FREE FORM DESIGNS

AROUND 50 BEAMS FOR STREETS

EXTENSIVE CUSTOMER SUPPORT

HIGH QUALITY

PATENTED INNOVATIONS

GLOBAL SOLUTIONS

MODULARITY

FREEDOM OF DESIGN

Typical usage
~1200 lm output @ 8W / lens array
Needs typical thermal design to remain efficient

High density usage
~2400 lm output @ 16W / lens array
Needs excellent thermal design to remain efficient

5050, 8-chip plastic
4W / 600 lm or
2W / 300 lm

3525 Ceramic
2W / 300 lm

3030, 2-chip plastic
1W / 150 lm

3030, 1-chip plastic
0.5W / 75 lm

50 x 50 mm

Ceramic package LED

Robustness / Efficacy (lm/W)

Plastic package LED

ALLOWS EASY AND FLEXIBLE COST AND EFFICACY OPTIMIZATION

WHY LEDiL?

The world is full of different roads and strict street lighting requirements. Add to this different LED package preferences and mechanical size limitations and possible combinations multiply exponentially. That is why LEDiL offers so many specific light distributions for road lighting to help you meet these requirements. Whether it is a tunnel in Europe or road in Brazil, we offer solutions for virtually any LED model and type; from tiny CSPs to large COBs, while keeping the optics as future proof and modular as we can, so you can keep it simple and flexible.

Make our optics the heart of your luminaire to optimize cost, efficacy and light distribution with great results!

LEDiL®

STREET LIGHTING WITH LEDiL

With the same installation and light output LEDiL light distribution is 80% more efficient than competitor equivalent!

• Needs fewer LEDs, lenses and heat sinks
• Uses less energy for a faster return on investment

LEDiL lens
Average: 18 lx
Uniformity (uO): 0.58

Competitor lens
Average: 10 lx
Uniformity (uO): 0.34

UNITED STATES PATENT NO. 7,571,100
UNITED STATES PATENT NO. 7,382,180
UNITED STATES PATENT NO. 7,071,280
UNITED STATES PATENT NO. 7,045,491
UNITED STATES PATENT NO. 6,794,305
UNITED STATES PATENT NO. 6,344,779
UNITED STATES PATENT NO. 6,328,759
UNITED STATES PATENT NO. 6,344,357
UNITED STATES PATENT NO. 6,328,758
UNITED STATES PATENT NO. 6,353,998

LIGHT THAT IS RIGHT

STRADELLA-2X2
STRADELLA-8
STRADELLA-16
### STELLA

**Ø90 mm ingress protected silicone lenses**

| T1 | IESNA Type I (medium) |
| T2 | IESNA Type II (medium) |
| T3 | IESNA Type II (long) |
| T4 | IESNA Type III (long) |

**COMPATIBILITY**

**G1:**
- T4 and DWC2, up to 23 mm LES size
- VSM up to 30 mm LES size

**G2:**
- Optimized for 23 mm LES size
- Compatible with up to 30 mm LES size
- Same footprint as with original STELLA, but with more space inside for Zhaga compliant COB connectors

**3rd party connectors available from:**
- B+W, BJB, TE and Stucchi

35 x 35 mm single lenses and 8X1 arrays made from silicone.
STRADA

The most versatile modular product family especially designed for street lighting

SQ
25 x 25 mm
up to 7070 size LED packages
T2 T2-B T3 T3B T4 T4-B VSM A-T
ANZ-P ANZ-V T-DWC T-DW FW SCL PX ME

2X2
50 x 50 mm
up to 5050 size LED packages
T1 T1-M T2 T2-M** T3 T3-M** T4 T4-B FW SCL PX A-T
T2-C/C2** T2-M** T3-M** T4-B* T4-B** SCL** PXL SCL ME

IP-2X6
173 x 71.4 mm
up to 5050 size LED packages
T2 T2-B T2-L T3 T3-B T3-L T4-B VSM DWC FW SCL PX ME

MX/S
90 x 90 mm
ingress protected
Number of lenses in an array:
T2 T2-C T2-M T2-S T3 T3-M
versions in silicone:
T4 T4-B VSM DWC/2 SCL

Cost-efficient product family of single lenses and dense lens arrays

SITARA

COMPATIBILITY

optimized for high-power 5050 size LED packages

SINGLE
14 x 14 mm

16
50 x 50 mm

14
253 x 74 mm

IP-64
Ingress protected

SINGLE
14 x 14 mm

50 x 50 mm

2X2

COMPATIBILITY

optimized for high-power 5050 size LED packages
HOW TO READ POLAR CURVES

0° to 180° (red): Light along the road

90° to 270° (blue): Light across the road

The polar curve can be used to estimate optimal beam for installation

MH = Mounting height unit

TECHNICAL SUPPORT

Simulations to show optic performance in real applications

Guides and tips for installations

Thermal analysis for luminaire designs

Free for all our customers

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