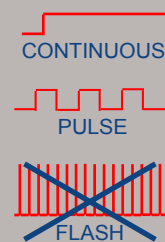
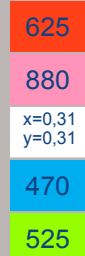


Square light SQ160 - Technical data



- LED Square light for continuous / pulse operation
- active light field 160 mm x 160 mm
- 400 high performance 5 mm LEDs
- applicable as a clear, diffused or polarised incident illumination or as a transmitted illumination
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- robust industrial model, Aluminium casing, IP40
- drag chain cable

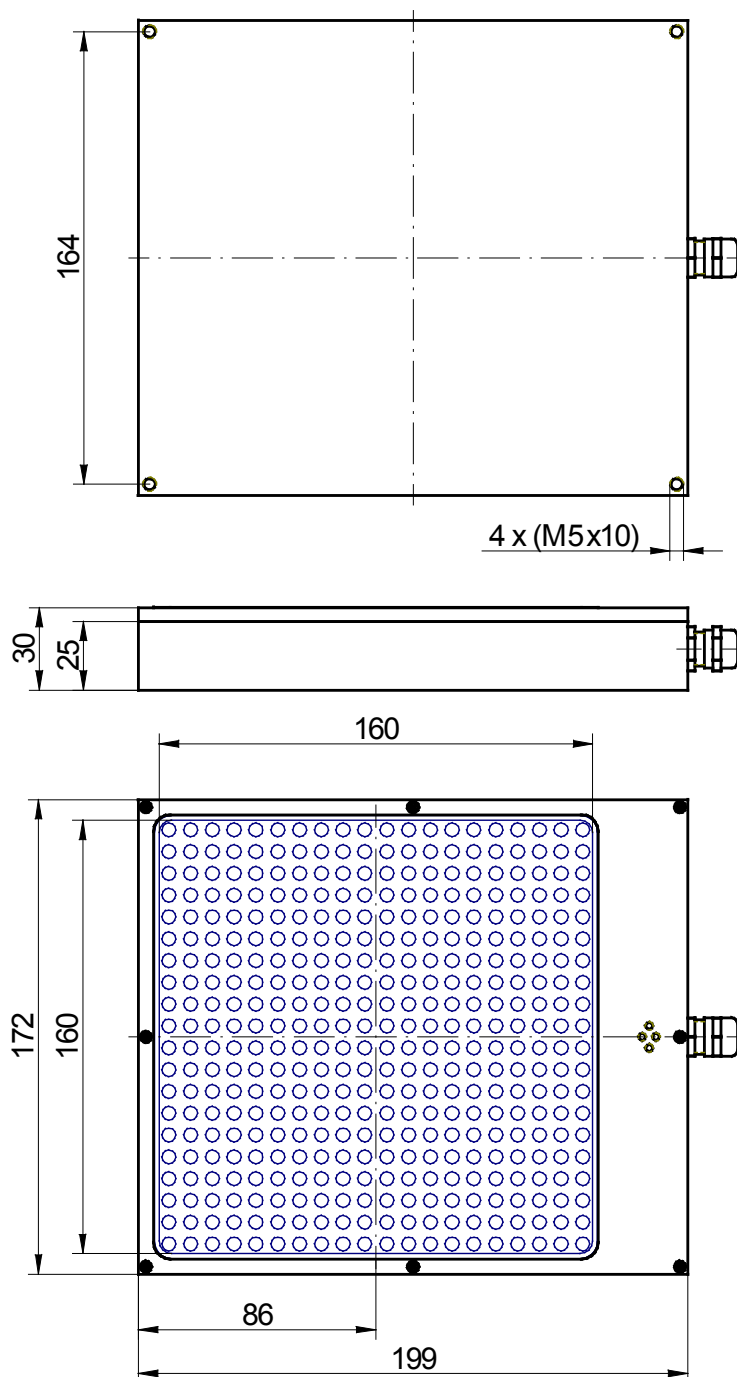


Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
SQ160-xxx-R	red / 625	19 - 30	0,8
SQ160-xxx-IR	infrared / 880	19 - 30	1,1
SQ160-xxx-W	white / x=0,31 y=0,31	19 - 30	1,2
SQ160-xxx-B	blue / 470	19 - 30	1,2
SQ160-xxx-G	green / 525	19 - 30	1,2

Operation mode	continuous / pulse	Switching works over the operation voltage or VC analogue input with up to 30 V DC
Brightness regulation	Potentiometer / VC	Potentiometer 0 - 100 % (deactivated on VC - models) VC brightness regulation 0 - 10 % when connected to a voltage of 1 - 10 V DC on the VC analogue input (only the VC - model >>> observe the order data)
Operation temperature	0 - 45 °C / 32 - 113 °F	
Weight	1,3 kg	
Protection class	IP 40	
Connection cable	1,5 m	drag chain cable, bending radius at least 72 mm

Wiring		
brown	+19...30 V DC	+ operating voltage (max. 30 V)
white	GND	GND operating voltage
yellow	+1...10 V DC	VC analogue input brightness regulation / Pulse
green (green/yellow)	earth	earth connection

Square light SQ160 - Technical drawing



Square light SQ160 - Order data

Composition of the product name

Model	Diffusor	Illumination colour	Brightness regulation	Trigger	Flash time
SQ / CRC/...	ALK - incident light, clear screen ALD - incident light, diffused, satin screen ALF - incident light fresnel lens (f=100 mm) DL - transmitted light, highly diffused, white screen POL - polarisation filter	R - red IR - infrared W - white B - blue G - green UV - ultraviolet	VC - VC analogue input active free - Potentiometer active	PLC TTL	10...100 µs 20...220 µs

SQ160-ALK	
Product number	Product name
11.03.001	SQ160-ALK-R
11.03.002	SQ160-ALK-R/VC
11.03.003	SQ160-ALK-IR
11.03.004	SQ160-ALK-IR/VC
11.03.005	SQ160-ALK-W
11.03.006	SQ160-ALK-W/VC
11.03.007	SQ160-ALK-B
11.03.008	SQ160-ALK-B/VC
11.03.009	SQ160-ALK-G
11.03.010	SQ160-ALK-G/VC

SQ160-ALD	
Product number	Product name
11.03.101	SQ160-ALD-R
11.03.102	SQ160-ALD-R/VC
11.03.103	SQ160-ALD-IR
11.03.104	SQ160-ALD-IR/VC
11.03.105	SQ160-ALD-W
11.03.106	SQ160-ALD-W/VC
11.03.107	SQ160-ALD-B
11.03.108	SQ160-ALD-B/VC
11.03.109	SQ160-ALD-G
11.03.110	SQ160-ALD-G/VC

SQ160-DL	
Product number	Product name
11.03.301	SQ160-DL-R
11.03.302	SQ160-DL-R/VC
11.03.303	SQ160-DL-IR
11.03.304	SQ160-DL-IR/VC
11.03.305	SQ160-DL-W
11.03.306	SQ160-DL-W/VC
11.03.307	SQ160-DL-B
11.03.308	SQ160-DL-B/VC
11.03.309	SQ160-DL-G
11.03.310	SQ160-DL-G/VC

POL additional integrated polarising filter foil (not for IR)	
Product number	Product name
11.03.501	polarising filter foil for the SQ160