



**DESIGNED
FOR PIECES
ON CONVEYORS**

**THANKS TO ITS CURVED
SHAPE**

**EASES MARKING
READING**

**ON CIRCULAR AND SHINY
OBJECTS**

**ENVELOPING
LIGHTING**

**AVOIDING SHADOWS AND
REFLECTIONS ON
CYLINDRICAL PIECES**

TUNNEL

PACKAGING

Tunnel lighting

Aluminium body

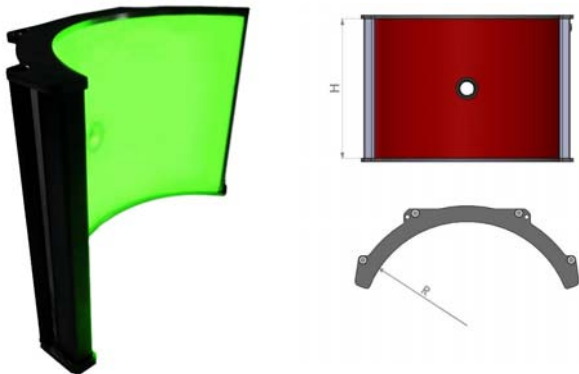
2 standard sizes

Designed for short distance lighting

**TPL**
VISION
Active LEDs solutions

www.tpl-vision.net

TUNNEL



r = radius
h = height

Description:

Diffuse and directive lighting. Ideal for cylindrical pieces control (bottles, cans, cars injectors...). It is also suitable to ease code reading on very shiny objects.

How to use it:

Tunnel has to be settled between the camera and objects which are often on a conveyor. Tunnel shape allows the conveyor to pass under it. This produces a uniform light on the cylindrical surface located at the center of the tunnel.

Products highlights :

Designed to operate at short distances. In order to get TUNNEL's maximum performances, it must wrap controlled products up.

Common applications:

Reading bar codes, laser etched Datamatrix codes or micro collidated on cylindrical and shiny surfaces (metals, printed packaging, plastic ...).
Labels positioning.
Quality controls on cylindrical surfaces.

	r110 H50mm	r110 H150mm	r230 H50mm	r230 H150mm
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Electric specifications				
Power supply	24 V +/- 10%			
Power consumption	9W	27W	12.6W	37.8W
Working mode	Continuous			
Maximum rise time	300 μs			
Maximum fall time	250 μs			
Wiring	1 meter cable			
Mechanical specifications				
Number of LEDs	125	375	175	525
Dimensions	231 x 86 x 60 mm	231 x 86 x 160 mm	473 x 173 x 60 mm	473 x 173 x 160 mm
Weight	300 g	580 g	600g	1000g
Material	Aluminium			
Diffuser	White diffuser			
Colours available (nm)	WHI 630 470 525			
Mounting holes	4 M4 screws			
Included accessories	/			
Environment				
Operating temperature	0-40°C			
Storage temperature	0-60°C			
IP Class	IP40			
Labels	RoHS - CE			

Order references :

Tunnel r110 50mm - xxx nm	TUN-11005-xxx
Tunnel r110 150mm - xxx nm	TUN-11015-xxx
Tunnel r230 50mm - xxx nm	TUN-23005-xxx
Tunnel r230 150mm - xxx nm	TUN-23015-xxx

Other documents available online :
 - Product Plans pdf, dwg, dxf, igs, step and x_t
 - Plug-in and settle up documents.