

# Area Light LG2015 - Technical data



- LED Area Light for continuous / switch operation
- light field 200 mm x 150 mm
- light guide technology with 20 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, IP67
- 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.

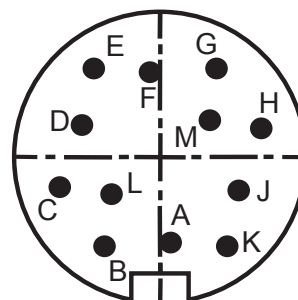
### Available illumination variants

Model	Diffusing panel	Illumination colour	Brightness regulation
LG2015	DL, KOL	R IR850 W B (on request) G (on request)	Potentiometer, VC

<b>Operation mode</b>	Continuous / switch	switch works over fast TTL and PLC inputs
<b>Operation voltage</b>	19...30 V DC	wide range voltage input
<b>Max. current</b>	1,2 A	at 24 V
<b>Switch operation</b>	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
<b>Switching times</b>	20 ms up to continuous operation	Switching time follows the switch signal Switching frequency: max. 10 Hz
<b>Continuous operation</b>		The trigger input need a permanent high signal (e.g. connection of the operating voltage) for continuous mode connect the GND trigger
<b>Brightness regulation</b>	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)
<b>Ambient temperature</b>	5 - 45 °C / 37 - 113 °F	
<b>Weight</b>	1,7 kg	
<b>Protection class</b>	IP67	
<b>Connection</b>	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 <sub>B</sub>	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 247 of the main product catalogue](#)

# Area Light LG2015 - Technical drawing

