

Flat Dome Light

white light, 700 × 700 mm

LFDW701

Part Number



- Easy and flexible installation
- High homogeneity
- High performance: high intensity even in continuous mode
- No external control required

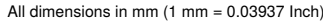
The LFD series flat dome lights are high-diffuse lights with a camera connection. Due to their intense luminous flux and high homogeneity, they are perfectly suited for large-area applications such as robot-assisted pick-and-place. They can be used in continuous mode or synchronized with the machine vision camera in strobe mode via PNP or NPN inputs. The light is characterized by its narrow edges (4 mm) and easy mounting thanks to the T-slot fastener and the anchor point around the housing. Cameras can be connected easily on the rear of the light.

Technical Data

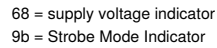
Optical Data	
Light Source	White Light
Color temperature	6500 K
White light output	44300 Lux
Electrical Data	
Supply Voltage	21,6...26,4 V DC
Power	264 W
Current Consumption Continuous Mode (U _b = 24 V)	11 A
Rise time	15 µs
Fall time	10 µs
Input signal	PNP/NPN
Temperature Range	-10...40 °C
Storage temperature	-20...60 °C
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Protection Class	III
Dimming	0...10 V ± 100...30%
Overdrive	no
Mechanical Data	
Luminous Field Length (L)	700 mm
Luminous Field Width (W)	700 mm
Luminous Field	700 × 700 mm
Housing Material	Aluminum, anodised
Housing Material	Plastic, ABS/GF
Degree of Protection	IP40
Optic Cover	Plastic, PMMA
Connection	M12 × 1; 5-pin
Max. cable length	10 m
Camera aperture inner diameter	65 mm
Function	
Operating modes	Continuous, Strobe
Connection Diagram No.	007
Control Panel No.	T16
Suitable Mounting Technology No.	926

Complementary Products

ZC4G003 connection cable
ZDCG004 connection cable
ZDCG005 connection cable



T16



Legend