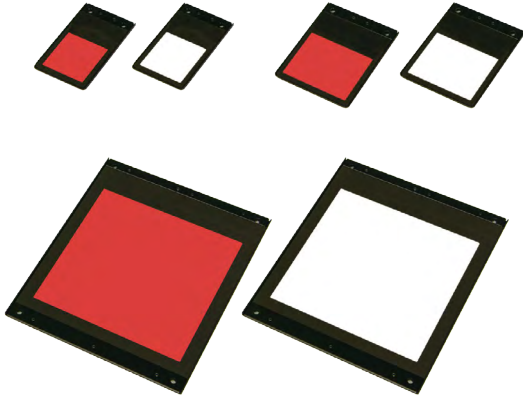


## Product Introduction

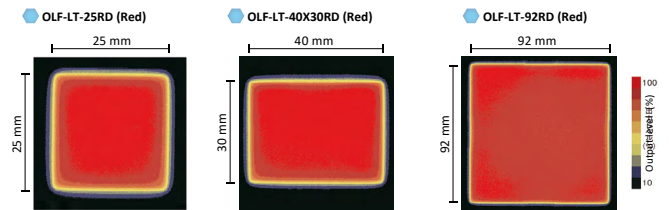


CCS Inc, the leading manufacturer of LED Lighting Solutions for Machine Vision, introduces the OLF-LT Series to the market, the latest in OLED lighting technology. This new OLED series utilizes a unique multi layer technology for unparalleled intensity and uniformity. OLED panels are inherently very 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



(Data is for reference only. Not a guarantee of product quality.)

## Product Lineup

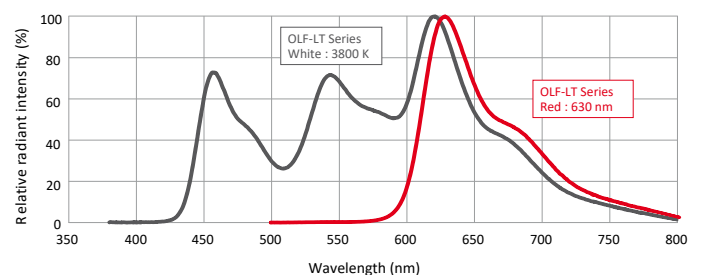
Model name	LED emitting color	Peak wavelength/ C.C.T. (typ.)	Input current (max.)	Power consumption (max.)	Weight (max.)	Expected service life (hours)
OLF-LT-25RD	Red	630nm	0.019A	0.40W	19g	50.000
OLF-LT-25SW	White	3.800K	0.018A	0.42W	19g	32.000
OLF-LT-40X30RD	Red	630nm	0.037A	0.78W	29g	50.000
OLF-LT-40X30SW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

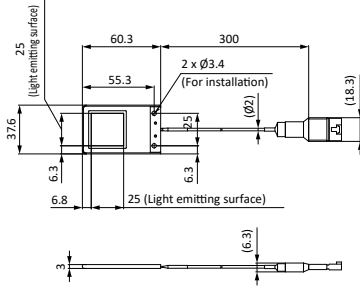
### Spectral distribution



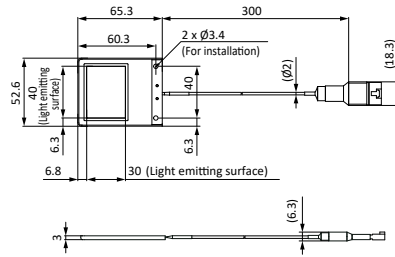
(Data is for reference only. Not a guarantee of product quality.)

## Product drawings

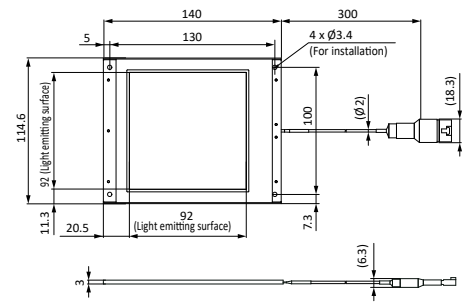
OLF-LT-25RD/SW



OLF-LT-40X30RD/SW



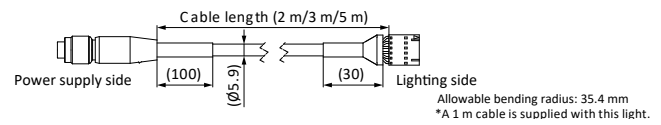
OLF-LT-92RD/SW



### Optional extension cable

Model name	OLCB-2	OLCB-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

