

CARMEN

Your choice for high quality retail lighting

CARMEN is a completely new hybrid reflector and lens design. It takes better advantage of light emitted by a light source, reduces glare and protects the COB from tampering and dust. This – when compared to metal coated reflectors – results in improved optical performance, sharp cutoff and minimized spill light.



NEW

CARMEN-RS

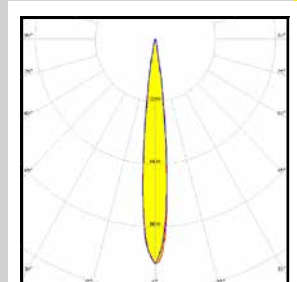
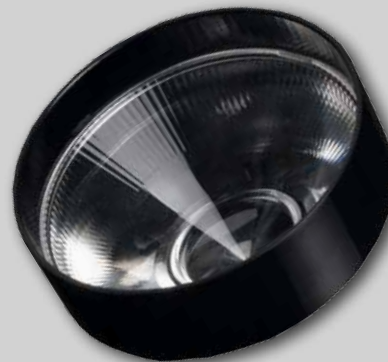
Premium quality 10° spot for retail lighting

FEATURES

- Hybrid design of lens and reflector providing high quality light performance
- Even as tight as 9° or 10° beam depending on the LED
- Ideal for retail lighting with clean cutoff, minimized spill light and low glare
- Ø70 mm, H 36 mm
- HEKLA bayonet (twist and turn) mounting

TYPICAL APPLICATIONS

- Retail
- Architectural
- Track and spot lighting



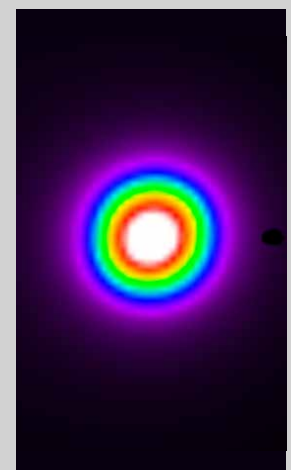
CARMEN-RS

BEAM EXAMPLE

LED: SAMSUNG LCO2C
LES size: 8 m
FWHM: 11°

Amount of light on different angles:

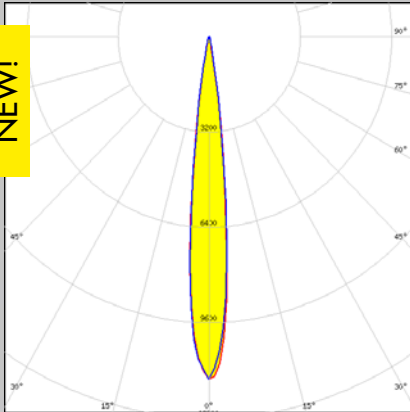
0-10°	70.3 %
10-20°	13.7 %
20-30°	7.5 %
30-40°	5.6 %
40-50°	2.0 %
50-60°	0.5 %
60-70°	0.1 %
70-80°	0.1 %
80-90°	0.1 %



COMPATIBILITY

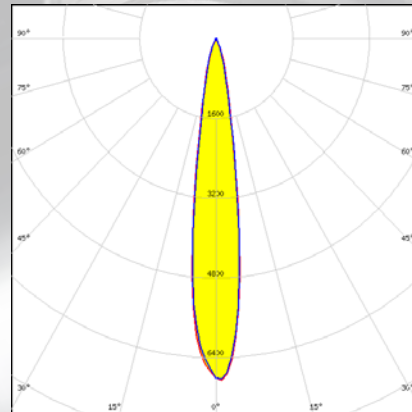
- Optimized for 6 mm and compatible with up to 11 mm LES sizes
- LEDiL HEKLA sockets and connectors when used with Holder C

NEW!



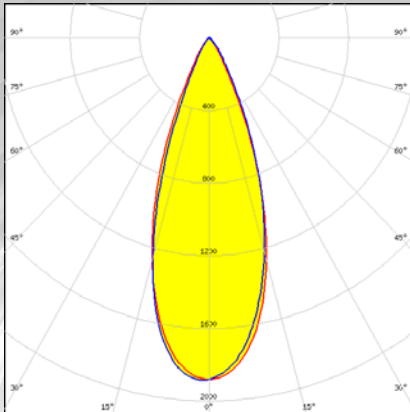
CARMEN-RS

- Premium quality 10° spot beam for retail lighting
- Typical FWHM: 10°



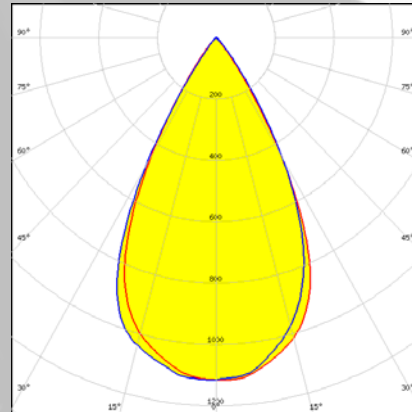
CARMEN-S

- 10° spot beam with recommended 6mm LES
- Accent lighting
- Typical FWHM: 12°



CARMEN-M

- Medium beam with around 30-35° light distribution
- Wider spotlights and downlighting from higher heights
- Typical FWHM: 44°



CARMEN-W

- Wide beam with 50° light distribution
- General tracklights and downlighting applications
- Typical FWHM: 57°

ORDERING INFORMATION

Consult www.ledil.com/carmen for ordering codes and latest product specifications, which may vary by LED.