

WATERPROOF **IP69K** WASHDOWN **BACKLIGHT BARS**

FOR FOOD, BEVERAGE & PHARMACEUTICAL MACHINE VISION APPLICATIONS:

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

IP69K washdown backlight bars provide **HIGH BRIGHTNESS, HIGHLY DIFFUSE 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
- ✓ Ideal for **SHORTER WORKING DISTANCE** applications
- ✓ Swivel mounting brackets for **EASY INSTALLATION**
- ✓ **5 COLOUR OPTIONS** covering most applications
- ✓ **LONGEST BARS** on the market - up to 1250mm
- ✓ Simple, **PLUG & LIGHT** 24VDC operation
- ✓ Integrated **CURRENT CONTROLLER** & single M12 connection
- ✓ **3 YEAR WARRANTY*** ✓ **SHORT LEAD-TIME**

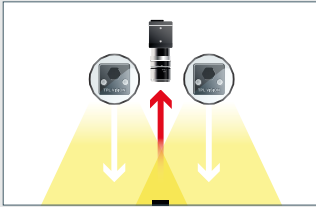


CLICK OR SCAN

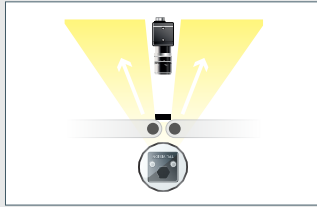
IP69K WASHDOWN LIGHTS are so much more than a light in a waterproof casing! Read our Tech Note to understand **WHY** you may need a **TPL Vision IP69K Washdown light**.



LIGHTING METHODS



DIRECT



BACKLIGHT

SUITABLE FOR **HARSH** FOOD & CHEMICAL ENVIRONMENTS.

Direct high power version available: see **Waterproof IP69K Washdown Barlights**.

LIGHTING POWER

68 500 Lux

Power measured on the diffusing surface
White LED

APPLICATIONS



DIRECT



BACKLIGHT

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:



WHI



470



525



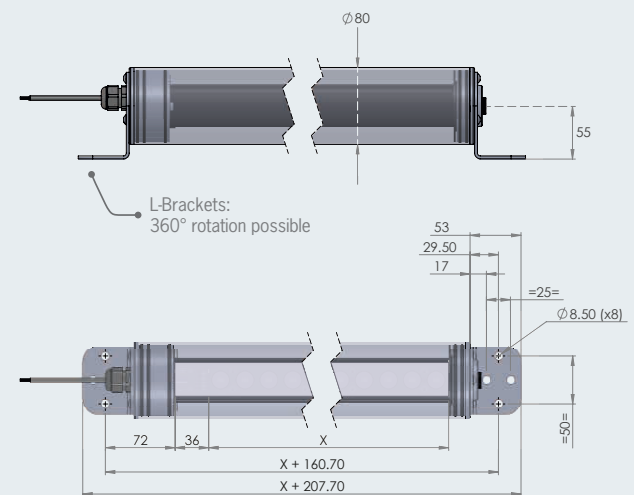
630



IR 850

** See Technical User Guide

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

| BLBAR | LENGTH (cm) | WAVELENGTH (nm or WHI) | ENCLOSURE RATING |
|-------|----------------|---------------------------|---------------------|
| | 125 | WHI | IP69K |
| | 250 | 470 | |
| | 375 | 525 | |
| | 500 | 630 | |
| | 625 | 850 | |
| | 750 | | |
| | 875 | | |
| | 1000 | | |
| | 1125 | | |
| | 1250 | | |

EXAMPLES:

- BLBAR+ IP69K 125mm white LED
➔ BLBAR-125-WHI-IP69K
- BLBAR+ IP69K 500mm green LED
➔ BLBAR-500-525-IP69K
- BLBAR+ IP69K 1 250mm infrared LED
➔ BLBAR-1250-850-IP69K

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-070401-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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