STRADELLA-8-HV-VSM

IESNA Type V (square) beam for wide areas lighting such as car parks. Variant with longer distance between location pins allowing high voltage circuit designs.
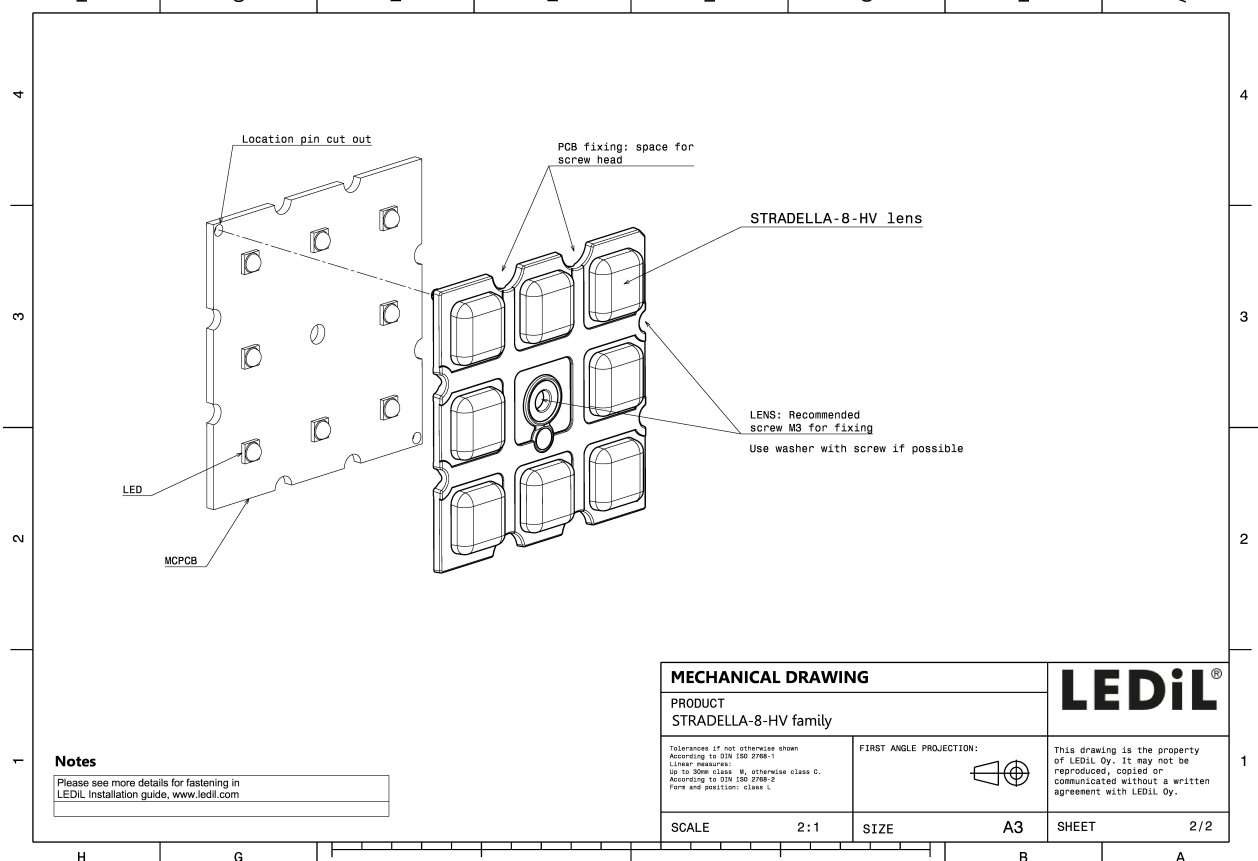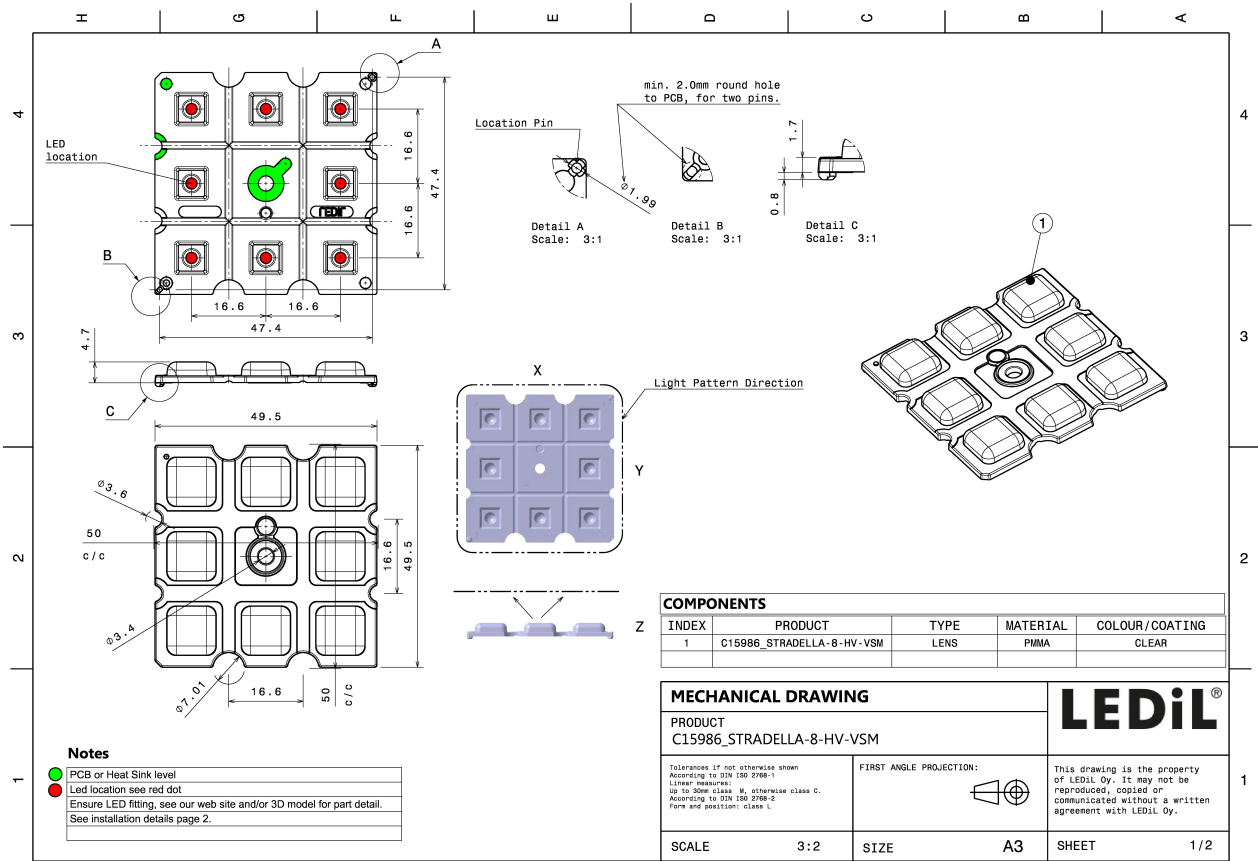

