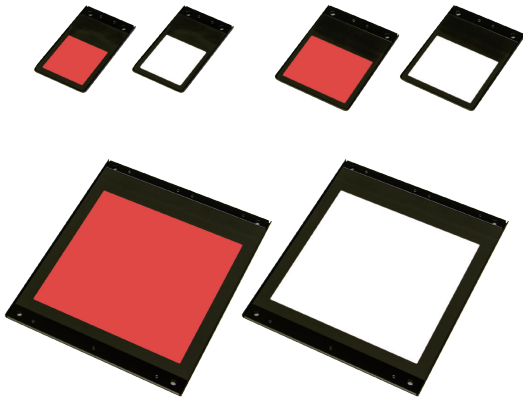


Product Introduction

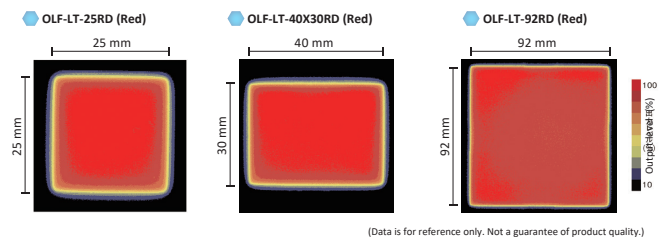


CCS Inc, the leading manufacturer of LED Lighting Solutions for Machine Vision, introduces the OLF-LT Series to the market, the latest in OLED lighting technology. This new OLED series utilizes a unique multi layer technology for unparalleled intensity and uniformity. OLED panels are inherently very thin and have low heat generation. The combination of these factors make the OLF-LT Series uniquely suited for machine vision applications where space is limited with a small Field of View.

OLED panels are current driven devices and their lifetime is sensitive to current fluctuation. As such, CCS brings to the market a dedicated OLED controller for precise current control. In combination with the predictive maintenance functionality of these controllers, an estimation of the remaining lifetime of these products can be made.

Main Features

- Unique multi-layer technology
- Extremely thin (3mm)
- High uniformity
- Dedicated controller for precise current control
- Predictive maintenance function for service lifetime



Product Lineup

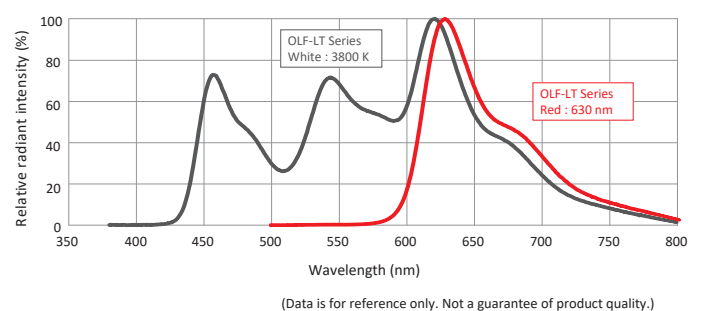
Model name	LED emitting color	Peak wavelength/ C.C.T. (typ.)	Input current (max.)	Power consumption (max.)	Weight (max.)	Expected service life (hours)
OLF-LT-25RD	Red	630nm	0.019A	0.40W	19g	50.000
OLF-LT-25SW	White	3.800K	0.018A	0.42W	19g	32.000
OLF-LT-40X30RD	Red	630nm	0.037A	0.78W	29g	50.000
OLF-LT-40X30SW	White	3.800K	0.035A	0.81W	29g	28.000
OLF-LT-92RD	Red	630nm	0.262A	5.6W	102g	50.000
OLF-LT-92SW	White	3.800K	0.250A	5.8W	102g	19.000

*Use OC-G-5646-2-ET when using OLF-LT-92 model in overdrive mode.

