

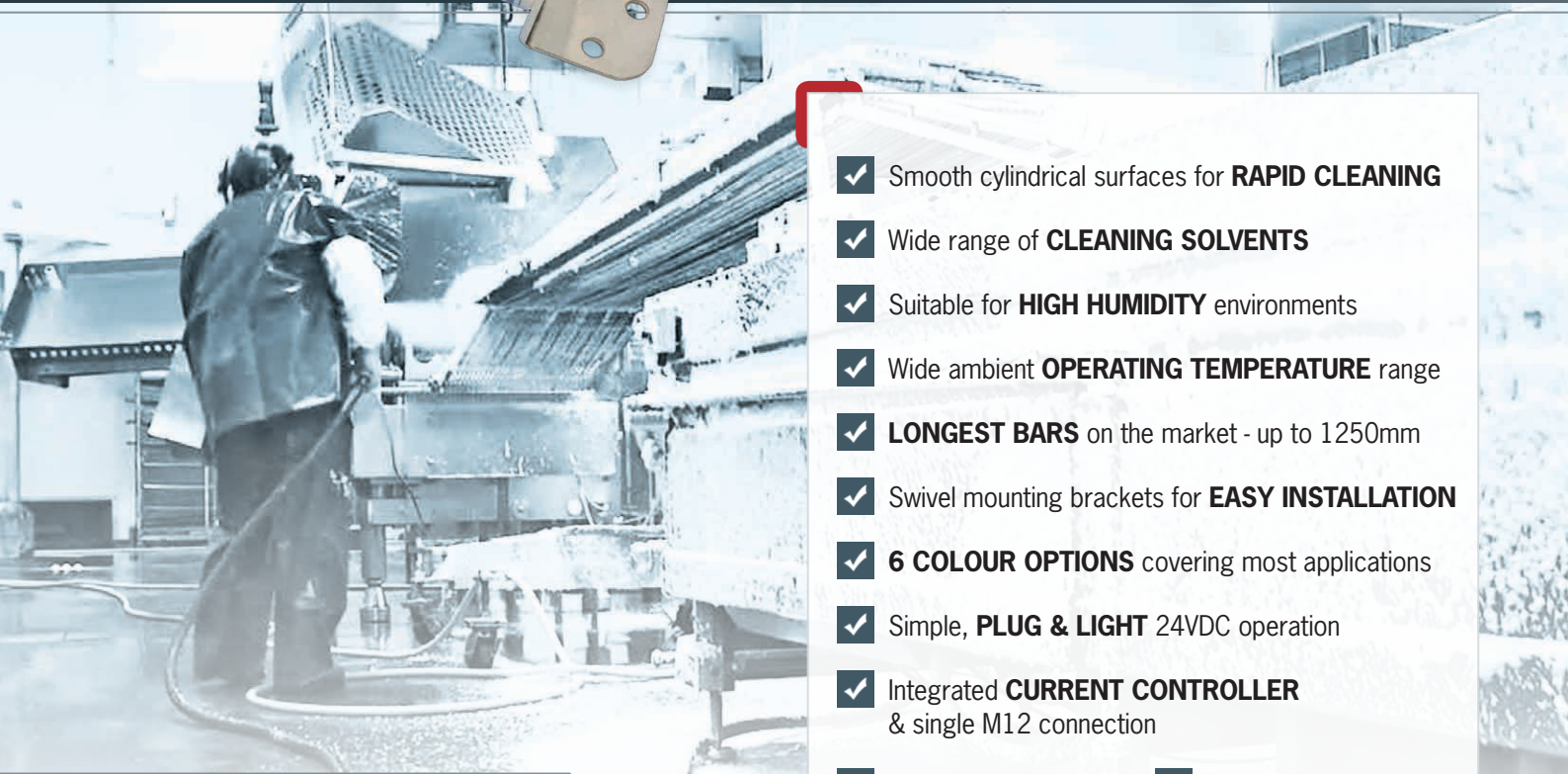
WATERPROOF IP69K WASHDOWN BARLIGHTS

FOR FOOD, BEVERAGE & PHARMACEUTICAL MACHINE VISION APPLICATIONS:

- ➡ Pick & Place robotics
- ➡ Manufacturing Process Control
- ➡ Product, packaging & label inspection
- ➡ Aseptic manufacturing
- ➡ Foreign object detection



IP69K washdown lights provide **HIGH BRIGHTNESS, UNIFORM ILLUMINATION** in a **reliable package** designed to **withstand** the rigours of harsh chemical cleaning & de-contamination.



- ✓ Smooth cylindrical surfaces for **RAPID CLEANING**
- ✓ Wide range of **CLEANING SOLVENTS**
- ✓ Suitable for **HIGH HUMIDITY** environments
- ✓ Wide ambient **OPERATING TEMPERATURE** range
- ✓ **LONGEST BARS** on the market - up to 1250mm
- ✓ Swivel mounting brackets for **EASY INSTALLATION**
- ✓ **6 COLOUR OPTIONS** covering most applications
- ✓ Simple, **PLUG & LIGHT** 24VDC operation
- ✓ Integrated **CURRENT CONTROLLER** & single M12 connection
- ✓ **3 YEAR WARRANTY*** ✓ **SHORT LEAD-TIME**

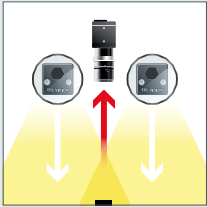


CLICK OR SCAN

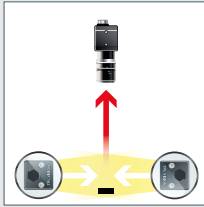
IP69K WASHDOWN LIGHTS are so much more than a light in a waterproof casing! Read our Tech Note to understand **WHY** you may need a **TPL Vision IP69K Washdown light**.