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 mm
Height	5.5 mm
Fastening	pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	5.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADELLA-8-HV-VSM	Multi-lens	PMMA	clear

min. 2.0mm round hole to PCB, for two pins.

Location Pin

Detail A
Scale: 3:1

Detail B
Scale: 3:1

Detail C
Scale: 3:1

LED location

Light Pattern Direction

Notes

- 🟢 PCB or Heat Sink level
- 🔴 Led location see red dot

Ensure LED fitting, see our web site and/or 3D model for part detail.
See installation details page 2.

COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR/COATING
1	C15986_STRADELLA-8-HV-VSM	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT
C15986_STRADELLA-8-HV-VSM

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

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SCALE	3:2	SIZE	A3	SHEET	1/2

Location pin cut out

PCB fixing: space for screw head

STRADELLA-8-HV lens

LENS: Recommended screw M3 for fixing

Use washer with screw if possible

LED

MCPCB

MECHANICAL DRAWING

PRODUCT
STRADELLA-8-HV family

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

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SCALE	2:1	SIZE	A3	SHEET	2/2

Notes

Please see more details for fastening in LEDiL Installation guide, www.ledil.com

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XD16
FWHM	136.0°
Efficiency	0 %
Peak intensity	94.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
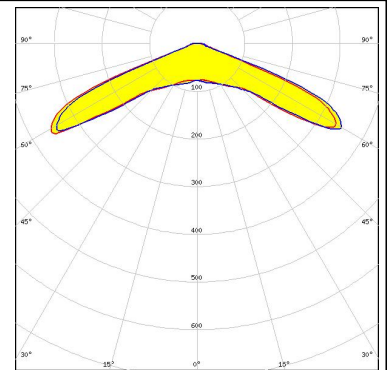
CREE

LED	XT-E
FWHM	147.0°
Efficiency	94 %
Peak intensity	0.420 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM	137.0°
Efficiency	94 %
Peak intensity	0.530 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON V2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