Common specifications

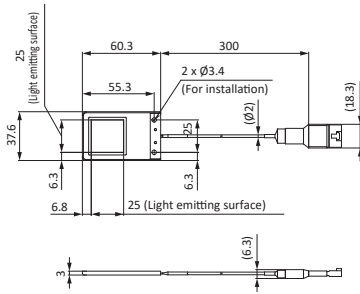
Cable length	300mm
Cooling method	Natural air-cooling
Operating environment (indoors only)	Temperature: 5 to 40°C, Humidity: 20% to 85% (with no condensation)
Storage environment	Temperature: -20 to 50°C, Humidity: 20 to 85%RH (with no condensation)
CE marking	Safety standard: Conforms to EN62471
Environmental regulations	RoHS2 compliant
Case material	Aluminum alloy
Accessories	Instruction Manual, Extension Cable (1 m)

Spectral distribution

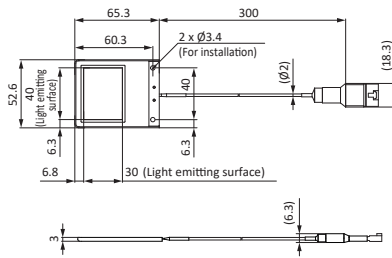


Product drawings

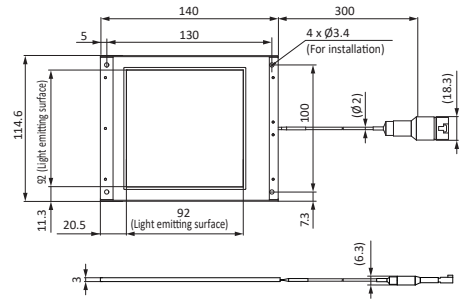
OLF-LT-25RD/SW



OLF-LT-40X30RD/SW



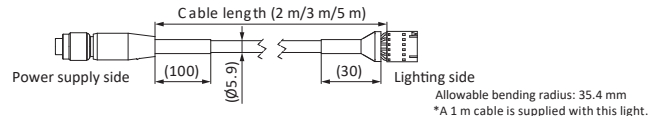
OLF-LT-92RD/SW



Optional extension cable

Model name	OLCB-2	OLCB2-3	OLCB-5
Cable length	2m	3m	5m
Weight	127g max.	182g max.	292g max.

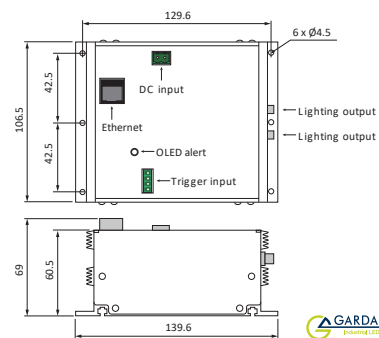
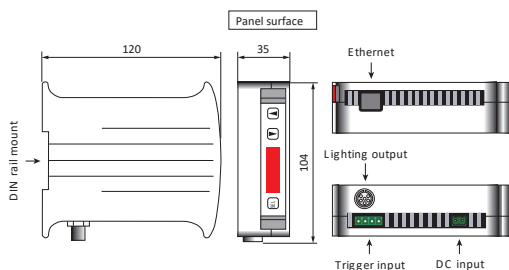
OLCB external dimensions diagram



Common specifications dedicated controllers

Model name	OC-0736-1-ET	OC-G-5646-2-ET
Input voltage	24 VDC (21.6 to 26.4 V)	
Drive method	Constant-current system	
Light emission mode	Regular Emission [Continuous], ON/OFF Emission [Switch], Strobe Emission (With Overdrive Mode) [Pulse]	
Setting method	Ethernet, Panel Surface Button Operation	Ethernet
Number of channels	1 channel	2 channels
Input current peak	1 A	10 A
Power consumption (typ.)	12 W (Continuous light emission at time of maximum load)	Each Channel: 30 W, Total: 56 W
Trigger input	3 to 24 VDC input TTL, NPN, and PNP, Input impedance (nominal) 8 kΩ	3 to 24 VDC Input, Photocoupler ON current of 3 mA or more
Strobe light emission time setting	100 μs to 10 ms (100 μs units)	10 μs to 10 ms (1 μs units)
Light emission delay time setting	2 μs to 10 ms (100 μs units)	2 μs to 10 ms (1 μs units)
Strobe emission response speed	Max. 10 μs	
ON/OFF emission response speed	Max. 100 μs	
Operating environment	Temperature: 0 to 40°C, Humidity: 20 to 85% RH (with no condensation)	
Storage environment	Temperature:- 20 to 60°C, Humidity: 20 to 85% RH (with no condensation)	
CE marking & Environmental regulations	EMC standard: Conforms to EN61000-6-2, EN61000-6-4 RoHS2 compliant	
Weight	300 g max.	550 g max.
Accessories	Würth 351 Series 2 pin x1, Würth 361 Series 4 pins x1	

Product drawings



For further information, please contact your local CCS representative
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