FREE FORM DESIGNS

AROUND 50 BEAMS FOR STREETS

PATENTED INNOVATIONS

CUSTOMER SUPPORT

GLOBAL SOLUTIONS

MODULARITY

HIGH QUALITY

FREEDOM OF DESIGN

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

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

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

3535 Ceramic
2W / 300 lm

3030, 2-chip plastic
1W / 150 lm

3030, 1-chip plastic
0.5W / 75 lm

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.

Welcome to LEDiL - the heart of your luminaire!

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

<table>
<thead>
<tr>
<th>Average</th>
<th>Uniformity (uO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 lx</td>
<td>0.58</td>
</tr>
</tbody>
</table>

Competitor lens

<table>
<thead>
<tr>
<th>Average</th>
<th>Uniformity (uO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lx</td>
<td>0.34</td>
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</tbody>
</table>

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

Ø90 mm ingress protected silicone lenses

STREET LIGHTING BEAMS AVAILABLE

G1
- T4
- VSM
- DWC2

G2
- T2
- T3
- T4
- VSM

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.

JENNY

COMPATIBILITY

Up to 7070 size LED packages.

STREET LIGHTING BEAMS AVAILABLE

FT65
FT45
CY
T4
STRADA

The most versatile modular product family especially designed for street lighting

**SQ**

- 25 x 25 mm
- up to 7070 size LED packages

- ANZ-P
- ANZ-V
- T-DWC
- T-DW
- FW
- PX
- ME
- FT

Designed to be used with an adhesive tape

**2X2**

- 50 x 50 mm
- up to 5050 size LED packages

- T1
- T2*
- T2-C/C2**
- T2-M
- T3*
- T3-M
- VSM*
- A-T
- DWC
- DNW
- FW
- NHS
- SCL*
- PX
- PXL
- ME*
- ME-N
- ME-WIDE1
- ME-WIDE2
- MEW
- FN
- FS3
- FR
- TF
- B2
- CY
- CAT
- CAT-B
- DN
- XW

*variant available for CSP LEDs
**variant available for flat 5050 size LED packages

**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

Number of lenses in an array:
4
8
16

versions in silicone

**MX/S**

- 90 x 90 mm
- ingress protected

- MX: up to 7070 size LED packages
- MXS: also for up to 9 mm COBs
- 8MX: for flat 5050 size LED packages
- 16MX: for CSP LEDs

Ingress protected

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

**COMPATIBILITY**

All STRADELLA versions:
For up to 3535 size mid- and high-power LEDs and CSP LEDs.

STRADELLA-8-HV versions available with longer location pin distance (47.4 mm) allowing high voltage circuit designs.

Shorter location pin distance (45 mm) available from all STRADELLA-8 versions except ME-N,CY.

**IP-16**

100 x 60 mm
Ingress protected

**IP-28**

100 x 100 mm
Ingress protected

Cost-efficient product family of single lenses and 2x2 lens arrays with ingress protection

**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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