

LTDMA1-G

Diffusive strobed dome illuminator - small size medium power green

SPECIFICATIONS

Optical specifications

Number of LEDs		15
Light color		green, 525 nm
Spectral FWHM	(nm)	50
Illumination area diameter	(mm)	40
Suggested working distance WD	(mm)	5-50
Minimum estimated illumination at driving current = 3.5 A 1	(klux)	70
Minimum estimated illumination at driving current = 7.5 A 1	(klux)	125
Minimum estimated illumination at driving current = 17.0 A 1	(klux)	-
Aperture range	(mm)	38 (fixed)

Electrical specifications

Power supply mode		strobe only, constant current driving	
Driving current, min	(A)	3.5	
Driving current, max	(A)	7.5	
Pulse width 2	(ms)	≤ 1	
Connection type 3		M8 industrial male connector	
Estimated MTBF 4	(hours)	> 50000	
Pin 1		LED +	
Pin 2		LED +	
Pin 3		LED -	
Pin 4		LED -	

Mechanical specifications

Length	(mm)	107
Width	(mm)	84
Height	(mm)	53
Material		black anodized aluminum body
Clamping system		4 threaded holes for M6 screw

Compatibility

Strobe controllers	LTDV1CH-7, LTDV6CH
Lenses	TC23007, TC23009, TCLWD series, MC050X, MC033X, RT series
Cable	CBLT003, CBLT004

Environment

Operating temperature	(deg)	0-40°C
0-50°C	(deg)	0-50°C
20-85% non condensing		20-85% non condensing
IP rating		n/a
Installation		indoor use only

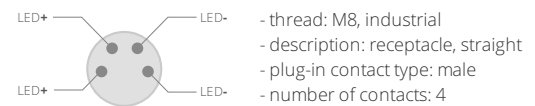
NOTES

1. At max working distance W.D.
2. At 25°C. At max pulse width (1 ms), max pulse frequency = 15 Hz.
3. 5 m cable with straight female connector included. Optional cable with right angled connector is also available and must be ordered separately (refer to our website for further info and ordering codes).
4. At 25°C.

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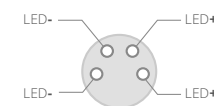


CONNECTION



Illuminator side - male pins
Front view

- thread: M8, industrial
- description: receptacle, straight
- plug-in contact type: male
- number of contacts: 4



Cable side
(front view)

PIN	CABLE COLOR
LED+	Brown
LED+	White
LED-	Green
LED-	Yellow

Do not remove parallelization



COMPATIBLE PRODUCTS



TC series
Bi-telecentric lenses for matrix detectors up to 2/3"

TC23007	Bi-telecentric lens for 2/3" detectors, magnification 1.333 x, C-mount
TC23009	Bi-telecentric lens for 2/3" detectors, magnification 1.000 x, C-mount



TCLWD series
Long working distance telecentric lenses for 2/3" detectors

TCLWD050	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 0.50x, C-mount
TCLWD066	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 0.66x, C-mount
TCLWD075	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 0.75x, C-mount
TCLWD100	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 1.00x, C-mount
TCLWD150	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 1.50x, C-mount
TCLWD250	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 2.50x, C-mount
TCLWD350	Long working distance telecentric lens for 2/3" detectors, WD 135 mm, magnification 3.50x, C-mount



MC series
Zero distortion macro lenses

MC050X	Macro lens for 2/3" detectors, magnification 0.50 x, C-mount
MC033X	Macro lens for 2/3" detectors, magnification 0.33 x, C-mount



LTDV series
Strobe controllers

LTDV6CH	Strobe controller 6 channels
LTDV1CH-7	Strobe controller 1 channel 7.5 A

Electronics and cables
Power supplies, power and interface cables

CBLT003	Illumination cable PVC grey, side 1 M8 connector straight, side 2 cable end - 5 m - for single stage systems
CBLT004	Illumination cable PVC grey, side 1 M8 connector right angled, side 2 cable end - 5 m - for single stage systems



ENMP series
Megapixel C-mount lenses for detectors up to 2/3"

RT-H0514-MP2	Megapixel lens, focal length 5 mm, f# 1.4-16C, C-mount
RT-M0814-MP2	Megapixel lens, focal length 8 mm, f# 1.4-16C, C-mount
RT-M1214-MP2	Megapixel lens, focal length 12 mm, f# 1.4-16C, C-mount
RT-M1614-MP2	Megapixel lens, focal length 16 mm, f# 1.4-16C, C-mount
RT-M2514-MP2	Megapixel lens, focal length 25 mm, f# 1.4-16C, C-mount
RT-M3514-MP	Megapixel lens, focal length 35 mm, f# 1.4-16C, C-mount
RT-M5018-MP2	Megapixel lens, focal length 50 mm, f# 1.4-16C, C-mount
RT-M7528-MP	Megapixel lens, focal length 75 mm, f# 1.4-16C, C-mount



ENVF series
Vari-focal lenses for detectors up to 2/3"

RT-M3Z1228C-MP	Vari-focal lens, focal length 12-36 mm, f# 2.8-16C, C-mount
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ENHR series
5 Megapixel C-mount lenses for detectors up to 2/3"

RT-M0824-MPW2	5-megapixel lens, focal length 8 mm, f# 2.8, C-mount
RT-M1224-MPW2	5-megapixel lens, focal length 12 mm, f# 1.8, C-mount
RT-M1620-MPW2	5-megapixel lens, focal length 16 mm, f# 2-16, C-mount
RT-M2518-MPW2	5-megapixel lens, focal length 25 mm, f# 1.8-16, C-mount
RT-M3520-MPW2	5-megapixel lens, focal length 35 mm, f# 2-22, C-mount
RT-M5028-MPW2	5-megapixel lens, focal length 50 mm, f# 2.8-32, C-mount

EN2M series

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Megapixel C-mount lenses for detectors up to 1"

RT-VHF8MK	5-megapixel lens for 1", focal length 8 mm, f# 1.4, C-mount
RT-VHF12-5MK	5-megapixel lens for 1", focal length 12.5 mm, f# 1.4, C-mount
RT-VHF16MK	5-megapixel lens for 1", focal length 16 mm, f# 1.4, C-mount
RT-VHF25MK	5-megapixel lens for 1", focal length 25 mm, f# 1.4, C-mount
RT-VHF35MK	5-megapixel lens for 1", focal length 35 mm, f# 1.4, C-mount
RT-VHF50MK	5-megapixel lens for 1", focal length 50 mm, f# 1.4, C-mount
RT-VHF75MK	5-megapixel lens for 1", focal length 75 mm, F/# 1.8, C-mount



EN4K series

Lenses for 4k line detectors and 4/3" matrix detectors

RT-FL-YFL5028A-02	Linescan lens, focal 50 mm f/2.8, F-mount, WD 242-361 mm
RT-FL-YFL5028A-035	Linescan lens, focal 50 mm f/2.8, F-mount, WD 146-201 mm
RT-FL-YFL3528	Linescan lens, focal 35 mm f/2.8, F-mount, format 45 mm
RT-FL-YFL5028	Linescan lens, focal 50 mm f/2.8, F-mount, format 45 mm