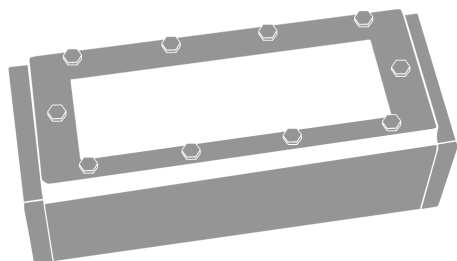


## FLOOD TYPE BAR LIGHT

### ELBC-IPK SERIES



The ELBC Series is a **high-power** flood type bar light with innovative design features to answer the needs of many machine vision applications.

This **IP69K** version features a **waterproof stainless steel housing** specially designed for food industry and washdown environments.

The ELBC-IPK combines robustness, compactness and waterproofness. The optical options of the standard ELBC are preserved: thus it remains a product adaptable to any application requirements.

Furthermore, the **integrated controller** with **Auto-strobe** feature allows for **300% increased intensity** while being strobed when compared to continuous mode.

## MAIN FEATURES

Very **intense** and **uniform** illuminated area

**IP69K stainless steel** housing

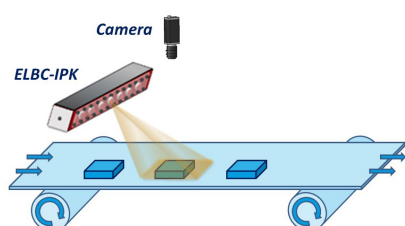
Long lifetime and minimal maintenance

**Flexibility:** 4 illumination angles & 3 different window options

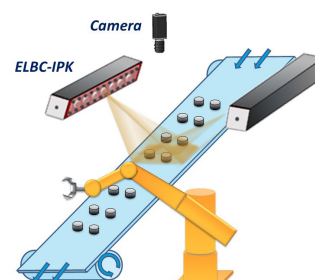
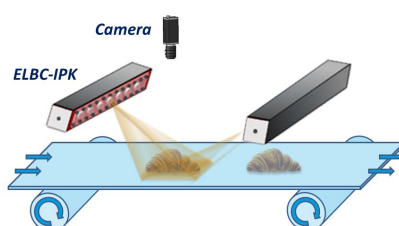


Connector	Flying leads cable - 5m or 10m long - 5 contacts
Power supply	24V DC
Illumination mode	Continuous or Overdrive strobe mode
Electronical mode	Auto-strobe
Available wavelengths	Blue (other wavelengths upon request)
Available sizes	400mm (other sizes upon request)
Width x Height x Length	54.6mm x 51.3mm x 445.5mm
Mounting	8x M5 holes
Material	Device body: 316L Stainless Steel; Window: PMMA
Working temperature	0° to 50° C
IP code	IP68 & IP69K

## APPLICATIONS



Quality control



Pick & place

## OPTICAL FLEXIBILITY

**IMPORTANT NOTE:** The ELBC-IPK Series is a **sealed product, it cannot be opened by the customer**. The optical configuration of the light **needs to be defined before the order** thanks to a standard ELBC unit.

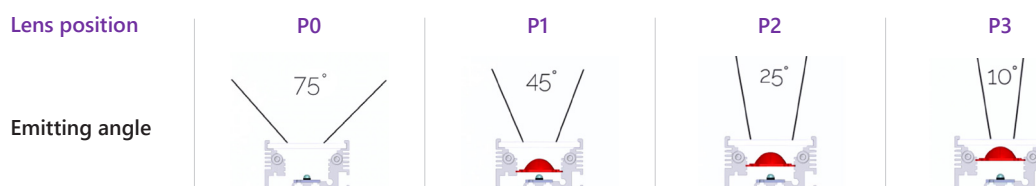
### Window

The ELBC-IPK Series offers three different diffuser options. Depending on the uniformity necessary for the application, the user can choose the diffuser to one that fulfills the application requirements.



### Lens Position

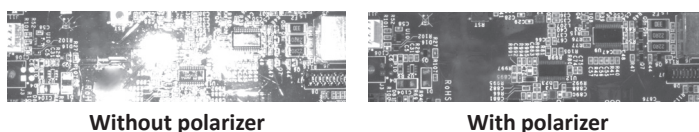
The ELBC-IPK Series offers four different lens configurations to choose the right emitting angle.



### Additional options

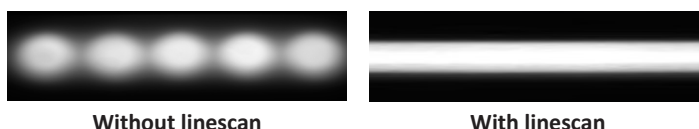
#### Polarizer option:

Thanks to the polarizer option, it is possible to eliminate glare from your workpiece making it easier to acquire a suitable image for the application.



