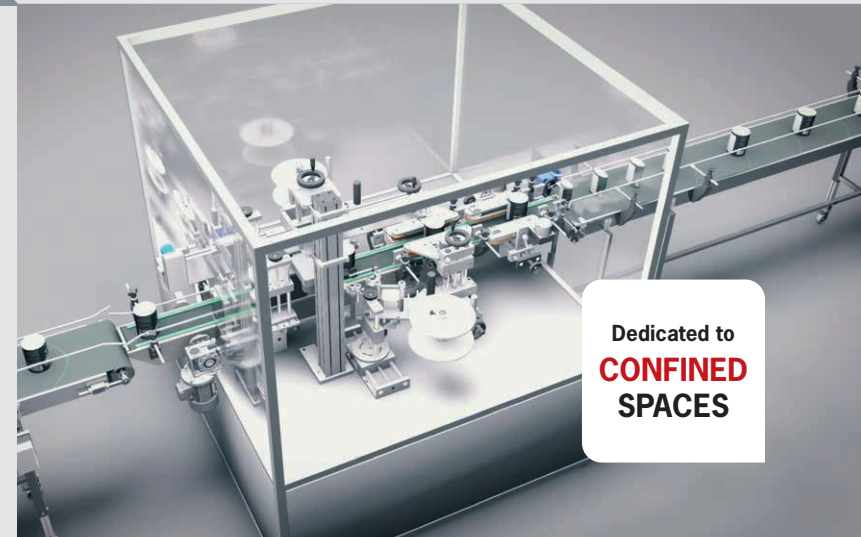
when you chain the bars together.



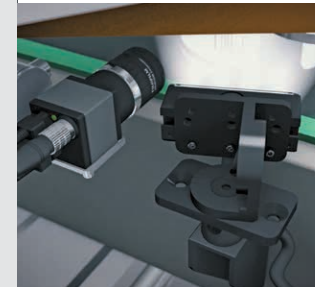
**CABLE MOUNTING FLEXIBILITY**



**EASY T-SLOT MOUNTING** (nuts provided).



Dedicated to  
**CONFINED SPACES**



Rugged **IP67-rated** Design

## TECHNICAL DATA & ORDER REFERENCES

Electronics	
Drive Requirement	TPL-CONTROL-1-M/S or other external constant current driver
Internal Current Regulation	None
Input Type	Passive LED load / unregulated LED array
Nominal Forward Voltage	See user manual for colour & current specific forward voltage
Drive Current Range	300 mA continuous mode, up to 2A strobe mode
Peak Power	Depends on peak current. Approx. peak power = Vf × Ipeak
Functioning Mode	Output controlled by external driver current and/or PWM/strobe signal
Rise and Fall Time	Determined by external controller, cable length and drive conditions
Wiring	LED+ / LED-
Protection	No internal over-current protection
Optics	
Colours	White, Red, Green, Blue & Infrared
Mechanical	
Dimensions	64 x 31.5 x 21.5mm
Weight	60g
Materials	Aluminium (anodised), ABS, PC, Stainless Steel, Neodymium
Mounting/Fixing	M4 T-NUT or M2 screws
Environment	
Operating Temperature	-10° to +40°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)
Storage Temperature	-20° to +60°C / 80% of humidity without condensation No thermal shock (max temperature variation: 10°C in 24h)
IP Protection	IP 67
Information	
Labels	RoHS / CE / UKCA / WEEE
Country of Origin	Made in France
Tariff Number	94054990

### M-TBAR External Control:

M-TBAR	VERSION	LED NUMBER	COLOUR
EC (External Control)		4	WHI (white)
			630 (red)
			525 (green)
			470 (blue)
			850 (infrared)

#### EXAMPLES:

- M-TBAR External Control 4 LEDs white → M-TBAR-EC-4-WHI
- M-TBAR External Control 4 LEDs red → M-TBAR-EC-4-630

### TPL-CONTROL-1:

TPL-CTRL	CHANNEL	VERSION
	1C (1 channel)	M (Master)
		S (Slave)

#### REFERENCES:

- TPL-CONTROL-1 MASTER → TPL-CTRL-1C-M
- TPL-CONTROL-1 SLAVE → TPL-CTRL-1C-S



### ANGLE CHANGERS:

AC-TBAR	ANGLE	OPTION: POLARISER
	N (narrow)	P1
	M (medium)	
	W (wide)	
	L (line light)	
	POLARISER ONLY	
	POL1	



#### EXAMPLES:

- Narrow → AC-TBAR-N
- Narrow with polariser → AC-TBAR-N-P1
- Polariser only → AC-TBAR-POL1