FREE FORM DESIGNS
EXTENSIVE CUSTOMER SUPPORT
HIGH QUALITY
PATENTED INNOVATIONS
GLOBAL SOLUTIONS
MODULARITY

AROUND 50 BEAMS FOR STREETS

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!

LIGHT THAT IS RIGHT

LEDiL®

FREEDOM OF DESIGN

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

STREET LIGHTING WITH LEDiL

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

5050, 8-chip plastic
3535 Ceramic
3030, 2-chip plastic
3030, 1-chip plastic

4W / 600 lm or
2W / 300 lm
1W / 150 lm
0.5W / 75 lm

50 x 50 mm

System cost / Efficacy (lm/W)

ALLOWS EASY AND FLEXIBLE COST AND EFFICACY OPTIMIZATION

Ceramic package LED
Greater robustness

Plastic package LED
Lower robustness

STRADELLA-2X2
STRADELLA-8
STRADELLA-16

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BEAMS FOR STREET LIGHTING

STELLA
Ø90 mm up to IP67 silicone lenses

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.

STREET LIGHTING BEAMS AVAILABLE

ME-WIDE1
For staggered pole setups fulfilling EN13201 M-class requirements, added house side backlight

ME-WIDE2
For staggered pole setups fulfilling EN13201 M-class requirements

MEW
Extremely low glare fulfilling EN13201 M-class requirements for wet road surfaces in North Europe

FN
Narrow forward throw beam for area lighting

T4
IESNA Type IV (medium)

VSM
IESNA Type V (square)

DWC2
IESNA Type III (medium)

ME
Excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements

FT45
IESNA Type II (medium)

COMPATIBILITY

STREET LIGHTING BEAMS AVAILABLE

T2
IESNA Type II (medium)

T3
IESNA Type II (medium)

T4
IESNA Type IV

T5
IESNA Type II (short)

ANZ-P
Pedestrian lighting in Australia & New Zealand

ANZ-V
Vehicular road lighting in Australia & New Zealand

DWC
IESNA Type III (medium)

DWC / T-DWC
IESNA Type III (medium)

DCW
IESNA Type III (medium)

DNW
Soft wide beam with good illuminance uniformity

MEW
Extremely low glare fulfilling EN13201 M-class requirements for wet road surfaces in North Europe

FW
Wide light distribution, residential streets, staggered pole setup

FT
Forward throw beam for area lighting

FT4
IESNA Type II (medium)

FT45
IESNA Type II (medium)

FT48
IESNA Type II (medium)

SCL
Type II/III (long), ideal for pedestrian paths and residential roads

PK
Double asymmetry, pedestrian crossings, right side traffic

PKL
Double asymmetry, pedestrian crossings, left side traffic

PY
Double asymmetry, pedestrian crossings, opposite direction traffic

JENNY
Ø90 mm up to IP67 silicone lenses

Up to 7070 size LED packages.
**STRADELLA**

The most versatile modular product family especially designed for street lighting

**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 and CY.

**THE WORLD’S NO. 1 STREET LIGHTING OPTICS PROVIDER**

**LEDiL®**
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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technical.support.us@ledil.com (NORTH AMERICA)
technical.support.rus@ledil.com (RUSSIA)