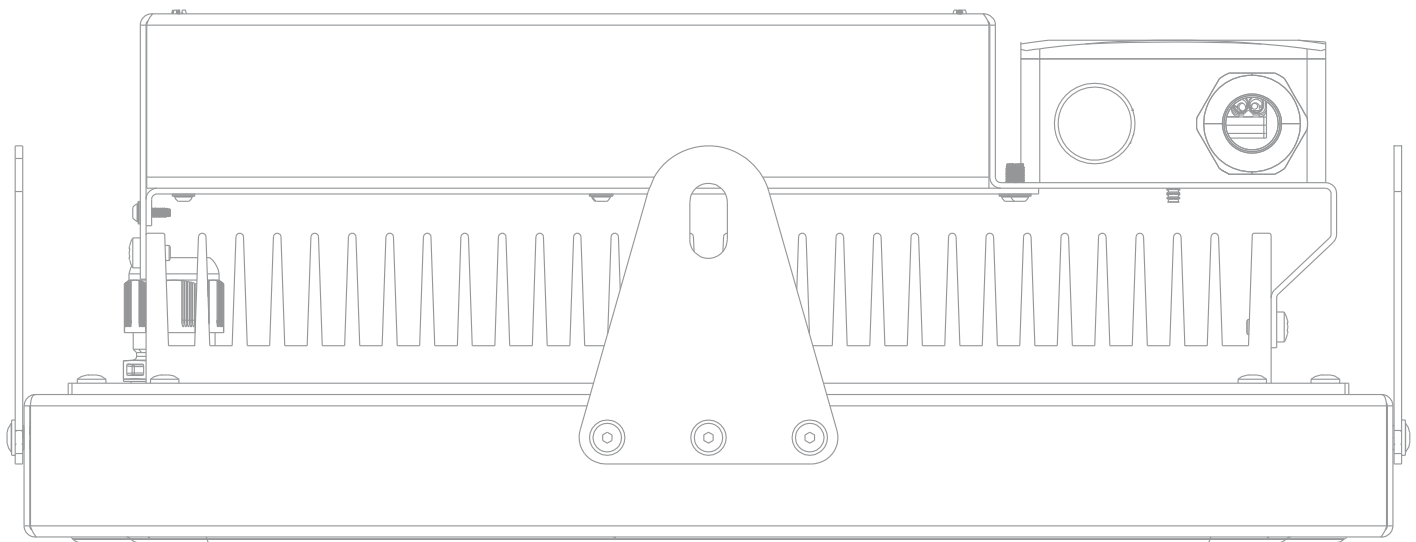


HIGH EFFICIENCY  
LED COMMERCIAL LIGHTS



# TERRALITE LCL<sup>®</sup> 90



Robust housing and fast mounting  
Cutting edge light performance  
Very low energy consumption  
Environmentally friendly ECO technology  
Gas stations, warehouses, production areas, shopping centers, sport facilities

efficiently illuminating your way

**GRAH<sup>®</sup>**  
LED LIGHTING



# 360° Approach

With our own and **integrated 360° Approach™**, every single component of the luminaire is studied and constantly optimized from a totally new perspective to achieve unique innovative solutions in LED lighting.

**Luxeon Rebel LEDs** - top quality, awarded LEDs

**LED GENION bar™** - optimized LED modules exploiting every LED source to the fullest extent

**QUADRUN optics™** - high efficient reflector directs light beams exactly where needed for achieving cutting edge light performance

**I-NFINITY driver™** - customized, intelligent driver for optimal operation with ultra energy efficient output

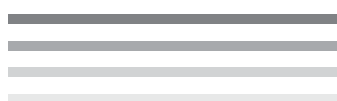
**MATRIX 3D light™** - unique light shape with symmetric distribution of luminosity for best possible light uniformity and optimal covering of surfaces

**COOLVERT™** - uniquely optimized heat dissipation extends life time and preserves light performance

**ROBUST housing** - cast aluminium in combination with high strength steel with different RAL color shades possible

Additional **scatterglos reflector** to prevent glare

## DIMMING

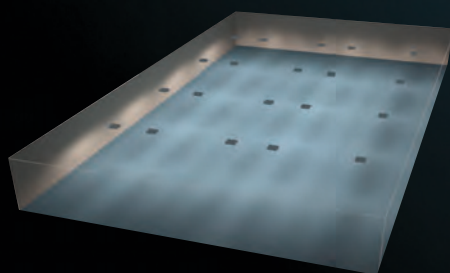
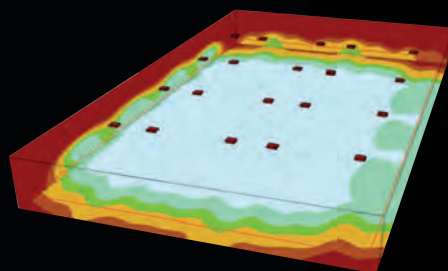


50% dimming with power line.

The luminaire has also ability to regulate light current from 1-100% with a rudder signal from 1-10 V.

