

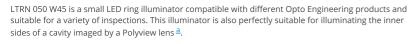
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## LTRN 050 W45

Ring LED illuminator, white

Optical	specifications

Light color, peak wavelength		white, 6300 K
Optimal working distance	(mm)	20-80
Illuminance at minimum working distance	(lux)	14000
Illuminance at maximum working distance	(lux)	3000
Lighting area diameter		
Outer	(mm)	19
Inner	(mm)	53.5
Electrical specifications		
Number of LED rows		2
Continuous mode 1		
Supply voltage	(V)	24
Current	(mA)	105
Power consumption	W	2.52
Pulsed mode 2		
Supply voltage 3	(V)	24-48
Pulse current	(mA)	700
Max. trigger pulse duration	(ms)	10
Duty cycle	(%)	0-10
Mechanical specifications		
Outer diameter	(mm)	53.5
Inner diameter	(mm)	15.2
Height	(mm)	18
	(-)	45
Mass	(g)	75



## NOTES

- 1. Lifespan: 20.000 hours (drop to 50% intensity) at 25 °C.
- 2. Pulse width <= 10 ms, 0-10% duty cycle.
- 3. Recommended at 36 V.

Compatible products

a. When using LTRN050W45 ring LED illuminator in combination with PCPW0xx optics some vignetting occurs (up to  $\approx$  16% of the total FOV). Image on camera detector will appear as depicted in the schematics. Use the adapter provided with PCPW0xx to securely clamp LTRN050W45.



PCPW0xx, MCxxxX, TCCAGExx048



