" TPL " VISION Active LED solutions

MODULAR LINE SCAN LIGHTING

for machine vision applications



- 3 INTERCHANGEABLE VERSIONS
- HIGH BRIGHTNESS LINE SCAN ILLUMINATION
- PASSIVE COOLING
- POLARISER ACCESSORIES AVAILABLE
- **EASY T-SLOT MOUNTING**
- CURRENT CONTROL INTEGRATED

VARIOUS COLOURS INCLUDING:















865 385 405 470 525 630 85







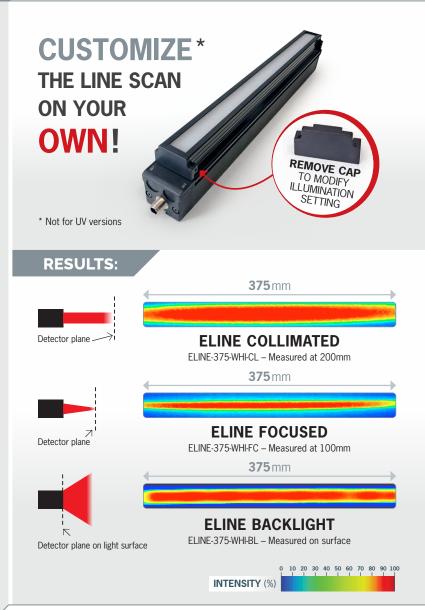




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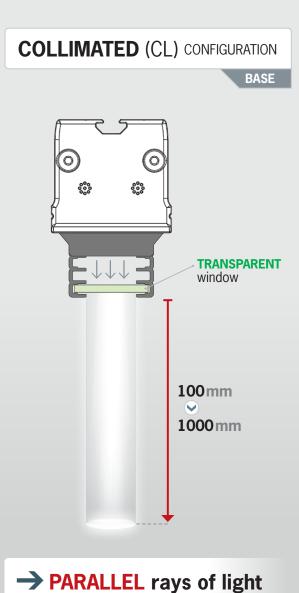
FEATURES OVERVIEW

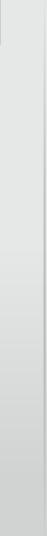


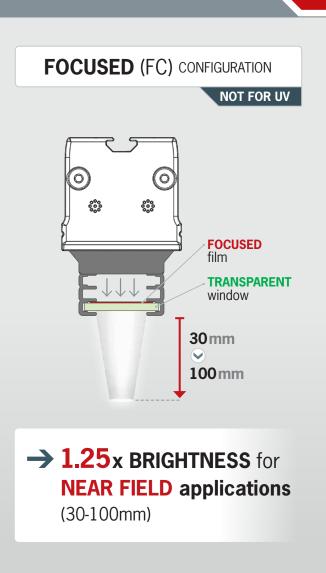


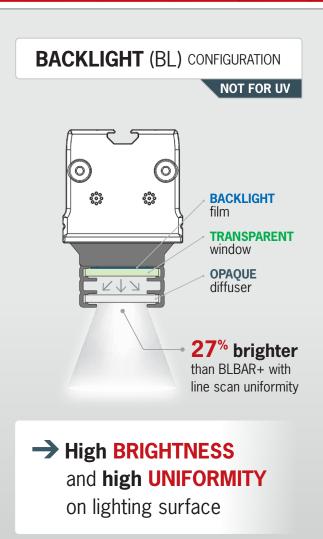
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FEATURE HIGHLIGHTS





