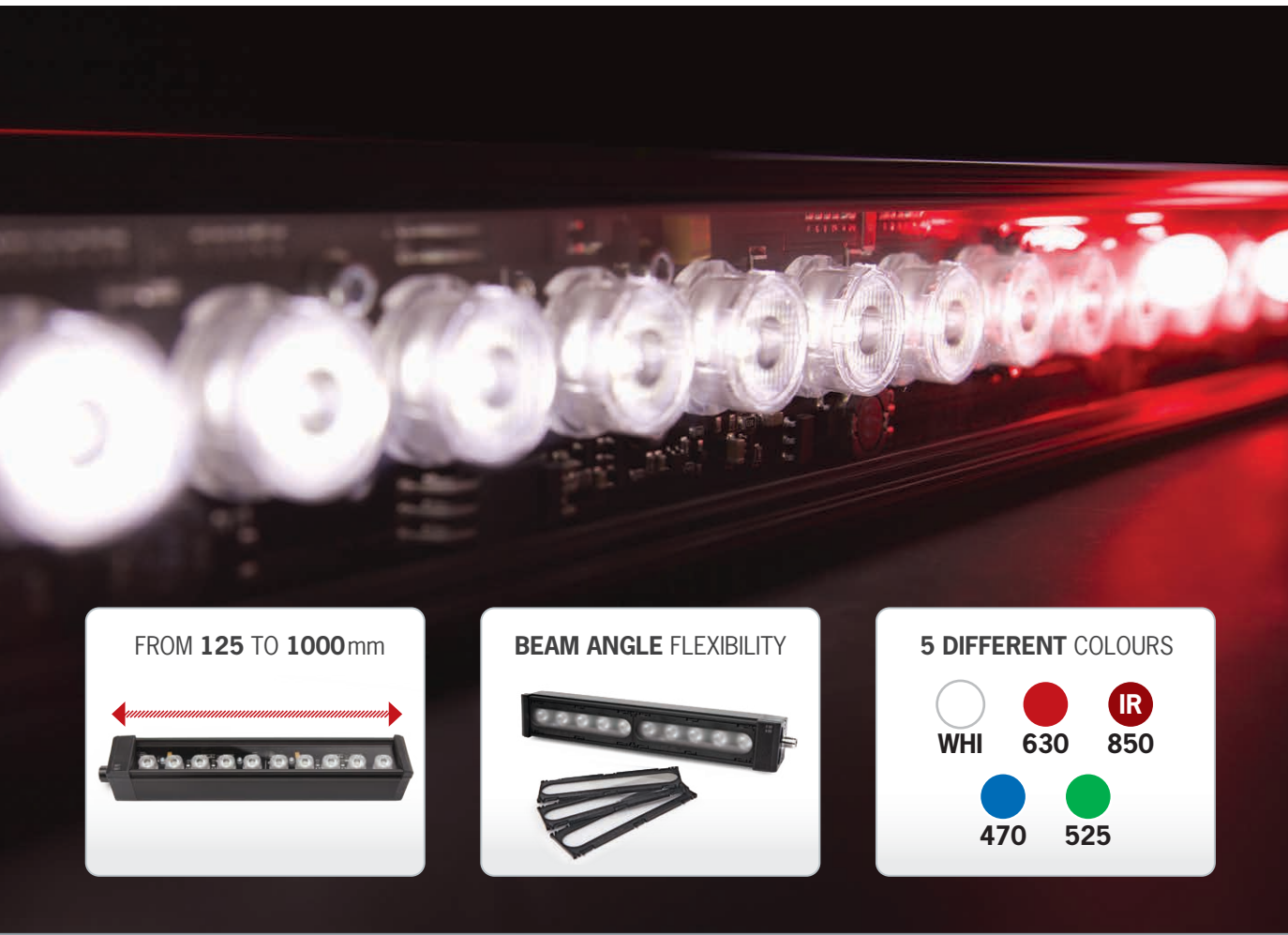


POWERFUL BAR LIGHT

Compatible with the TPL-CONTROL-1



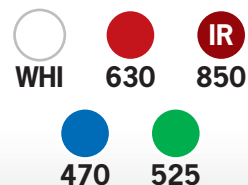
FROM 125 TO 1000mm



BEAM ANGLE FLEXIBILITY



5 DIFFERENT COLOURS



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

- HIGH POWER LIGHTING
- ROBUST MECHANICAL DESIGN
- INGRESS PROTECTION IP65
- ANGLE CHANGERS FLEXIBILITY
- OPTIMISED HEATSINK DESIGN FOR CONTINUOUS AND STROBING APPLICATIONS

EXTERNAL CONTROL REQUIRED



TPL-CONTROL-1

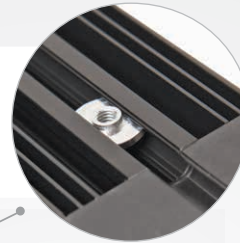
- CURRENTS OF UP TO 20A per channel
- FLEXIBILITY & SCALABILITY through modular design
- UP TO 16 CHANNELS
1 Master & 15 Slave units
- EASY CONFIGURATION via integrated website