NICHIA
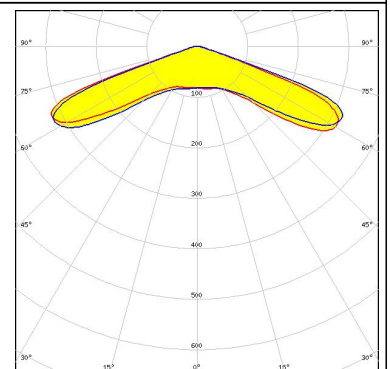
LED	NF2W585AR
FWHM	140.0°
Efficiency	94 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
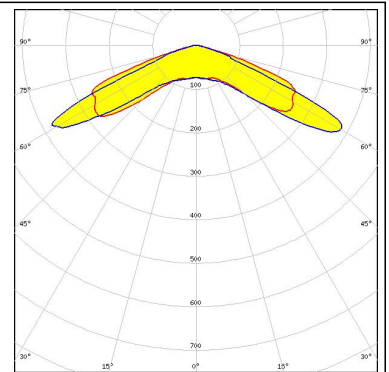
LED	NVSW219D
FWHM	145.0°
Efficiency	94 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
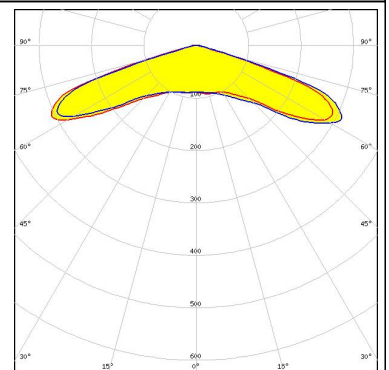
SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM	141.0°
Efficiency	94 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

CREE
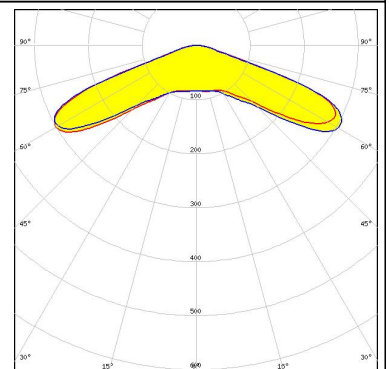
LED	XP-G2
FWHM	148.0°
Efficiency	94 %
Peak intensity	0.470 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE
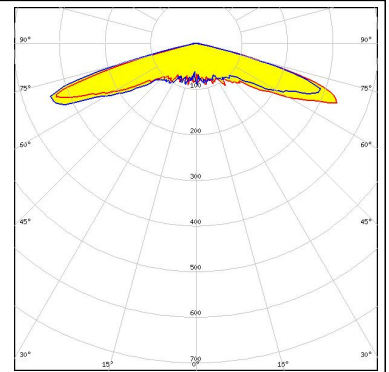
LED	XP-G3
FWHM	152.0°
Efficiency	94 %
Peak intensity	0.360 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
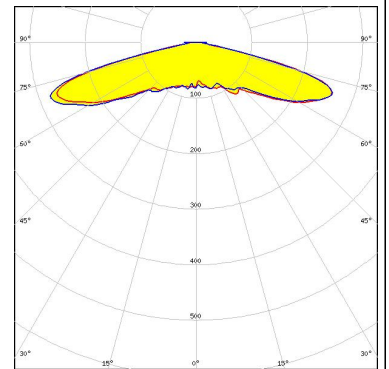
LED	LUXEON 3535 2D
FWHM	143.0°
Efficiency	94 %
Peak intensity	0.490 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON FlipChip White 10
FWHM	136.0°
Efficiency	89 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NF2x757D
FWHM	140.0°
Efficiency	94 %
Peak intensity	0.560 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	144.0°
Efficiency	94 %
Peak intensity	0.480 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG
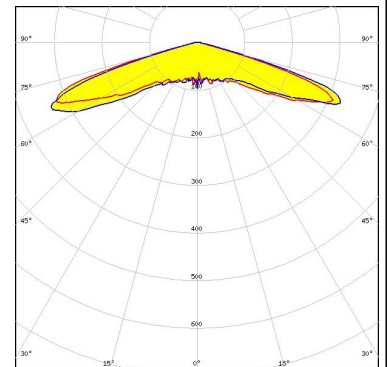
LED	LH181A
FWHM	150.0°
Efficiency	94 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG
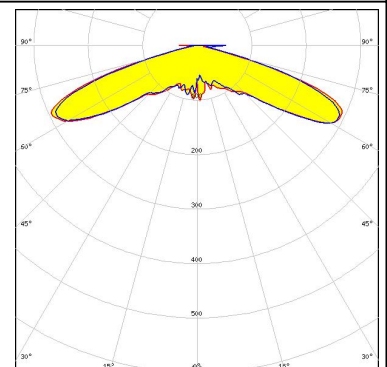
LED	LH181B
FWHM	140.0°
Efficiency	94 %
Peak intensity	0.450 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
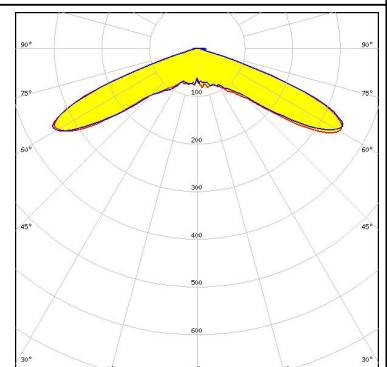
GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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