

# LTDMC2-W | DATASHEET

## Diffusive strobed dome illuminator - large size high power white



### SPECIFICATIONS

#### Lighting specifications

Illumination area diameter	(mm)	100
Optimal working distance	(mm)	5-50
Number of LEDs		80
Light color, Peak wavelength		white, > 6000 K
Spectral FWHM	(nm)	-
Illuminance <sup>1</sup>	(klux)	140

#### Electrical specifications

Power supply mode		Strobe only, constant current driving
Peak power consumption	(W)	n.a.
Min pulse current	(A)	3.5
Max pulse current	(A)	17
Max pulse duration <sup>2</sup>	(ms)	1
Max duty cycle	(%)	1.5
Estimated MTBF <sup>3</sup>	(hours)	> 50000
Connector		M12
Included cable		CBLT001

<sup>1</sup> Measured at maximum current and maximum working distance

<sup>2</sup> At 25°C. At max pulse width (1ms), max pulse frequency = 15 Hz

<sup>3</sup> At 25°C

### KEY ADVANTAGES

#### Ultra high-power light output and strobe mode only operation

For the inspection of fast moving object and an extended LED lifetime.

#### Rugged industrial design with built-in industrial connector

For easy integration into any machine vision system.

#### Wide selection

Available in three sizes, three colors and two power intensities.

#### Compatible LTDV strobe controllers available

For easy and appropriate power, control and synchronization of the illuminator.

**LTDM series** are high power diffuse LED strobe dome illuminators designed to provide non-directional diffused light and to effectively eliminate glare and shadows.

#### Mechanical specifications

Aperture Diameter	(mm)	10-60
Length	(mm)	206.0
Width	(mm)	206.0
Height	(mm)	128.0
Mass	(g)	2200
Clamping system		4x M6 threaded holes

#### Environment

Operating temperature	(°C)	0-40
Storage temperature	(°C)	0-50
Operating relative humidity	(%)	20-85, non condensing
Installation		Indoor use only

#### Eye safety

Risk group (CEI EN 62471:2010)		Risk group 1
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### COMPATIBLE PRODUCTS

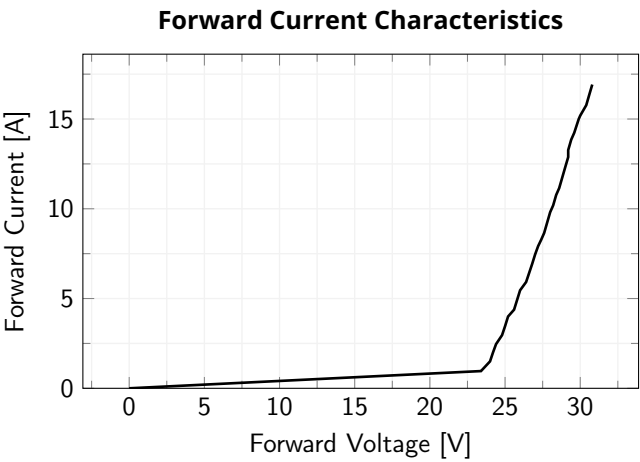
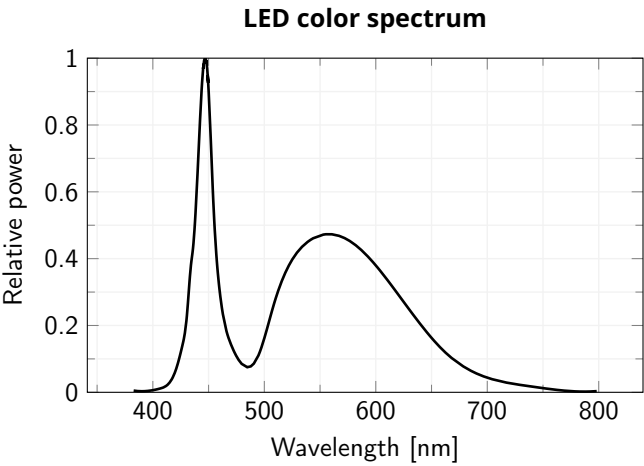
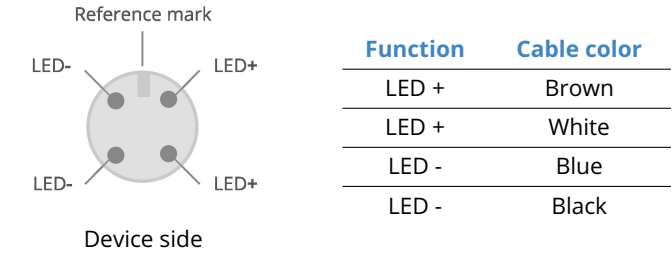
Full list of compatible products available [here](#).



A wide selection of innovative machine vision components.

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CONNECTOR PINOUT



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