LEDiL

LEDiL • APPLICATION NOTE

APPLICATION NOTE

STRADA is our most comprehensive product family with wide variety of different beams suitable for both outdoor and indoor lighting. The standardized modules are available in 2X2, 1X6 and 2X6 layouts as well as in two different single format. The latest additions to the product family includes silicone versions for increased durability and thermal resistance. Being especially designed for street lighting they provide highly efficient and uniform lighting.

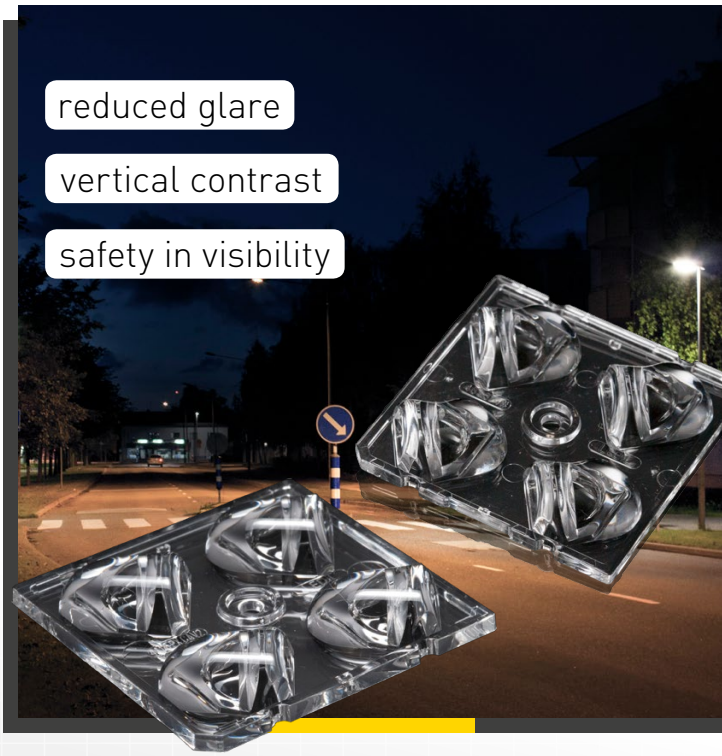
For more information about simulations:
tech.support@ledil.com

STRADA-2X2-PX and -PXL

- Dimensions: 50x50mm, Height: 8mm
- Special optics designed for illuminating pedestrian crossings, no need for directing poles separately
- Works with typical pole setups without the need to direct poles
- Adequate illumination and contrast on a vertical plane, making it easier for drivers to notice crossing pedestrian over a longer distance
- PX for right and PXL for left side traffic
- Designed to meet official European pedestrian crossing requirements
- Highly uniform illumination on the crossing area
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +100°C

COMPATIBILITY

- Optimized for 3535 and compatible with up to 5050 size LED packages



TYPICAL APPLICATIONS

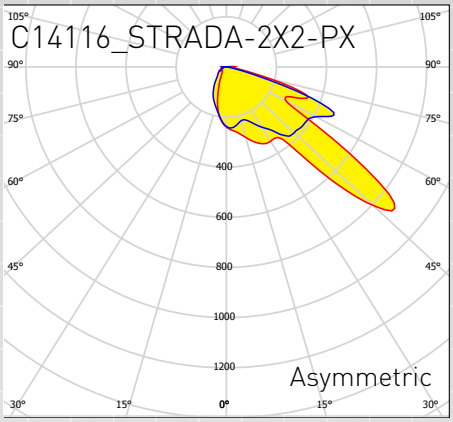
- Pedestrian crossings

PEDESTRIAN CROSSING LIGHTING

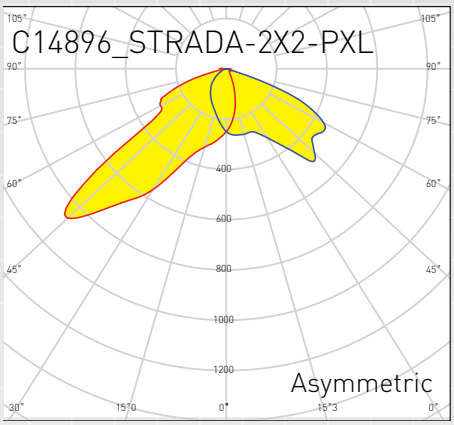
APPLICATION EXAMPLE

Luminaire type	Street light
Mounting height	6m
Road width	8m
Driving lane	Right (1), Left (2)
Luminous flux (Luminaire)	5170lm
Boom length	0m
Distance Pole to Roadway	0.55m
Overhang	-0.55
Requirements	DIN 67523 compliant illuminance levels on the pedestrian crossings.

