

HIGH POWER LIGHTS

High Power series illumination is designed for intense lighting applications. LL130 series have 2 lines of high-power LED while staying compact in size.



EXCEPTIONAL ILLUMINATION POWER

WHILE STAYING COMPACT IN SIZE

HOMOGENOUS LIGHT FIELD

UNIVERSAL MOUNTING

ROUGH METAL HOUSING

CONFIGURATION

Ordering Code

LL -	130	R	60
Linear Light	light length	wavelength	LED radiation angle

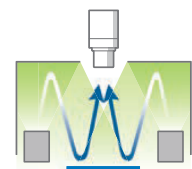
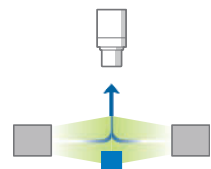
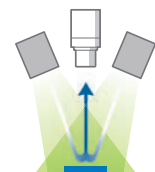
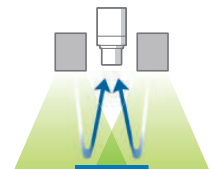
LL-85

model series	active illumination area	wavelength	LED radiation angle
LL-85W120	85 × 10 mm	white	120°
LL-85R120	85 × 10 mm	633 nm	120°
LL-85B120	85 × 10 mm	470 nm	120°
LL-85G120	85 × 10 mm	525 nm	120°

LL-130

model series	active illumination area	wavelength	LED radiation angle
LL-130W120	130 × 10 mm	white	120°
LL-130R120	130 × 10 mm	633 nm	60°
LL-130B120	130 × 10 mm	470 nm	120°
LL-130G120	130 × 10 mm	525 nm	120°
LL-130IR120	130 × 10 mm	850 nm	50°

WAYS OF USE



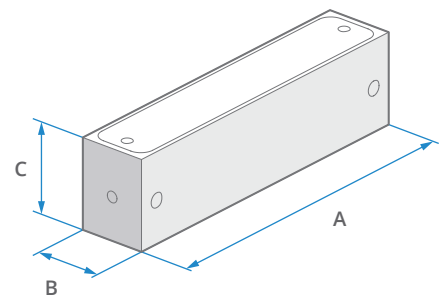
BASIC ELECTRIC PARAMETERS

Model		LL-85W120	LL-85R120	LL-85B120	LL-85G120
Voltage Span	U_n				
Nominal Voltage	U_{jm}	24 V	24 V	24 V	24 V
Nominal Current	I_{jm}	300 mA	285 mA	285 mA	300 mA
Max. Current	I_{max}	800 mA	600 mA	800 mA	800 mA
Trigger Voltage	U_{trig}	2,7 - 24 V	2,7 - 24 V	2,7 - 24 V	2,7 - 24 V
Trigger Current	I_{trig}	2,3 mA	2,3 mA	2,3 mA	2,3 mA
Input	P	19,2 W	14,4 W	19,2 W	19,2 W

Model		LL-130W120	LL-130R120	LL-130B120	LL-130G120	LL-130IR120
Voltage Span	U_n	22 - 28 V DC	22 - 28 V DC	22 - 28 V DC	22 - 28 V DC	22 - 28 V DC
Nominal Voltage	U_{jm}	24 V	24 V	24 V	24 V	24 V
Nominal Current	I_{jm}	300 mA	285 mA	285 mA	300 mA	300 mA
Max. Current	I_{max}	450 mA	550 mA	450 mA	450 mA	450 mA
Trigger Voltage	U_{trig}	2,7 - 24 V	2,7 - 24 V	2,7 - 24 V	2,7 - 24 V	2,7 - 24 V
Trigger Current	I_{trig}	2,3 mA	2,3 mA	2,3 mA	2,3 mA	2,3 mA
Input	P	7,2 W	6,8 W	6,8 W	7,2 W	7,2 W

DIMENSIONS AND WEIGHT

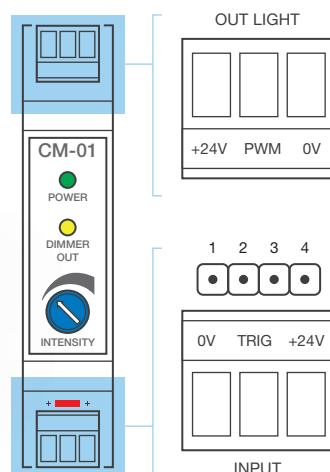
Model	A length (mm)	B width (mm)	C height (mm)	Active lighting area	Weight
LL-85...	100	20	22	85 × 15 mm	100 g
LL-130...	149,5	18	24	130 × 15 mm	223 g



CONTROLLER CM-01

Universal illumination intensity controller

Trigger signal input

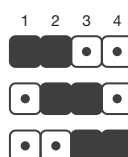


TERMINAL BOX OUTPUT "OUT LIGHT" – LIGHT CONNECTION

Terminal +24 V light positive pole
Terminal PWM PWM signal
Terminal 0 V light negative pole

TERMINAL BOX INPUT "INPUT" – POWER SUPPLY AND CONTROL SIGNAL CONNECTION

Terminal +24 V positive pole of 24 V DC Power Supply
Terminal 0 V negative pole of 24 V DC Power Supply
Terminal TRIG trigger signal from camera, PLC, etc.



CM-01 MODE OPTION

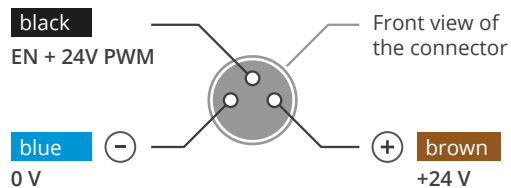
1 – 2 Enable – constant light
 2 – 3 Not used
 1 – 2 Invert trig – light during log 0 signal

OVERALL BASIC INFORMATION

Technical data

IP category	IP50
Protection Category	III
Ambient temperature	-20 - +40 °C
Isolation resistance	500 V
Housing material	Duralumin

CONNECTOR PIN ASSIGNMENT



ACCESSORIES INCLUDED

Transparent diffuser, diffuser with the opacity of 68 %, 5 m straight cable



clear



68%

OPTIONAL ACCESSORIES

Diffusers with the opacity of 38 % and 50 %, polarized diffuser, 5 m angular cable



38%



50%



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