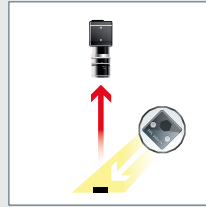
LIGHTING METHODS



DIRECT



DARKFIELD



LINE SCAN

SUITABLE FOR HARSH FOOD & CHEMICAL ENVIRONMENTS.

Backlight version available: see **Waterproof IP69K Washdown Backlight Bars**.

TECHNICAL DATA

Operating voltage	24 VDC
Supplied cable length	5 meters
Operating modes	Continuous and Strobe
Trigger (strobe) mode	PNP & NPN
Rise time / Fall time	15 µs / 10 µs
Dimming control	Yes, 100% - 35%
Ambient temperature	-20°C to +60°C (-4°F to +140°F)**
Ambient humidity	80% max
IP rating	IP69K (IEC 60529)
Housing	316L stainless steel / food grade PPMA
L-Brackets (included)	Design permits 360° rotation of light
Warranty	3 years (UV: 1 year) * See www.tpl-vision.com/warranty

COLOURS:

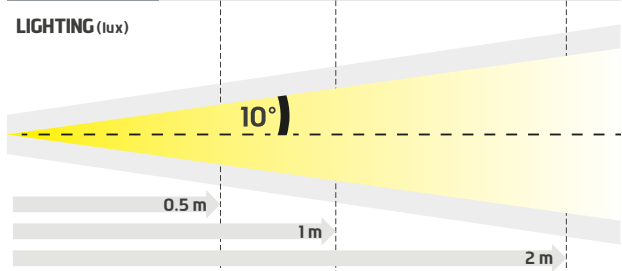
UV 405 WHI 470 525 630 IR 850

DIFFUSER OPTIONS:

OPAQUE SATIN POLARISED
to remove reflections

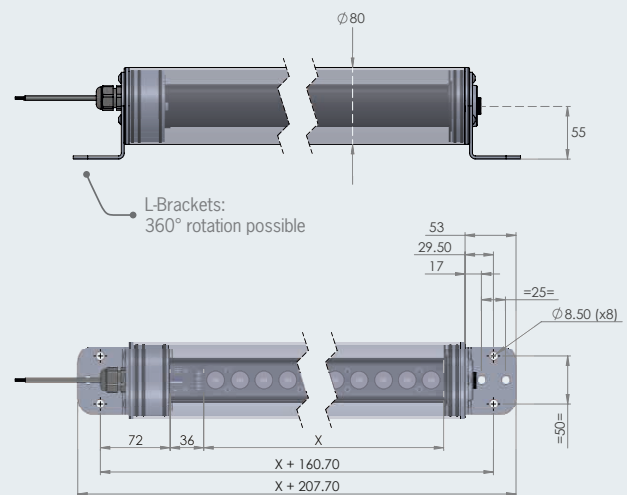
** See Technical User Guide

LIGHTING AREA

Length: 125mm	8 185	2 280	565
Length: 1 250mm	14 650	7 180	3 120
LIGHTING (lux)			
			
SURFACE (mm)			
Length: 125mm	180 x 160	360 x 300	480 x 480
Length: 1 250mm	1200 x 180	1000 x 300	920 x 540

Data shown for white light.

SIZE OPTIONS



X = illumination length (see reference builder).

All sizes in millimetres (mm).

Cleaning Agents: 100+ industry accepted products, see user guide for complete list.

“TPL Vision has the best solutions for IP69K lights on the market.

We searched the world and have tried many different lights, but nothing comes close to TPL's quality.

They have helped us surpass the industry standard and have taken our product to the next level.”

Jeff Youngs, President and CEO, ProSpection Solutions, LLC



Waterproof IP69K Washdown Barlight



REFERENCE BUILDER

EBAR	LENGTH (cm)	WAVELENGTH (nm or WHI)	LENS TYPE	ENCLOSURE RATING	DIFFUSER AND POLARISER OPTION
	125	WHI	7 (±7°)	IP69K	DO (opaque)
	250	405	10 (±10°)		DS (satin)
	375	470	9-16 (±9-16°)		POL (polariser)
	500	525	17 (±17°)		(leave blank for clear window)
	625	630	25 (±25°)		Note: cannot be fitted retro- spectively, must be specified at time of order.
	750	850	NL (no lens)		Polariser not suitable for use with 850nm (IR) option.
	875				
	1000				
	1125				
	1250				

EXAMPLES:

- EBAR+ IP69K 125mm white LED ±7° lenses transparent diffuser ➡ EBAR-125-WHI-7-IP69K
- EBAR+ IP69K 500mm green LED ±17° lenses opaque diffuser ➡ EBAR-500-525-17-IP69K-DO

ACCESSORY

SAFETY GLASSES



Reference: EYE-PROTECT

LOAN EQUIPMENT

Loan equipment is available for evaluation.

Please **contact** your TPL Vision Sales Executive for more information:

contact@tpl-vision.co.uk

Ref:TS-070301-B2, 10/2023 Edition.

“TPL Vision is a true partner. TPL provides outstanding service and support. We have found their responsiveness to be unmatched in the industry.”

Jeff Youngs, President and CEO, ProSpection Solutions, LLC



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