FEATURES OVERVIEW

5 LENSES:

- ±7°
- ±10°
- ±17°
- ±25°
- ±9-16°

T-SLOT MOUNTING



DIMENSIONS From **125 to 1000mm**

M12 CONNECTOR

M12 4 pin T-Coded



DIFFUSER & POLARISER OPTIONS

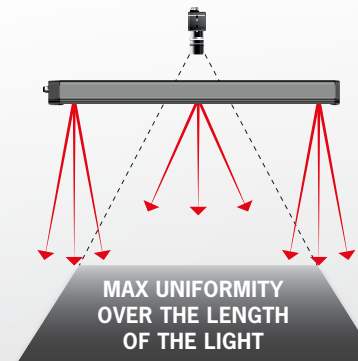
■ ANGLE CHANGERS 125 or 250mm



- Narrow **±10°**
(Standard & Polarised)
- Medium **±17°**
(Standard & Polarised)
- Wide **±25°**
(Standard & Polarised)
- Line **±9-16°**
(Standard & Polarised)
- **Polariser** alone

CHANGE THE BEAM ANGLE EASILY

■ WHAT IS THE CURVE EFFECT?



REQUEST FOR THE TECHNICAL NOTE

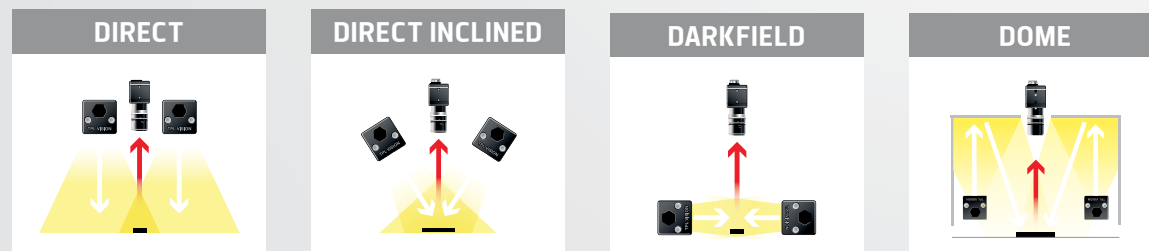


TECHNICAL DATA

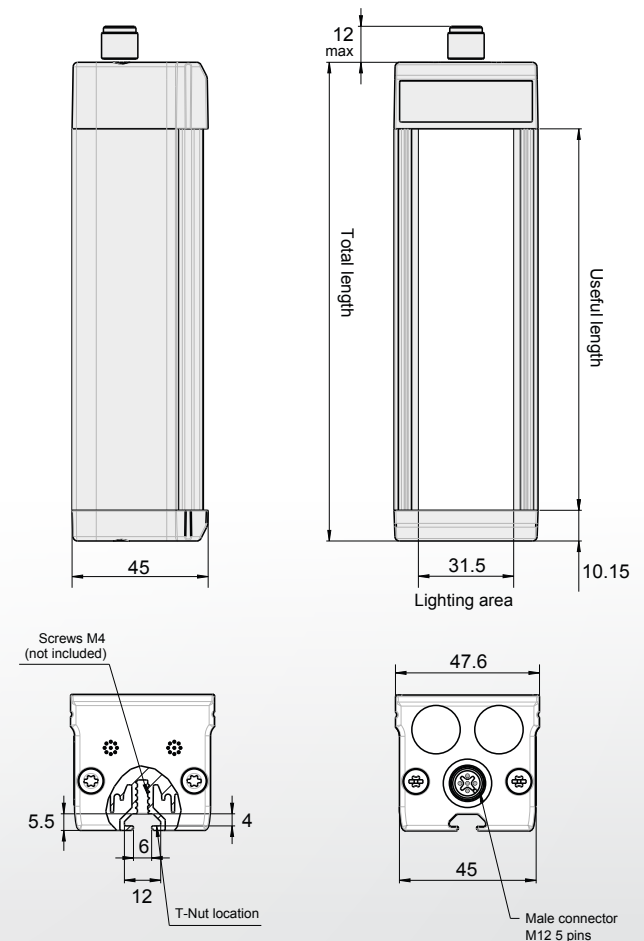
■ TECHNICAL DATA

Dimensions	BAR LIGHT DIMENSION							
	125	250	375	500	625	750	875	1000
Total length (mm)	158	283	408	533	658	783	909	1034
Number of LEDs	5	10	15	20	25	30	35	40
Width x Height (mm)	47.6 x 45							
Useful length (mm)	126	251	376	501	626	751	877	1002
Useful width (mm)	31.5							
Weight (g) ±10%	255	476	698	919	1140	1361	1583	1804
Fixing	M4 nuts to insert in the groove located on the back of the light or directly use M4 screws							
Included add-ons	2 nuts M4			4 nuts M4			6 nuts M4	