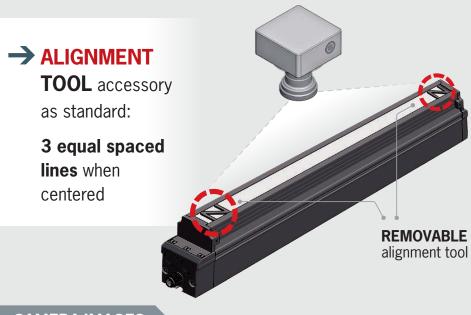




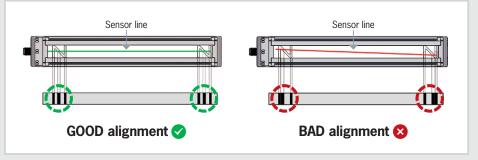


FEATURE HIGHLIGHTS

BACKLIGHT (BL) CONFIGURATION

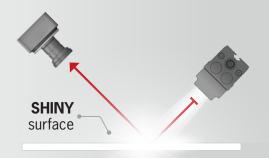


CAMERA IMAGES:



REFLECTION MANAGEMENT (LM) ACCESSORY

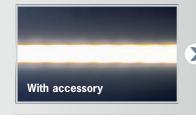
for **Collimated** & **Focused** configurations





when inspecting **shiny surfaces** at close working distances

PRODUCT IMAGES:





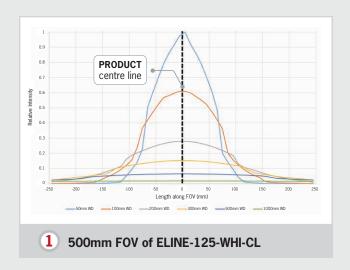
2D CAMERA IMAGES:

