▷ RING LED LIGHTING   ▷ COMPACT AND AUTONOMOUS LIGHT   ▷ HIGH POWERFUL LED   ▷ MACHINE VISION SYSTEMS   ▷ CONFINED ENVIRONMENT
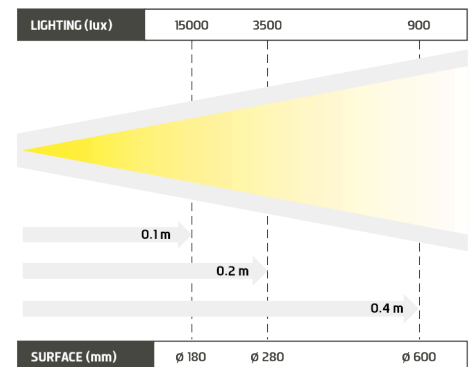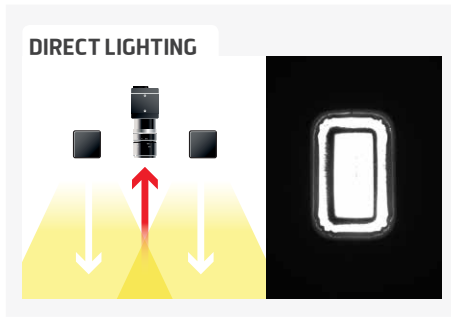
COMPACT & POWERFUL RING,
FOR CONFINED ENVIRONMENTS

M12 CONNECTOR

SOLID BODY

BLACK ANODIZED
ALUMINUM

✔ 9 high powerful leds,
✔ current regulation on cable,
✔ continuous and strobe modes.

PLUG & LIGHT
&
THE SELECTION
PRODUCT

Equipped with 9 high powerful leds, the TRING is a miniature ring specially designed for the diffuse lighting of circular areas. It has a current control power supply that regulates the current intensity and consequently guarantees the lighting stability. Thanks to its M12 connector, it can be easily connected to any kind of production lines. Either in continuous or in strobe mode, the TRING perfectly goes along with a camera dedicated to quality control tasks: code reading, presence/absence checking, surface control…

Distance	0.1m		0.2m		0.4m	
TRING	15000 lux	ø 180 mm	3500 lux	ø 280 mm	900 lux	ø 600mm
	Minimum guaranteed values (white lighting measures)					

LIGHTING (lux)   15000   3500   900

0.1 m
0.2 m
0.4 m

SURFACE (mm)   ø 180   ø 280   ø 600

TECHNICAL SPECIFICATIONS

Electronics	
Power supply	24 VDC ±10%
Functioning mode	Continuous or strobe according to wiring
Maximum rising time	1.5 ms
Maximum falling time	1 ms
Wiring	M12 4 poles male connector
Max. consumption	6 W

Optics	
Colour	White, Red, Green, Blue, Infrared
Number of Leds	9
Lens by default	No lenses

Mechanics	
Dimensions	Ø Int : 38 mm - Ø Ext : 66 mm
Width	15 mm
Weight	70 g
Materials	Black anodized aluminum
Diffuser	Satin diffuser
Fixing	2 M3 screws

Environment	
Operating temperature	0 - 40°C
Storage temperature	0 - 60°C
IP protection	IP 40
Labels	RoHS-CE-WEEE

HOW TO BUILD YOUR REFERENCE

REQUIRED SETTINGS

OPTION

TRING – **COLOUR** – **DIFFUSER OPTION**

WHI	
630	
525	
470	
850	

DS	SATIN
DO	OPAQUE
DT	TRANSPARENT [1]
POL	POLARIZER [2]

1 : NO DIFFUSION
2 : EXCEPT FOR INFRAROUGE 850

EXAMPLES :
TRING RED LED SATIN DIFFUSER :   ➡ TRING-630-DS
TRING WHITE LED OPAQUE DIFFUSER :   ➡ TRING-WHI-DO

RESULTS :

ACCESSOIRES

M12 female – 4 pins cable

2 meters	Ref: C-M12-4P-2M
5 meters	Ref: C-M12-4P-5M
10 meters	Ref: C-M12-4P-10M

Diffusers & Polarizer

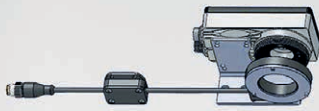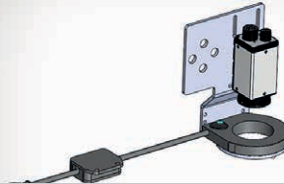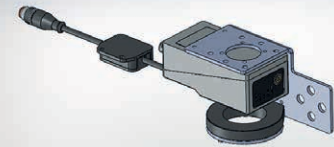|	
Opaque diffuser	Ref: DO-TRING-TINYZ
Satin diffuser	Ref: DS-TRING-TINYZ
Transparent diffuser	Ref: DT-TRING-TINYZ
Polarizer for satin diffuser	Ref: POL-DS-TRING
Polarizer for transparent diffuser	Ref: POL-DT-TRING

Safety glasses

Ref: EYE-PROTECT

MOUNTING DEVICES
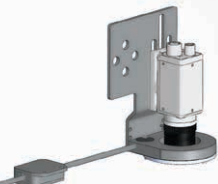
SRMOUNT V1
Ref: SRMOUNT V1

SRMOUNT V2
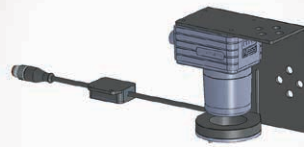Ref: SRMOUNT V2

SRMOUNT V3
Ref: SRMOUNT V3

SRMOUNT V4
Ref: SRMOUNT V4

SRMOUNT V5
Ref: SRMOUNT V5

TPL-MOUNT-TRING-H1
Ref: TPL-MOUNT-TRING-H1

TPL-MOUNT-TRING-V1
Ref: TPL-MOUNT-TRING-V1

FOR CAMERA COMPATIBILITY, PLEASE VISIT OUR WEBSITE AT:

https://www.tpl-vision.fr/en/accessories/add-ons/small_ring_mounting_devices/

Other available documents :
- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

TRING
RoHS COMPLIANT CE