■ LIGHTING METHODS



■ DRAWINGS



TECHNICAL DATA & ORDER REFERENCES

General information	
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	350 mA continuous mode & up to 2.5A strobe mode per 125mm branch of 5 LEDs
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	2x LED+ / 2x LED- (T-coded M12 connector)
Protection	No internal over-current protection
Optics	
Colour	White, Red (630nm), Green (525nm), Blue (470nm), Infrared (850nm)
Lenses	±7°, ±10°, ±17°, ±25°, ±9-16°, NL
Materials	
Body materials	Aluminum
Finish	Anodization
Connector materials	Loaded ABS
Diffuser option	Abrasion-resistant Polycarbonate
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 65*
Information	
Labels	RoHS / CE / UKCA / WEEE
Country of Origin	Made in France
Tariff Number	94054990

EBAR+ External Control

PRODUCT	VERSION	DIMENSION (5 LEDs per 125 mm)	COLOUR	ANGLE
EBAR	EC (External Control)	125	WHI (white)	7 (±7°)
		250	630 (red)	10 (±10°)
		375	525 (green)	17 (±17°)
		500	470 (blue)	25 (±25°)
		625	850 (IR)	9-16 (±9/16°)
		750		NL (no lens)
		875		
		1000		

EXAMPLE:
EBAR+ External Control 125mm white LED ±10°
➔ EBAR-EC-125-WHI-10



**EBAR+ with embedded control are also available.
CHECK ON OUR WEBSITE !**

DIFFUSERS

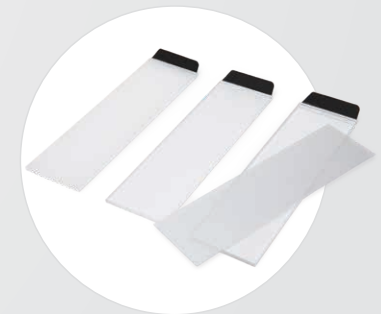
By default, the EBAR+ is delivered with a transparent diffuser.
To order more diffusers (or polarisers), please use this reference builder:

DIFFUSER	PRODUCT	DIMENSION
DT Transparent	BAR	125
DO Opaque		250
DS Satin		375
POL Polariser**		500
		625
		750
		875
		1000

** Except for IR850

EXAMPLES:

- Transparent diffuser for bar 250mm
➔ DT-BAR-250
- Satin diffuser for bar 1000mm
➔ DS-BAR-1000



COMPATIBLE ACCESSORIES

■ MOUNTING ACCESSORIES

Accessory for light



Ref: B MOUNT

Accessory for light



Ref: SWIVEL-MOUNT

Accessory for light



Ref: TPL-MOUNT-BAR-SQUARE1

Accessory for camera



Ref: TPL-MOUNT-BAR-H1

Accessory for camera



Ref: TPL-MOUNT-BAR-V1

■ CABLES

M12 female T-Power 4 pins cable



2 m	Ref: C-M12-4P-T-2M
5 m	Ref: C-M12-4P-T-5M
10 m	Ref: C-M12-4P-T-10M

■ PROTECTION

Safety glasses



Ref: EYE-PROTECT

■ ANGLE CHANGERS

(Only for EBAR ±7°, up to 1000mm).

AC-EBAR (125mm)

OR

AC2-EBAR (250mm)

ANGLE

N (narrow)

M (medium)

W (wide)

L (line light)

TRANSPARENT

T

POLARISER ONLY

POL1

OPTION: POLARISER

P1

EXAMPLES:

- Narrow Angle Changer 125mm
→ AC-EBAR-N
- Medium Angle Changer 250mm polarised
→ AC2-EBAR-M-P1
- Angle Changer 125mm Polariser Only
→ AC-EBAR-POL1



■ ANGLE CHANGER COMBOS (125mm)

AC - **CO** - **B**

16x AC-EBAR-N | 16x AC-EBAR-M | 16x AC-EBAR-W

16x AC-EBAR-L | 8x AC-EBAR-T | 8x AC-EBAR-BK* | 1x AC-EBAR-B**

AC - **CO** - **SM** (small) - **B**

8x AC-EBAR-N | 8x AC-EBAR-M | 8x AC-EBAR-W | 8x AC-EBAR-L

4x AC-EBAR-POL1 | 4x AC-EBAR-T | 4x AC-EBAR-BK* | 1x AC-EBAR-B**

AC - **CO** - **POL** (polarised) - **SM** (small) - **B**

8x AC-EBAR-N-P1 | 8x AC-EBAR-M-P1 | 8x AC-EBAR-W-P1 | 8x AC-EBAR-L-P1

8x AC-EBAR-POL1 | 4x AC-EBAR-BK* | 1x AC-EBAR-B**



* AC-EBAR-BK = Black Angle Changer. Only available as part of Angle Changer Combos. ** AC-EBAR-B = Briefcase.

Get more information:

www.tpl-vision.com