

# Professional Lighting Systems for Industrial Imaging

## ECO-LIGHT Series

the ECO-Light product line for backlight applications is designed to satisfy demands for priceworthiness, for high quality and for an extremely flat device.

- reliable LED technique with long lifecycle
- high degree of homogeneity for exact evaluation
- low power consumption, low heat generation
- extremely flat case (10 mm)
- standard colors: red (615 nm), white, other colors on demand
- solid, milled, black anodised, alu case
- easy mounting by using the supplied bores

### General technical data

wavelength (standard red):	red 615 nm, white (x:0,32 / y:0,31)
voltage supply:	models for 12VDC, 24VDC, Strobe version
lifetime (LEDs) **:	approx. 100.000 h
ambient-temperature:	max. 50°C
cable length for DC type:	1.5 m
case:	alu milled, black anodised
construction height:	10 mm
front-cover:	acryl transparent (2mm)

### Models in comparison

Type	12 VDC	24 VDC	Strobe	LFC
<b>ECO-LIGHT-1 red</b> approx. 20 W/m <sup>2</sup> power consumption	● approx. 120 mA	● approx. 60 mA	●	●
<b>ECO-LIGHT-1 white</b> approx. 18 W/m <sup>2</sup> power consumption		● approx. 140 mA		
<b>ECO-LIGHT-2 red</b> approx. 4,5 W/m <sup>2</sup> power consumption	● approx. 60 mA		●	●
<b>ECO-LIGHT-2 white</b> approx. 4 W/m <sup>2</sup> power consumption	● approx. 140 mA	● approx. 70 mA	●	●
●	standard product			

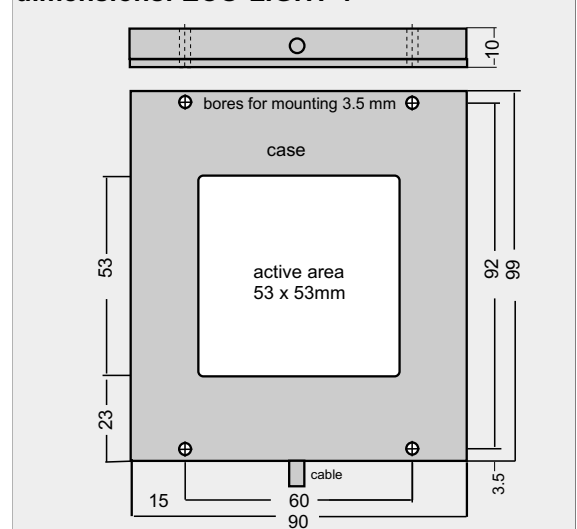
### ECO - Models:

	<b>ECO-LIGHT-1</b>	<b>ECO-LIGHT-2</b>
active luminous area (X x Y):	53 mm x 53 mm	108 mm x 42 mm
homogeneity (X x Y):	ca. 5-10% x 5-10%	ca. 20% x 5-10%
size of case:	90 x 99 x 10 mm	146 x 74 x 10 mm

constructionwise the ECO-LIGHT-1 models own a far higher homogeneity compared to the ECO-LIGHT-2 models, but the same high luminosity

<b>Order-No.</b>	<b>Designation</b>	<b>Order-Nr.</b>	<b>Designation</b>
S20-0001	ECO-LIGHT-1 R 12VDC	S21-0001	ECO-LIGHT-2 R 12VDC
S20-0002	ECO-LIGHT-1 R 24VDC	S21-0002	ECO-LIGHT-2 R Strobe
S20-0003	ECO-LIGHT-1 R Strobe	S21-0003	ECO-LIGHT-2 R LFC1
S20-0004	ECO-LIGHT-1 R LFC1	S21-0004	ECO-LIGHT-2 white 12VDC
S20-0005	ECO-LIGHT-1 white 24VDC	S21-0005	ECO-LIGHT-2 white 24VDC
S20-M8	M8-Plug for DC-Types	S21-0006	ECO-LIGHT-2 white Strobe
		S21-0007	ECO-LIGHT-2 white LFC1
		S21-M8	M8-Plug for DC-Types

dimensions: ECO-LIGHT-1



dimensions: ECO-LIGHT-2