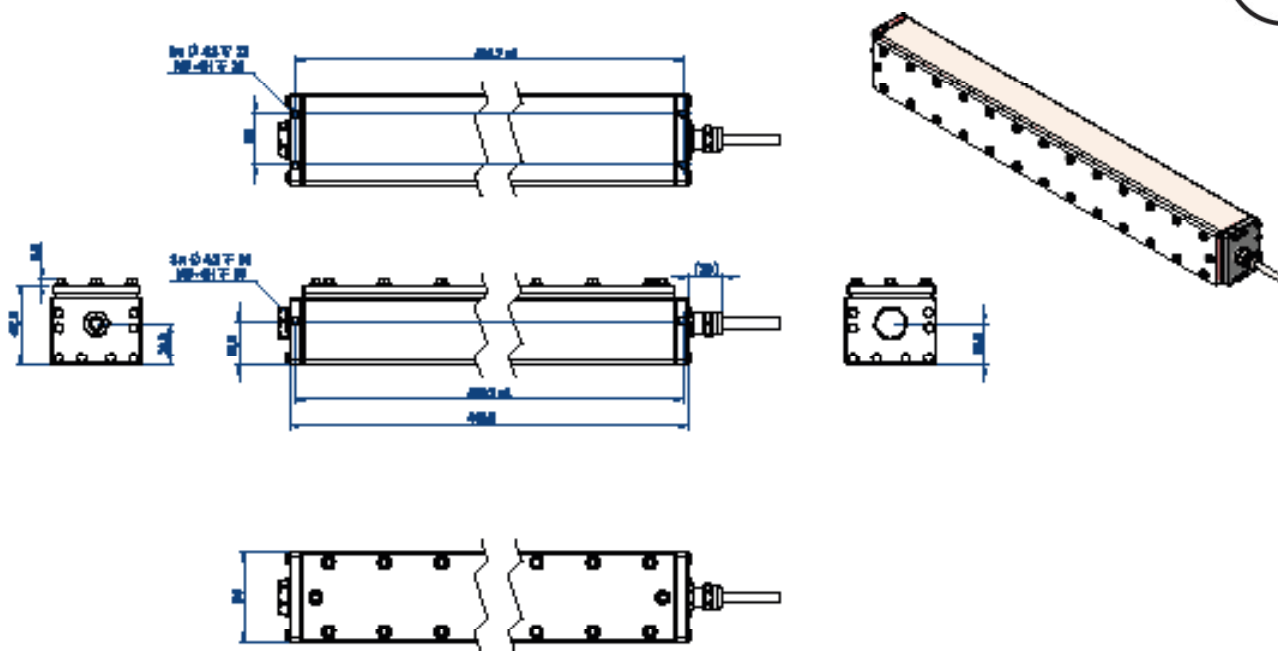
#### Linescan option:

With the lens in the upper position (P3), the linescan option transforms the ELBC-IPK Series light into a uniform line light ideal for either brightfield or darkfield illumination.



## DIMENSIONS (MM)

IP69K

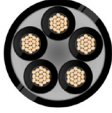


## ELECTRONICAL SPECIFICATIONS

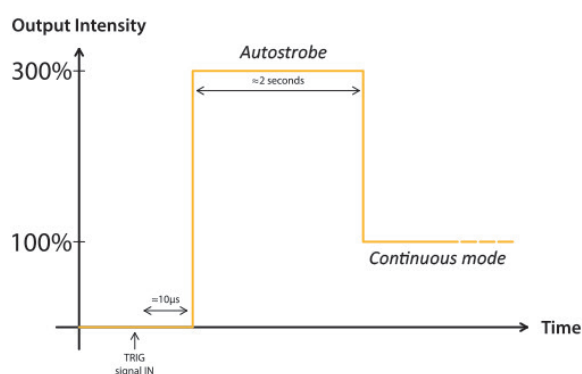
### Cable pinout

The ELBC-IPK Series requires 24V DC input power. Note the trigger pin **needs to be connected** either to the 24V DC signal for Continuous mode or to a PNP Trigger signal for Overdrive strobe mode.

**IMPORTANT NOTE:** The ELBC-IPK light comes with 5m or 10m flying leads cable. Make sure that all flying leads output of the cable are in a dry and sealed area.

Cable pinout	Number	Designation
 <p>Flying leads cable</p>	1	<b>+24V DC</b>
	2	N/A
	3	<b>GND</b>
	4	<b>PNP TRIGGER</b> [trigger for rising edge] for Auto-strobe Light ON if $V_{PNP} > 5V\ DC$ (max 24V DC)
	5	N/A

### Autostrobe feature



The integrated driver with Autostrobe feature allows for 300% increased intensity while being strobed when compared to continuous mode.

Respect a duty cycle lower than 30% in strobe mode.

Response time	
Rising time	15µs
Falling time	10µs

## PRODUCT LINE UP

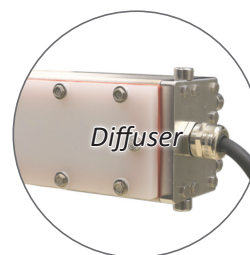
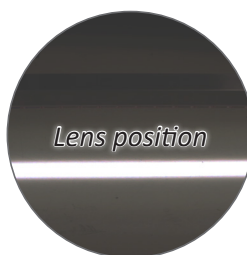
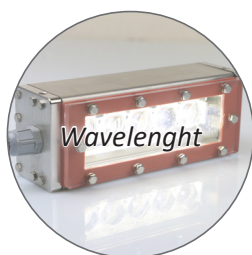
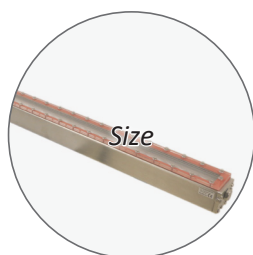


### ELBC-IPK Series

Series	Part Number	Color	Wavelength	Max Power Consumption		Diffuser	Lens position	Optical Length (L <sub>op</sub> )	Connector	Weight
				Strobe	Continuous					
ELBC-IPK	ELBC-IPK-400BL-SD-P1-L5	Blue	465nm	80W	30W	Semi-Diffuse (SD)	P1 (45°)	400mm	Flying leads 5m cable	1.9kg

## AVAILABLE ON REQUEST

### OTHER CONFIGURATIONS



## EU DIRECTIVE



In accordance with EU machinery directive, EMC directive, and low voltage directive, machines and electronic devices not marked with the CE logo are subject to distribution restrictions within the EU. All EL Series products will maintain the EU mandate compatibility of our customers' machinery and electronic devices.

## ROHS DIRECTIVE

All products from the EL Series comply with the RoHS Directive.

## CONTACT INFORMATION

### MANUFACTURER

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