



STELLA Street Light – Where low-cost lumens meet the toughest of materials

When we started to design the STELLA lens for street lighting, we wanted to give our customers the full benefits of cost-effective COBs without surrendering our principles of comfortable and functional lighting. To meet our design goals we looked into new materials and discovered optical grade silicone. New innovations in production technology allow us to manage light with almost surgical precision. Superior thermal properties and self-sealability make this lens the ideal choice for a range of lighting applications.

FEATURES

- Self-sealing design simplifies luminaire design
- Very good thermal and UV resistance
- Type II / Type III light distribution depending on a LES size
- Precise light control and good cut-off
- Excellent efficiency

TYPICAL APPLICATIONS

- Street lighting
- Area lighting
- Walkway lighting

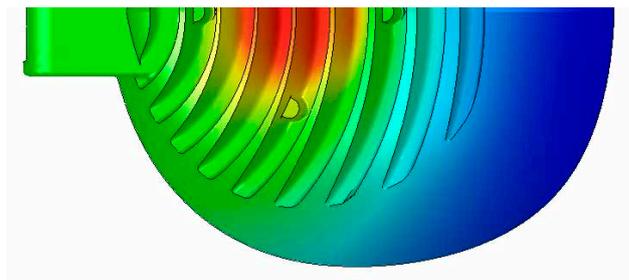
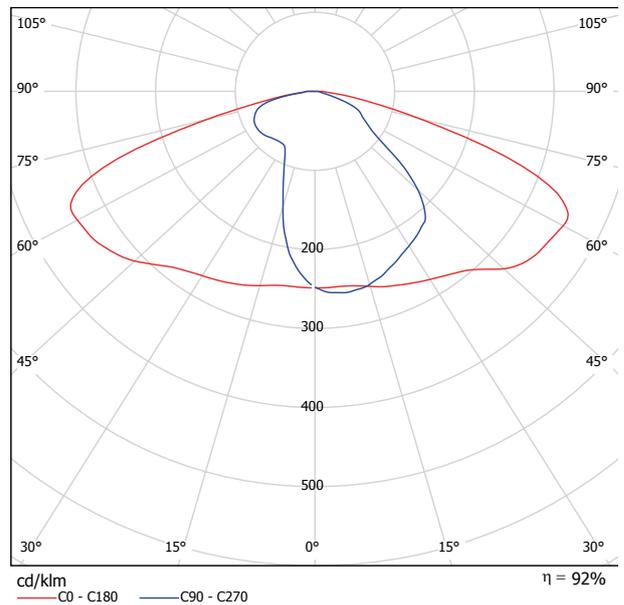
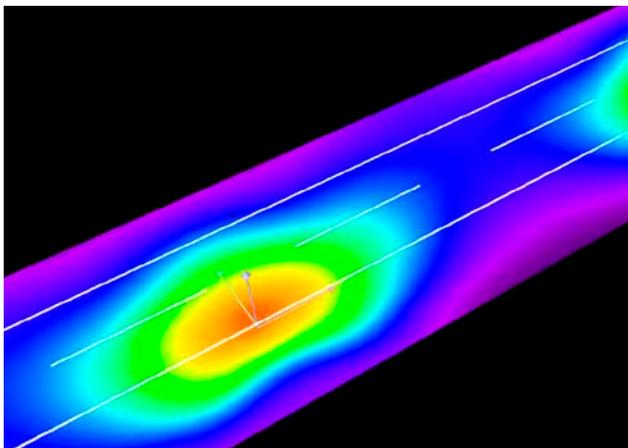


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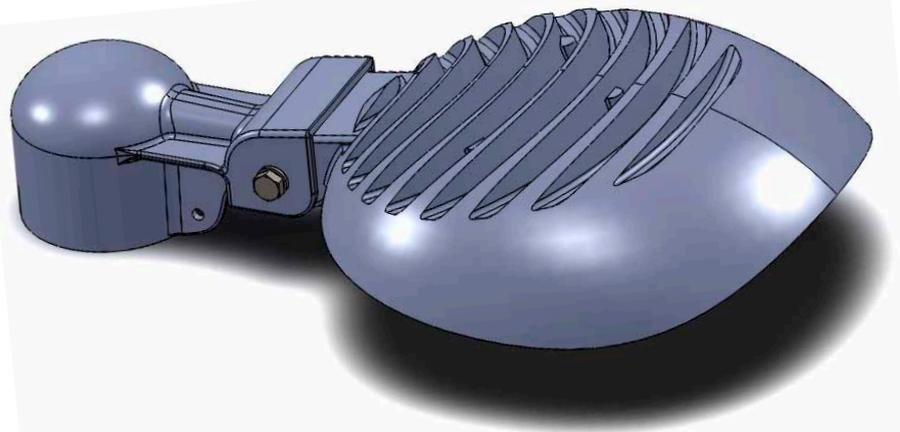
DESIGN EXAMPLE

The luminaire is designed to be simple and quick to manufacture. One of the targets was to utilize the properties of silicone material and achieve an IP rating up to IP67.

- Road lighting class: European ME3a
- Cree CXA25 COBs
- Luminous flux 10 klm
- IP rating up to IP67



Optical + mechanical
+ thermal efficiency
through innovation in
design and materials!



Tarmac: R3, q0: 0.070
Selected Lighting Class: ME3a
(All lighting performance requirements are met.)

	Lm [cd/m ²]	U0	U1	TI [%]	SR
Calculated values:	1.19	0.42	0.73	13	0.67
Required values according to class:	≥ 1.00	≥ 0.40	≥ 0.70	≤ 15	≥ 0.50
	✓	✓	✓	✓	✓

ORDERING INFORMATION

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