

# RT-TV-1M-220

1x Very long working distance telecentric lens for detectors up to 1/2"

## SPECIFICATIONS

Magnification		1.00
Image circle Ø	(mm)	8.0
Max detector size		1/2"

### Object field of view

with 1/3" detector (4.8 x 3.6 mm)	(mm x mm)	4.8 x 3.6
with 1/2.5" detector (5.70 x 4.28 mm)	(mm x mm)	5.7 x 4.3
with 1/2" detector (6.4 x 4.8 mm)	(mm x mm)	6.4 x 4.8
with 1/1.8" detector (7.13 x 5.37 mm)	(mm x mm)	-

### Optical specifications

Working distance	(mm)	218.20
F/#		20.0
Distortion	(%)	0.10
Field depth	(mm)	1.24
Nominal resolving power	(µm)	14.00

### Mechanical specifications

Mount		C
Length	(mm)	218.0
Diameter	(mm)	27.0
Mass	(g)	206

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## NOTES

- Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
- F/# = F-number, wF/# = working F-number, the real F-number of a lens when used as a macro.

## COMPATIBLE PRODUCTS

Despite the efforts made to generate an error-free compatibility list, we always recommend to consult the Opto Engineering® technical support department before purchasing a compatible product. Opto Engineering® shall not be liable for any damage or malfunctioning caused by the incorrect selection of a compatible product.



All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only.



LTDMC series

Continuous LED domes

LT4WRG150-00-1-W-24V	LED dome light, 185 mm outer diameter, white, 24V
LT4WRG150-00-1-R-24V	LED dome light, 185 mm outer diameter, red, 24V
LT4WRG150-00-1-G-24V	LED dome light, 185 mm outer diameter, green, 24V
LT4WRG150-00-1-B-24V	LED dome light, 185 mm outer diameter, blue, 24V



LTLAIC series (discontinued models)

Continuous LED low angle diffused ringlights

LT2RZF050-60-2-W-24V	LED ringlight, 2 LED rows, 50.8 mm outer diameter, 60°, white, 24V
LT2RZF050-60-2-R-24V	LED ringlight, 2 LED rows, 50.8 mm outer diameter, 60°, red, 24V
LT2RZF050-60-2-G-24V	LED ringlight, 2 LED rows, 50.8 mm outer diameter, 60°, green, 24V
LT2RZF050-60-2-B-24V	LED ringlight, 2 LED rows, 50.8 mm outer diameter, 60°, blue, 24V

LTLAIC series



### Continuous LED low angle diffused ringlights

<a href="#">LT3RZF050-60-1-W-24V</a>	LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, white, 24V
<a href="#">LT3RZF050-60-1-R-24V</a>	LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, red, 24V
<a href="#">LT3RZF050-60-1-G-24V</a>	LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, green, 24V
<a href="#">LT3RZF050-60-1-B-24V</a>	LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, blue, 24V



### LTLADC series

Continuous LED low angle direct ringlights

<a href="#">LTZZO130-75-3-W-24V</a>	LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, white, 24V
<a href="#">LTZZO130-75-3-R-24V</a>	LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, red, 24V
<a href="#">LTZZO130-75-3-G-24V</a>	LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, green, 24V
<a href="#">LTZZO130-75-3-B-24V</a>	LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, blue, 24V



### LTRNDC series

Continuous LED direct ringlights

<a href="#">LTZGK050-15-2-W-24V</a>	LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, white, 24V
<a href="#">LTZGK050-15-2-R-24V</a>	LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, red, 24V
<a href="#">LTZGK050-15-2-G-24V</a>	LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, green, 24V
<a href="#">LTZGK050-15-2-B-24V</a>	LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, blue, 24V
<a href="#">LTZGK070-45-3-W-24V</a>	LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, white, 24V
<a href="#">LTZGK070-45-3-R-24V</a>	LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, red, 24V
<a href="#">LTZGK070-45-3-G-24V</a>	LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, green, 24V
<a href="#">LTZGK070-45-3-B-24V</a>	LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, blue, 24V



### LTBFC series

Continuous flat side-emitting LED backlights

<a href="#">LTPVRG25X36-00-1-W-24V</a>	Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, white, 24V
<a href="#">LTPVRG25X36-00-1-R-24V</a>	Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, red, 24V
<a href="#">LTPVRG25X36-00-1-G-24V</a>	Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, green, 24V
<a href="#">LTPVRG25X36-00-1-B-24V</a>	Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, blue, 24V



### LTBRDC series

Continuous LED bar lights

<a href="#">LTZPFL040-00-6-W-24V</a>	LED bar light, 6 LED rows, 40X26.3 illumination area, white, 24V
<a href="#">LTZPFL040-00-6-R-24V</a>	LED bar light, 6 LED rows, 40X26.3 illumination area, red, 24V
<a href="#">LTZPFL040-00-6-G-24V</a>	LED bar light, 6 LED rows, 40X26.3 illumination area, green, 24V
<a href="#">LTZPFL040-00-6-B-24V</a>	LED bar light, 6 LED rows, 40X26.3 illumination area, blue, 24V



### LTCXC series

Continuous LED coaxial lights

<a href="#">LT2QOG025-00-X-W-24V</a>	LED coaxial light, 25x25.6 mm light emitting area, white, 24V
<a href="#">LT2QOG025-00-X-R-24V</a>	LED coaxial light, 25x25.6 mm light emitting area, red, 24V
<a href="#">LT2QOG025-00-X-G-24V</a>	LED coaxial light, 25x25.6 mm light emitting area, green, 24V
<a href="#">LT2QOG025-00-X-B-24V</a>	LED coaxial light, 25x25.6 mm light emitting area, blue, 24V