



**IDEAL TO
CONTRAST
COLORED PIECES
THANKS TO ITS
SEVEN COLOURS**

**EASE MARKINGS
READING**

**AT SHORT DISTANCES
FROM 15 TO 50CM**

**ADJUSTABLE
LIGHTING**

**IDEAL FOR MULTI-PRODUCTS
APPLICATIONS**

TINY'Z AD RGB

CONFINED ENVIRONMENT

Miniature Ring Light - RGB

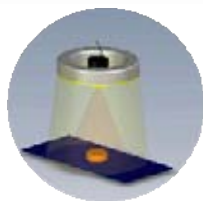
Miniature ring light, directive,
diffuse light

Strong black anodized aluminium body
and anti-scratch treated protector

Designed to be mounted
in front of the lens



www.tpl-vision.net



RGB MINIATURE RING LIGHT

Description :

Diffuse & homogeneous light useful to contrast coloured pieces and/or allow a camera to read more easily codes or marks **when it exists a very small difference between the mark and the background**. This is a short distance lighting : use between 15cm and 50cm.

How to use it :

The Tiny'Z AD has to be set around the camera with a (non provided) stand. The matching power supply for this product is the TPLDRIVE-RGB for a easy switch between **7 different colours light: white, red, blue, green, cyan, magenta, yellow**.

2 modes are available: manual or automatic, from a 3 inputs drive.

Products highlights :

Very small space needed for this low distance working ring light. Very useful product if the application is not very focused yet.

Also available with monochrome or white Power LEDs (ask for more info).

Common applications :

Packaging applications: bar code, consumption deadline detection...

Coloured products detection

Optional accessories :

M5 4 poles female cable — 5 m	C-M5-4P-5M
RGB Power supply	TPDRIVE-RGB
White diffuser	DO-TINYZ
Transparent diffuser	DT-TINYZ

Order reference :

Miniature RGB ring light, external power supply (TPDRIVE-RGB) not included	TINYZ-AD-RGB-SE
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Order references in relation with the product :

Miniature Power LEDs ring light, external power supply not included	TINYZ-AD-xxx-SE
Miniature ring light set with integrated power supply	TINYZ-RGB

	TINYZ-AD-RGB-SE	Comments
Electric specifications		
Power supply	24 VDC	TPDRIVE-RGB
Power consumption	3,25 W	
Working mode	continuous	
Maximum power in the LED	15mA/color	
Maximum rise time	300 µs	
Maximum fall time	250 µs	
Wiring	M5 4 Poles Male Connector	
Mechanical specifications		
Number of LEDs	15	
Dimensions	83 x 74 x 69 mm	
Ring light diameter	Inside : 38 mm / Outside : 66 mm	
Weight	80 g (ring light only)	
Material (body)	Black anodized aluminium	
Material (protector)	Matte diffuser	
Uniformity: covered surface area/ homogeneity	Ø200 mm à 150 mm	
Optic angle full	90°	
Colours available	R(625nm) G(528nm) B(470nm)	
Mounting options	2 CHC M3 screw holes	
Included accessories	M5 4 poles connector	
Environment		
Operating temperature	0-40°C	
Storage temperature	0-60°C	
IP class	IP40	
Labels	RoHS - CE - DEEE	

Other documents available online :

- Product plans (pdf, dwg, dxf, igs, step and x_t)
- Plug in and settle up documents