## APPLICATION

- Gas stations
- Warehouses
- Production areas
- Shopping centres
- Sport facilities



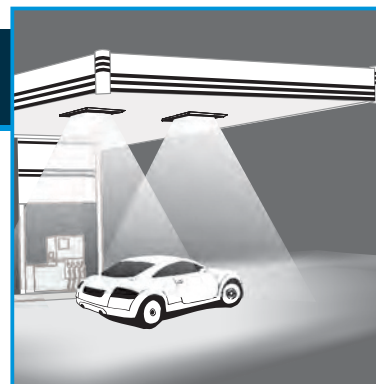
Illuminance [lx]



## TECHNICAL DATA

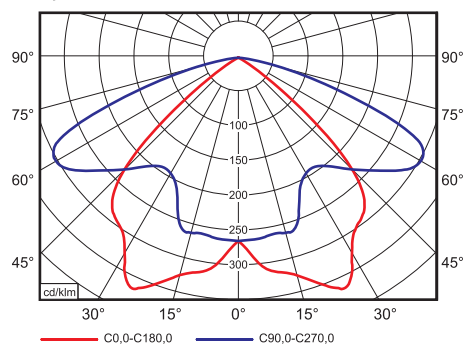
### TERRALITE LCL<sup>®</sup> 90

Light source	90 high power LEDs by Lumileds
Voltage	110 – 250 V (50 – 60 Hz)
Driving current	400 or 500 mA
Power consumption	106 – 136 W (depending on lumen package)
Luminaire flux	12,700 - 14,300 lm
Colour temperature	4200 K (other colour temperatures on request)
System luminous efficiency	Up to 100 lm/W
Optic pattern	Wide or narrow with less glare
Lifetime	60,000 – 100,000 hours
Ingress protection	IP54 (IP65 on request)
Shock protection	IK08 (IK10 on request)
Protection class	I
Temperature range	-30 to +60 °C
Operating temperature	+55 °C
Material	Housing: cast aluminium with high strength steel Housing sealing: silicone, heat resistant Cover: PMMA glass
Housing colour	RAL 9016 (other colours on request)
Dimming	0 % / 50 % / 1 – 10 V
Weight	10.70 kg
Product dimensions (LxWxH)	435 mm x 365 mm x 141 mm

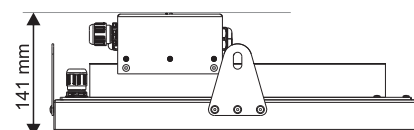
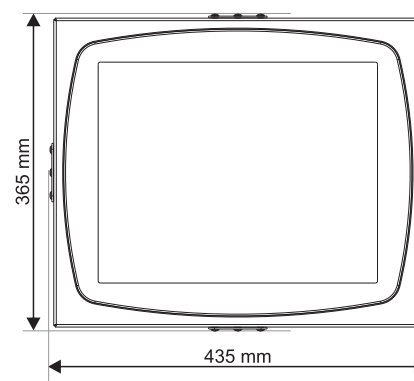
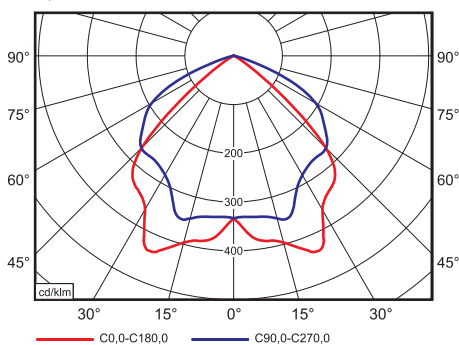


### LIGHT DISTRIBUTION

Symmetric, 14,300 lm, SA reflector



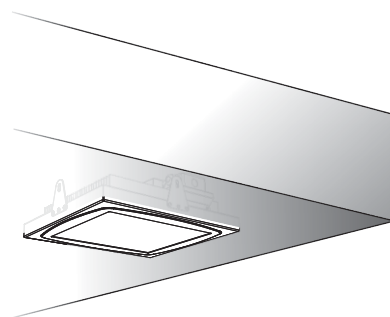
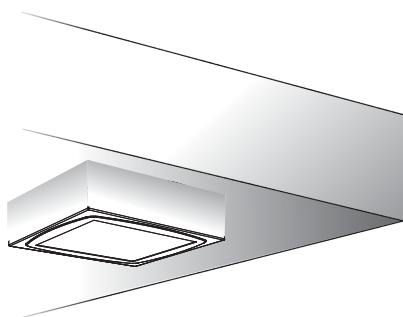
Symmetric, 14,300 lm, SB reflector



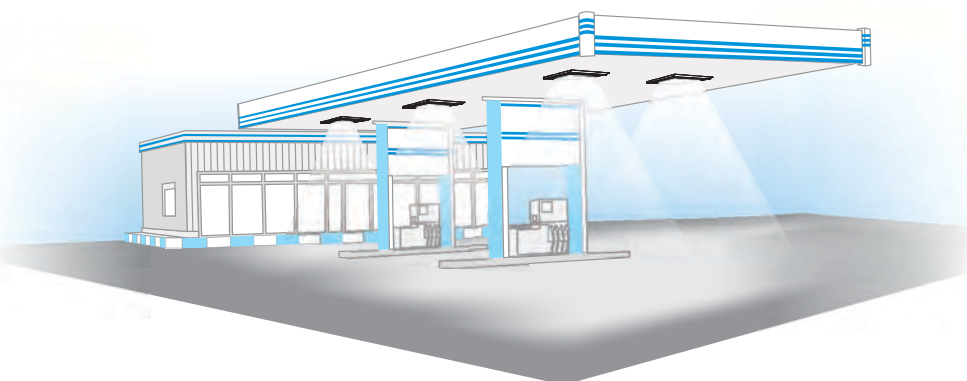
## MOUNTING

LCL<sup>®</sup> series together with recommended mounting height offers optimal solutions for all applications.

- Fast and universal mounting with 4 fixing points under construction or directly screwed to construction.
- Top ceiling mounting frame.
- Flush ceiling mounting frame.
- Alternative mounting concepts possible on request.



min 4 m



Distributor



[www.grahlighting.com](http://www.grahlighting.com)

Manufacturer reserves all rights to make changes in materials and components used in its products.  
All data are subject to change without prior notification.

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LED LIGHTING