

RT-TV-1M-150

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) | 156.00 |
| F/# | | 16.7 |
| Distortion | (%) | 0.15 |
| Field depth | (mm) | 1.00 |
| Nominal resolving power | (µm) | 12.00 |

Mechanical specifications

| | | |
|----------|------|-------|
| Mount | | C |
| Length | (mm) | 159.0 |
| Diameter | (mm) | 24.0 |
| Mass | (g) | 120 |

Last update: 2019-12-12

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

| | |
|--------------------------------------|---|
| LT3RZF050-60-1-W-24V | LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, white, 24V |
| LT3RZF050-60-1-R-24V | LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, red, 24V |
| LT3RZF050-60-1-G-24V | LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, green, 24V |
| LT3RZF050-60-1-B-24V | LED ringlight, 1 LED row, 56.4 mm outer diameter, 60°, blue, 24V |



LTLADC series

Continuous LED low angle direct ringlights

| | |
|-------------------------------------|---|
| LTZZO130-75-3-W-24V | LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, white, 24V |
| LTZZO130-75-3-R-24V | LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, red, 24V |
| LTZZO130-75-3-G-24V | LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, green, 24V |
| LTZZO130-75-3-B-24V | LED low angle ringlight, 3 LED rows, outer diameter 131 mm, 75°, blue, 24V |



LTRNDC series

Continuous LED direct ringlights

| | |
|-------------------------------------|--|
| LTZGK050-15-2-W-24V | LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, white, 24V |
| LTZGK050-15-2-R-24V | LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, red, 24V |
| LTZGK050-15-2-G-24V | LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, green, 24V |
| LTZGK050-15-2-B-24V | LED ringlight, 2 LED rows, outer diameter 50 mm, 15°, blue, 24V |
| LTZGK070-45-3-W-24V | LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, white, 24V |
| LTZGK070-45-3-R-24V | LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, red, 24V |
| LTZGK070-45-3-G-24V | LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, green, 24V |
| LTZGK070-45-3-B-24V | LED ringlight, 3 LED rows, outer diameter 70 mm, 45°, blue, 24V |



LTBFC series

Continuous flat side-emitting LED backlights

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|--|--|
| LTPVRG25X36-00-1-W-24V | Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, white, 24V |
| LTPVRG25X36-00-1-R-24V | Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, red, 24V |
| LTPVRG25X36-00-1-G-24V | Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, green, 24V |
| LTPVRG25X36-00-1-B-24V | Flat side-emitting LED backlight, thin borders, 25X36 mm illumination area, blue, 24V |



LTBRDC series

Continuous LED bar lights

| | |
|--------------------------------------|--|
| LTZPFL040-00-6-W-24V | LED bar light, 6 LED rows, 40X26.3 illumination area, white, 24V |
| LTZPFL040-00-6-R-24V | LED bar light, 6 LED rows, 40X26.3 illumination area, red, 24V |
| LTZPFL040-00-6-G-24V | LED bar light, 6 LED rows, 40X26.3 illumination area, green, 24V |
| LTZPFL040-00-6-B-24V | LED bar light, 6 LED rows, 40X26.3 illumination area, blue, 24V |



LTCXC series

Continuous LED coaxial lights

| | |
|--------------------------------------|---|
| LT2QOG025-00-X-W-24V | LED coaxial light, 25x25.6 mm light emitting area, white, 24V |
| LT2QOG025-00-X-R-24V | LED coaxial light, 25x25.6 mm light emitting area, red, 24V |
| LT2QOG025-00-X-G-24V | LED coaxial light, 25x25.6 mm light emitting area, green, 24V |
| LT2QOG025-00-X-B-24V | LED coaxial light, 25x25.6 mm light emitting area, blue, 24V |