PRODUCT RELEASE



CARMEN

Your choise 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.

FEATURES

- Redefined performance with hybrid reflector and lens design
- Smooth cutoff, low glare, minimized spill light
- Patent pending design protects the COB from tampering and dust
- Comes with black reflector especially optimized for low UGR applications
- Standard retail and track lighting beams available

TYPICAL APPLICATIONS

- Track lighting
- Retail and supermarkets
- Outdoor architectural
- General indoor lighting

DESIGN EXAMPLE

Optics: CARMEN-S		
Efficiency:	75%	
Luminous flux (Luminaire):	603 lm	
Power:	6.3W	
Luminous efficacy:	96 lm/W	1
No. of luminaires:	48 pcs	
Mounting height:	2.8m	-
Spacing between luminaires:	0.65m	
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Optics: CARMEN-M		
Efficiency:	80%	
Luminous flux (Luminaire):	2241lm	
Power:	22W	
Luminous efficacy:	102 lm/W	
No. of luminaires:	25 pcs	E
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Mounting height: Spacing between luminaires: Room height: Total load on room: Total luminous efficacy: Calculation surface at 0.8m h Average: Min: Max:	3.5m 2m 3.5m 852 W 100 lm/W eight 544 lx 317 lx 969 lx	A CONTRACTOR OF A CONTRACTOR O





CARMEN FAMILY

DIMENSIONS

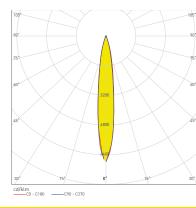
- Diameter: 70 mm
- Height: 36 mm

COMPATIBILITY

- LES sizes up to 11mm
- Holder B: 3rd party connectors from BJB and Stucchi Holder C: LEDiL HEKLA

CARMEN-S

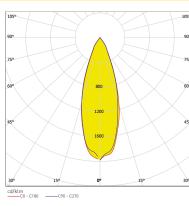
- 10° spot beam with recommended 6mm LES
- Accent lighting
- Typical FWHM: 12°





CARMEN-M

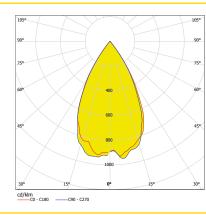
- Medium beam with around 30-35° light distribution
- Wider spotlights and downlighting from higher heights
- Typical FWHM: 44°





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.