



RT-TCL0300-FU

0.3x Telecentric lens with built-in coaxial illumination for detectors up to 1"

SPECIFICATIONS

Optical specifications

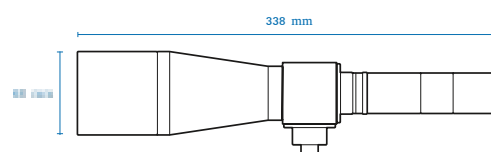
Magnification		0.3
Image circle Ø	(mm)	16
Max detector size		1"
Working distance	(mm)	167
wF/# 1		12 - 60
Distortion	(%)	0.012
Field depth	(mm)	5
Nominal resolving power	(µm)	27

Object field of view

with 1/3" detector (4.8 x 3.6 mm)	(mm x mm)	16.0 x 12.0
with 1/2.5" detector (5.70 x 4.28 mm)	(mm x mm)	19.0 x 14.3
with 1/2" detector (6.4 x 4.8 mm)	(mm x mm)	21.3 x 16.0
with 1/1.8" detector (7.13 x 5.37 mm)	(mm x mm)	23.8 x 17.9
with 2/3" - 5 MP detector (8.45 x 7.07 mm)	(mm x mm)	28.2 x 23.6
with KAI-04050 16 mm diagonal w x h 12.8 x 9.6	(mm x mm)	42.7 x 32.0

Mechanical specifications

Mount		C
Length	(mm)	338.24
Diameter	(mm)	68
Mass	(g)	819
Focus lock screws		-
Iris lock screws		Yes



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



LT2RZF100-60-2-W-24V	LED ringlight, 2 LED rows, 100 mm outer diameter, 60°, white, 24V
LT2RZF100-60-2-R-24V	LED ringlight, 2 LED rows, 100 mm outer diameter, 60°, red, 24V
LT2RZF100-60-2-G-24V	LED ringlight, 2 LED rows, 100 mm outer diameter, 60°, green, 24V
LT2RZF100-60-2-B-24V	LED ringlight, 2 LED rows, 100 mm outer diameter, 60°, blue, 24V



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



LTPVR070-00-1-W-24V	Flat side-emitting LED backlight, 70X70 mm illumination area, white, 24V
LTPVR070-00-1-R-24V	Flat side-emitting LED backlight, 70X70 mm illumination area, red, 24V
LTPVR070-00-1-G-24V	Flat side-emitting LED backlight, 70X70 mm illumination area, green, 24V
LTPVR070-00-1-B-24V	Flat side-emitting LED backlight, 70X70 mm illumination area, blue, 24V

LTPVRG070-00-1-W-24V	Flat side-emitting LED backlight, thin borders, 70X70 mm illumination area, white, 24V
LTPVRG070-00-1-R-24V	Flat side-emitting LED backlight, thin borders, 70X70 mm illumination area, red, 24V
LTPVRG070-00-1-G-24V	Flat side-emitting LED backlight, thin borders, 70X70 mm illumination area, green, 24V
LTPVRG070-00-1-B-24V	Flat side-emitting LED backlight, thin borders, 70X70 mm illumination area, blue, 24V



LTZPFL080-00-6-W-24V	LED bar light, 6 LED rows, 80X26.3 illumination area, white, 24V
LTZPFL080-00-6-R-24V	LED bar light, 6 LED rows, 80X26.3 illumination area, red, 24V
LTZPFL080-00-6-G-24V	LED bar light, 6 LED rows, 80X26.3 illumination area, green, 24V
LTZPFL080-00-6-B-24V	LED bar light, 6 LED rows, 80X26.3 illumination area, blue, 24V