

Area Light LGCB4030 - Technical data



- LED Area Light with camera hole for continuous / switch operation
- light field 400 mm x 300 mm x D50 mm
- light guide technology with 80 laterally coupled Power LED
- 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 |
|----------|-----------------|---|-----------------------|
| LGCB4030 | 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 | 4,0 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 | 5,5 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 255 of the main product catalogue](#)

Area Light LGCB4030 - Technical drawing