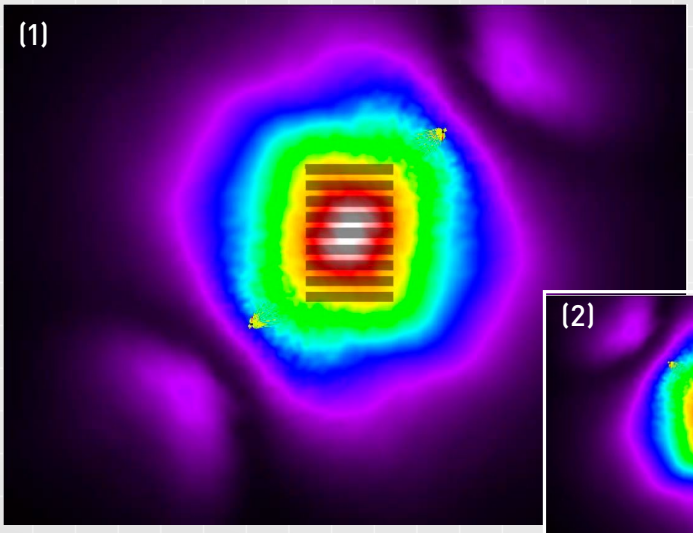
OPTICS USED

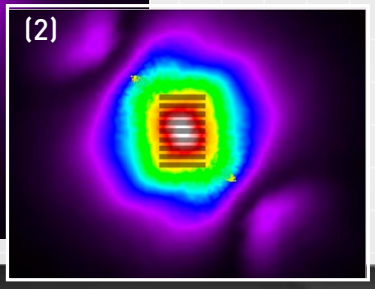


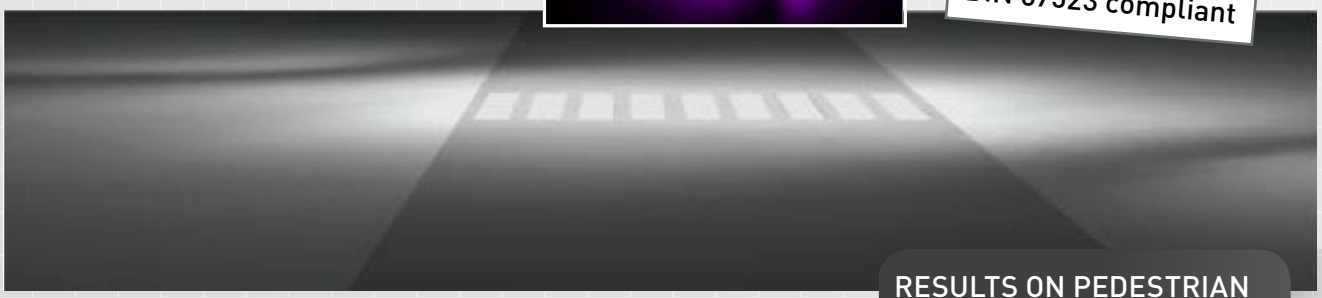
Typ. efficiency of 94%



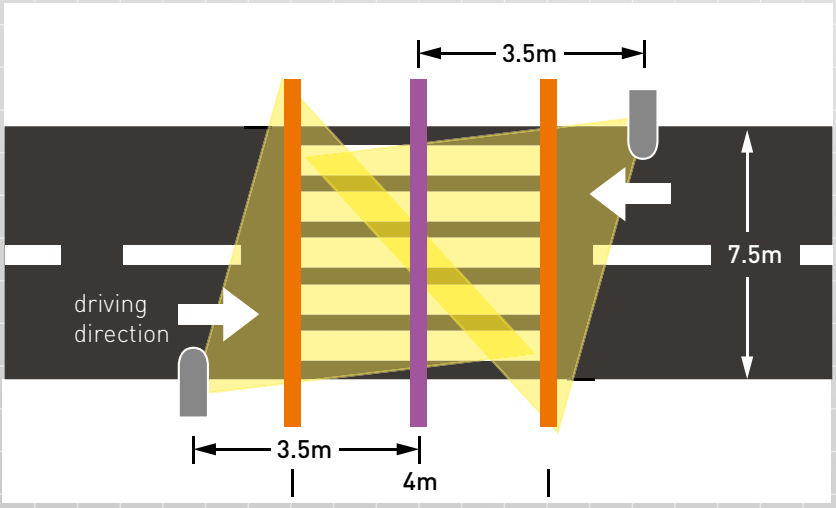
Typ. efficiency of 94%







70lx
61lx
53lx
44lx
35lx
26lx
18lx
9lx
0lx



RESULTS ON PEDESTRIAN CROSSING

Ev center line: 38lx

Ev min: 5lx

Minimum requirements DIN 67 523

- Ev ⩾ 30 lx
- Ev min ⩾ 4 lx

Beam direction