



LED INDUSTRY LIGHTING

Parking Garages

Innovative LED technology on every level





Innovative HELLA LED technology coupled with optimised lighting technology provides lower-cost illumination in the parking sector.

With the Eco IndustryLine product range, HELLA has applied its knowledge of LED technology from the area of automotive lighting to a different environment. By using various different light housings and custom-designed lenses HELLA's proven LED modules can be installed on an individual basis. A modular concept for improved illumination and a heightened feeling of security.

The module and the lenses

The modular design allows the lighting module to be decoupled from its housing. The integrated ballast and a single plug connector enable the module to be replaced easily at any time in accordance with the Plug & Play principle.



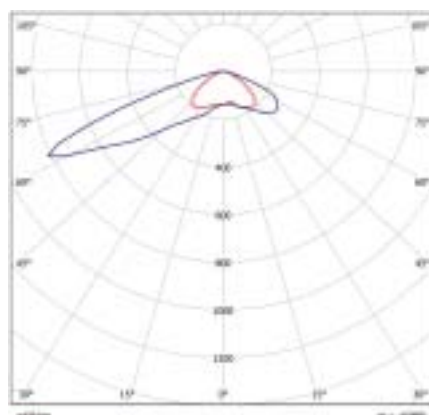
P lens: Rectangular asymmetrical distribution, specially designed to provide illumination in parking garages, underground garages and redevelopments.



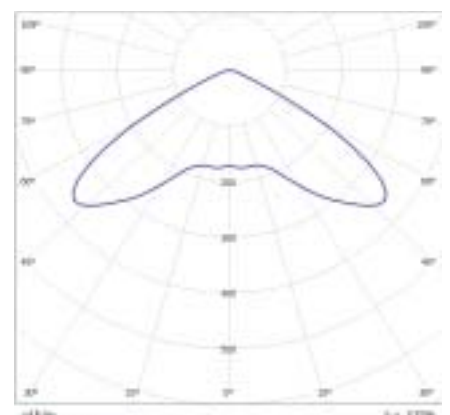
I lens: Broad, rotationally symmetrical light distribution for wide-ranging, universal use. Ideal for filling stations, parking garages and parking decks.

Light distribution diagram

- Guarantees optimal illumination of parking bays and driving areas
- High homogeneity creates greater perceived brightness



Rectangular, asymmetrical distribution



Rotationally symmetrical distribution

Cost savings

Based on 500 parking spaces

	Parking garage With an illumination period of 12 hours (h/day)		Underground garage With an illumination period of 24 hours (h/day)	
	LED module	T8	LED module	T8
Consumption per light	17 W	63 W*	17 W	63 W*
Service life	50,000 h (L 80)	12,000 h	50,000 h (L 80)	12,000 h
kWh p.a.	18,615	68,985	37,230	137,970
CO ₂ emission p.a.	10.5 t	38.8 t	21.0 t	77.7 t
ENERGY SAVINGS	73 %		73 %	

* incl. ballast

Reference locations

- Hirschberg
- Augsburg
- Friedrichshafen
- Ingolstadt
- Munich
- Rotkreuz, Switzerland
- Heidelberg
- Erlangen
- Kempten
- Hamburg

Housing for ceiling installation

Quick to install, maintain and connect

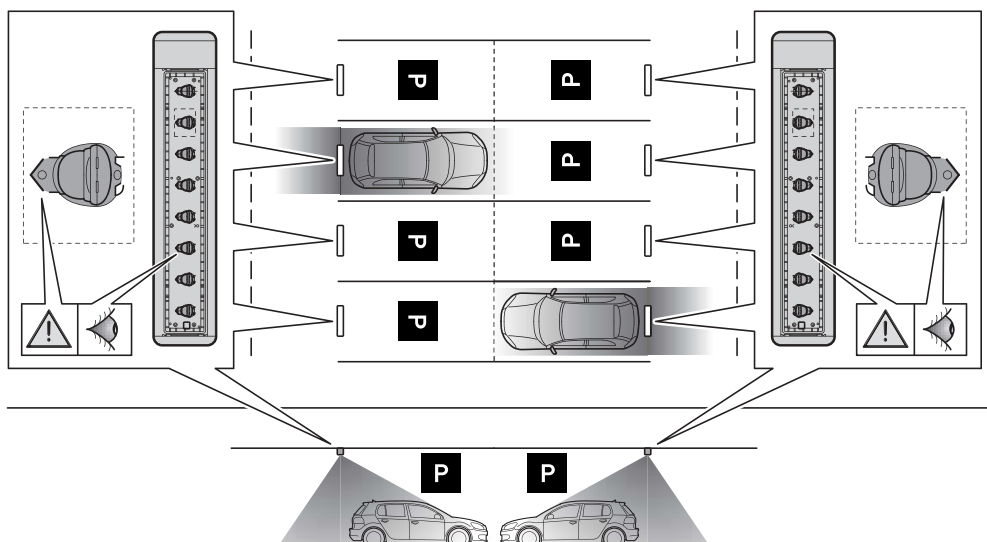


The housing for ceiling installation is available in various designs for different application areas:

As an individual module functional light with 1,250 lm and 17 watt power consumption, as a dual module functional light with 2,500 lm and 34 watt, and for use in entry and exit areas with 5,000 lm and 68 watt power consumption.

Homogeneity

The key to optimal illumination is ensuring that light distribution is always adapted to the area of use. This requires the light to be used efficiently while also minimising the formation of shadows. The larger area covered by the lights facing the parking bays ensures that these are always illuminated in full, whereas the illumination range is reduced in driving areas to prevent glare.





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922 999 132-363 KB/03.12/2.5
Printed in Germany

Foto: GOLDBECK, Bielefeld

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