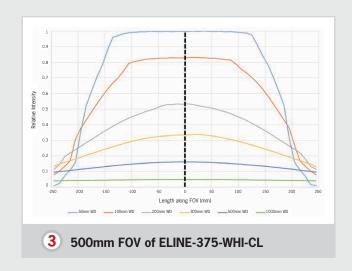


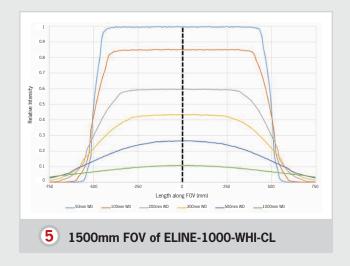


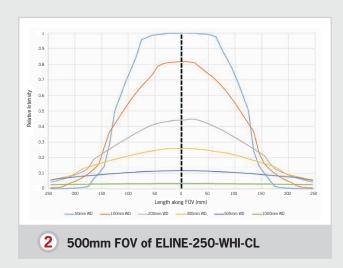


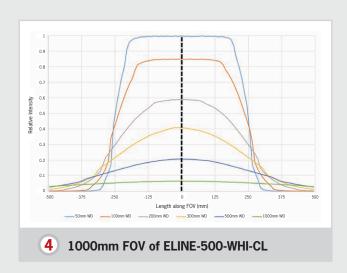
BRIGHTNESS DISTRIBUTION AT VARIOUS WORKING DISTANCES

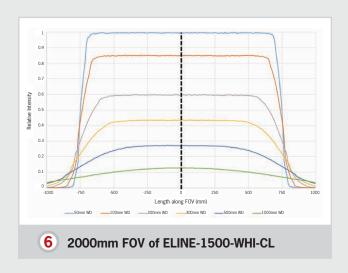






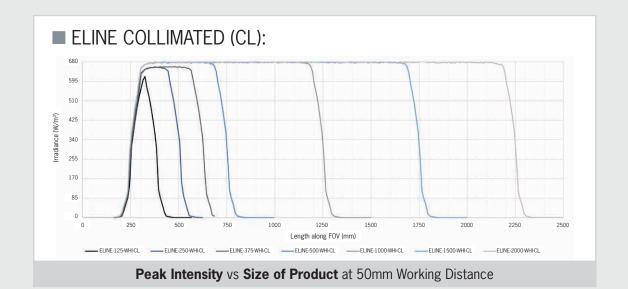


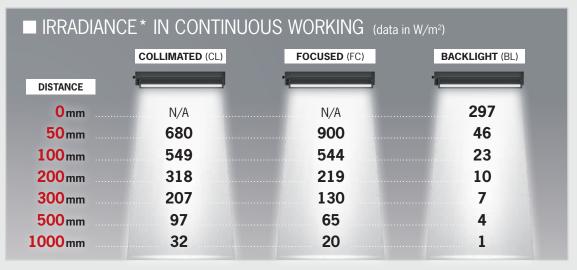


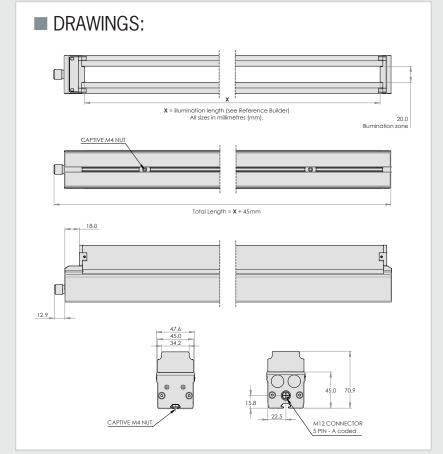


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TECHNICAL DATA







	Length	Width	Height
	(mm)	(mm)	(mm)
ELINE	from 125 to 2500	48	71

Connector				
≤ 1250mm: M12 5 pin A-Coded				
>1250mm: M12 4 pin T-Coded				

^{*} Measured with white ELINE-500-WHI-xx. Brightness reference point is in the center of the field of view.

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ORDER REFERENCES

	Electronics				
Power Supply	24 VDC ±1.0%				
Functioning Mode	Continuous working (CW)				
Rise and Fall Time	15μs / 10μs, respectively				
Wiring	 125mm up to 1250mm: M12 5P A-coded connector 1375mm up to 2500mm: M12 4P T-coded connector 				
Consumption	370mA / 125mm				
	Optics				
Colours	White WHI, Red 630nm, IR 850nm, Green 525nm, Blue 470nm, UV 405nm, UV 385nm, UV 365nm				
	Mechanical				
Dimensions	Length: from 125mm to 2500mm / Width: 48mm / Height: 71mm				
Weight	421g/125mm ±20%				
Housing materials	Aluminium/PMMA/PC/Nickel-plated Brass				
	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 50				
	Information				
Labels	RoHS / CE / UKCA / WEEE				
Country of Origin	Made in France				
Tariff Number	94054990				



Get more information:

www.tpl-vision.com

■ ESSENTIAL ELINE

ELINE -	LENGTH (mm)		_	COLOUR		VERSION		RSION		
		(11111)						VERSION		
	125	1375		WHI	(white)		CL	(Collimated)		
	250	1500	630 525 470	630	(red)		FC	(Focused)		
	375	1625		525	(green)		BL	(Backlight)		
	500	1750		(blue)		CO	(Combo)			
	625	1875		850	(IR)					
	750	2000		365	(UV)					
	875	2125		385	(UV)		Collimated (CL) ONLY			
	1000	2250		405	(UV)					
	1125	2375				_				
	1250	2500		EXAMPLE: ELINE 1500mm White LEDs Backlight ⇒ ELINE-1500-WHI-BL						
ı			_							
	Connector: M12 5 PIN A-CODED	Connector: M12 4 PIN T-CODED		COMBO: Collimated base unit + FC conversion kit + BL conversion kit + Reflection Management LM film						

■ ACCESSORIES (not compatible with the UV versions)

Focusing kit: **FC-ELINE-xxx** (125 → 2500mm)

Backlight kit: **BL-ELINE-xxx** (125 → 2500mm)

Reflection Management accessory: LM-ELINE-xxx (125 → 2500mm)

Polariser accessory: **POL-ELINE-xxx** (125 → 1000mm)

SWIVEL MOUNT

Ref: SWIVEL-MOUNT



M12 5 PIN CABLES (for ELINE ≤1250mm)

2 meters: **C-M12-5P-2M**

5 meters: C-M12-5P-5M

10 meters: C-M12-5P-10M

M12 4 PIN CABLES (for ELINE ≥1375mm)

2 meters: C-M12-4P-T-2M

5 meters: C-M12-4P-T-5M

10 meters: C-M12-4P-T-10M