LEDiL

STRADELLA
Cost efficient street and highbay lighting

The STRADELLA product family consists of dense lens arrays and tiny single lenses with high luminous performance. Beams are especially designed for street and highbay lighting and modules are also available with a 50x50 mm footprint similar to their big sister STRADA-2X2 optics. Optimized for mid-power and compatible with high-power and CSP LEDs.

NEW

STRADELLA-16
16 lenses in a standard 50x50 mm footprint

FEATURES

- Cost efficient solution for mid-power LEDs with excellent performance from a relatively small area
- Spot, Medium and Wide light distributions especially designed for highbay applications
- Dimensions: 50x50 mm
- Made from PMMA

TYPICAL APPLICATIONS

- Industrial lighting
- Highbay lighting

DESIGN EXAMPLE

STRADELLA-16-HB-M

Efficiency:	92.6%
No. of luminaires:	72 pcs
No. of optics in luminaire:	9 pcs
Luminous flux (Luminaire):	14 693 lm
Power (Luminaire):	108.5 W
Mounting height:	12 m
Distance between luminaires:	5x5 m
Maintenance factor:	0.8
UGR at 1.6m:	Max 19

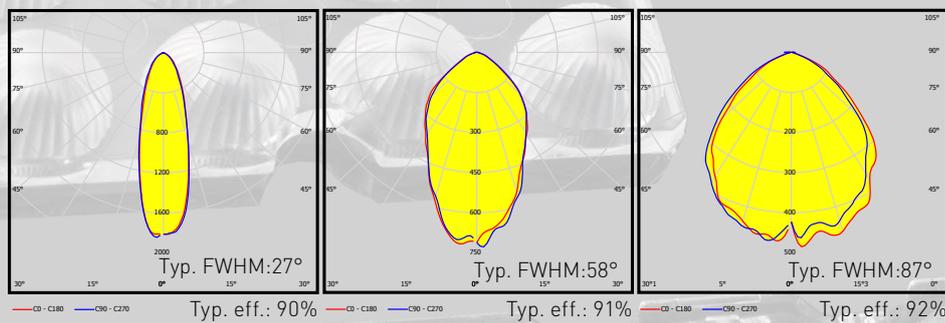| RESULTS on workplane at 0.85m height:	
Average:	452 lx
Min:	242 lx
Max:	534 lx
u0:	0.54

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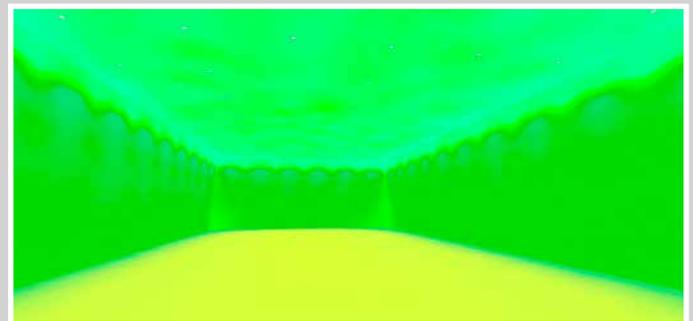
COMPATIBILITY

- Up to 3535 size LED packages
- Recommended for mid-power LEDs (thermal management must be carefully designed if used with high-power LEDs)

High Bay beams

STRADELLA-8-HB-S (+HV variant)

Typ. FWHM:27°
Typ. eff.: 90%

STRADELLA-8-HB-M (+HV variant)

Typ. FWHM:58°
Typ. eff.: 91%

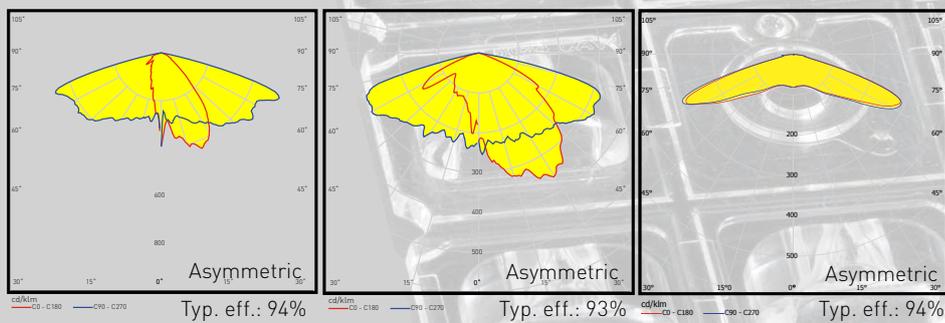**STRADELLA-8-HB-W (+HV variant)**

Typ. FWHM:87°
Typ. eff.: 92%

Also available:

Single lenses:
STRADELLA-HB-S
STRADELLA-HB-M
STRADELLA-HB-W

STRADELLA-16:
STRADELLA-16-HB-S
STRADELLA-16-HB-M
STRADELLA-16-HB-W

Street and area lighting beams

STRADELLA-8-T2

Asymmetric
Typ. eff.: 94%

STRADELLA-8-T3

Asymmetric
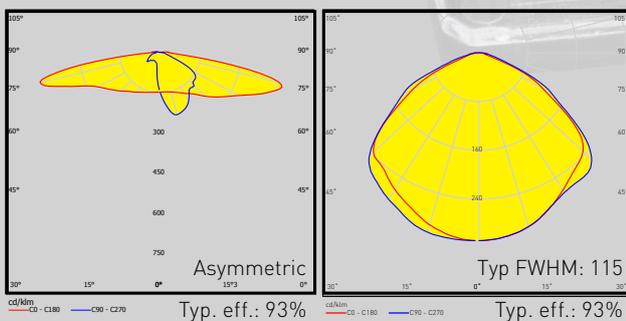Typ. eff.: 93%

STRADELLA-8-VSM

Asymmetric
Typ. eff.: 94%

Also available:

Single lenses:
STRADELLA-T2
STRADELLA-T3

STRADELLA-8:
STRADELLA-8-HV-CY
STRADELLA-8-HV-T4B

STRADELLA-8-SCL

Asymmetric
Typ. eff.: 93%

STRADELLA-CY

Typ FWHM: 115
Typ. eff.: 93%

HV = Versions with different pin locations allowing high voltage circuit designs

ORDERING INFORMATION

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