

Area Light LG3020 - Technical data



- LED Area Light for continuous / switch operation
- light field 300 mm x 200 mm
- light guide technology with 60 laterally coupled Power LED
- highly diffused backlight or directed homogeneous collimated light
- integrated illumination controller
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- fast TTL and PLC switch inputs
- robust industrial model, Aluminium casing, IP50
- 150 mm cable with an M16 12-pin plug
- drag chain connection cable with an M16 12-pin socket in different lengths available as accessory ↪ [please note page 211 of the main product catalogue](#)

With the following table you can assemble your desired type of lighting:*

* A detailed product key explanation can be found on ↪ [Page 4](#) of the main product catalogue.

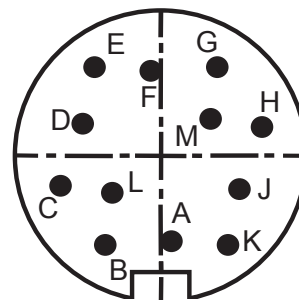
Available illumination variants

Model	Diffusing panel	Illumination colour	Brightness regulation
LG3020	DL, KOL	R IR850 W B (on request) G (on request)	Potentiometer, VC

Operation mode	Continuous / switch	switch works over fast TTL and PLC inputs
Operation voltage	19...30 V DC	wide range voltage input
Max. current	3,0 A	at 24 V
Switch operation	TTL PLC	load-free, opto isolated switching inputs TTL - High = 3 – 30 V DC SPS – High = 15 – 30 V DC connect the GND trigger switching period is controlled via trigger signal
Switching times	20 ms up to continuous operation	Switching time follows the switch signal Switching frequency: max. 10 Hz
Continuous operation		The trigger input need a permanent high signal (e.g. connection of the operating voltage) for continuous mode connect the GND trigger
Brightness regulation	Potentiometer / VC	Potentiometer: 0...100 % (deactivated with VC - models) or VC: 0 – 100 % with VC-analogue input 1...10 V DC VC-voltage > 1 VDC -> potentiometer deactivated automatically, recommendation: turn the potentiometer fully anti-clockwise (left)
Ambient temperature	5 - 45 °C / 37 - 113 °F	non-condensing
Weight	2,8 kg	
Protection class	IP 50	
Connection	M16 12-pin plug	150 mm drag chain cable with an M16 12-pin plug, IP67

Pin arrangement M16 plug

A+K	white	GND	GND Operation voltage
B+L	brown	U _B	Operation voltage
C	green	NC	NC
D	yellow	VC	Brightness regulation 1...10 V DC
E	grey	+ ON / OFF TTL	Switching input, TTL > 3 V DC
F	pink	+ ON / OFF SPS	Switching input, SPS > 15 V DC
G	blue	GND ON / OFF	GND switch circuit
H	Shield	Shield	Shield connection
J	nc	NC	NC
M	nc	NC	NC



LIFETIME
75.000h+

x=0,31
 y=0,31

850nm

625nm

528nm*

470nm*

*on request

CONTINUOUS

SWITCH

CONTROLLER
INSIDE



Price list: page 249 of the main product catalogue

Area Light LG3020 - Technical drawing

