STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.



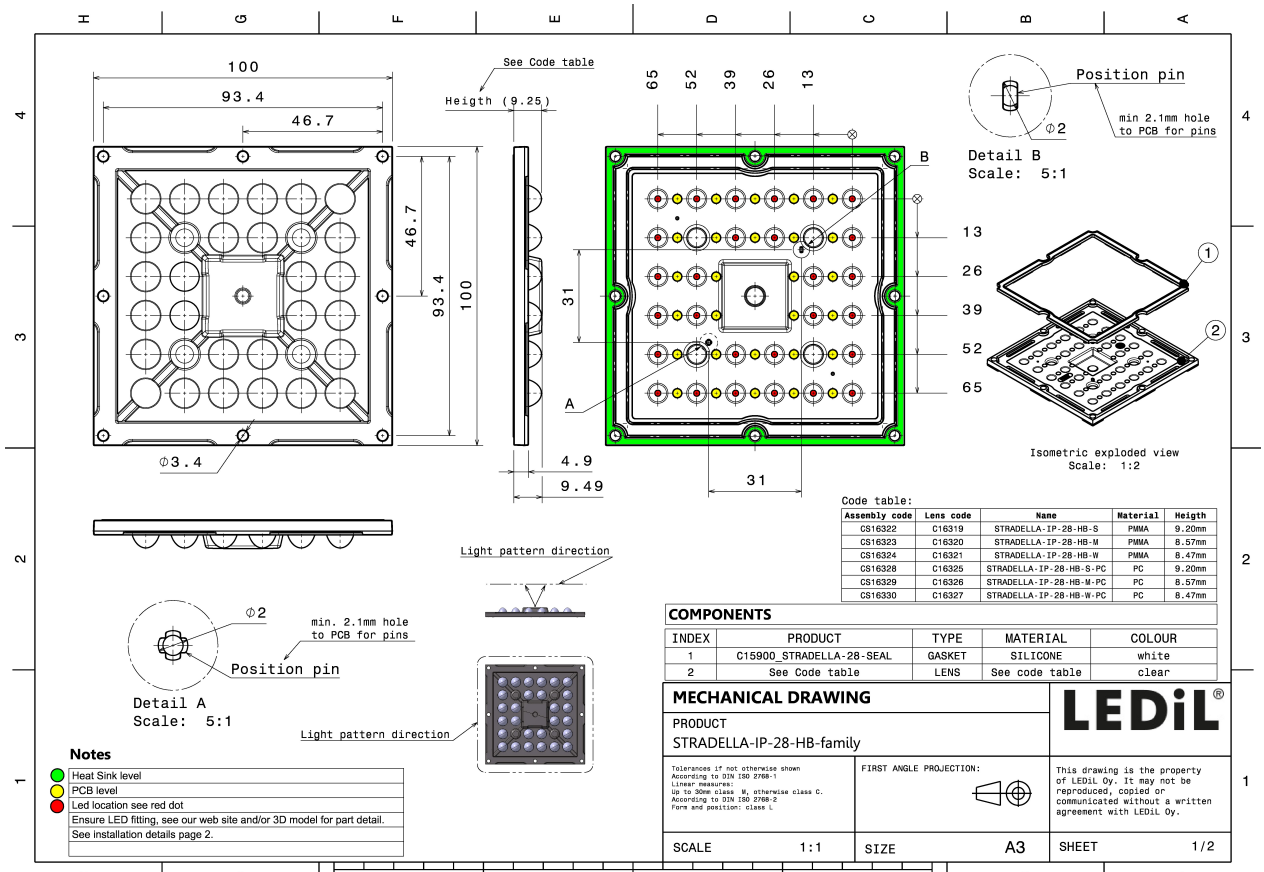
TECHNICAL SPECIFICATIONS:

Dimensions	100 x 100 mm
Height	9.5 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	5.9 kg
Quantity in Box	156 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADELLA-IP-28-HB-S	Lens array	PMMA	clear
STRADELLA-28-SEAL	Seal	Silicone	white

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Code table:

Assembly code	Lens code	Name	Material	Heigth
CS16322	C16319	STRADELLA-IP-28-HB-S	PMMA	9.20mm
CS16323	C16320	STRADELLA-IP-28-HB-M	PMMA	8.57mm
CS16324	C16321	STRADELLA-IP-28-HB-W	PMMA	8.47mm
CS16328	C16325	STRADELLA-IP-28-HB-S-PC	PC	9.20mm
CS16329	C16326	STRADELLA-IP-28-HB-M-PC	PC	8.57mm
CS16330	C16327	STRADELLA-IP-28-HB-W-PC	PC	8.47mm

COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR
1	C15900_STRADELLA-28-SEAL	GASKET	SILICONE	white
2	See Code table	LENS	See code table	clear

Notes

Heat Sink level
PCB 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.

MECHANICAL DRAWING

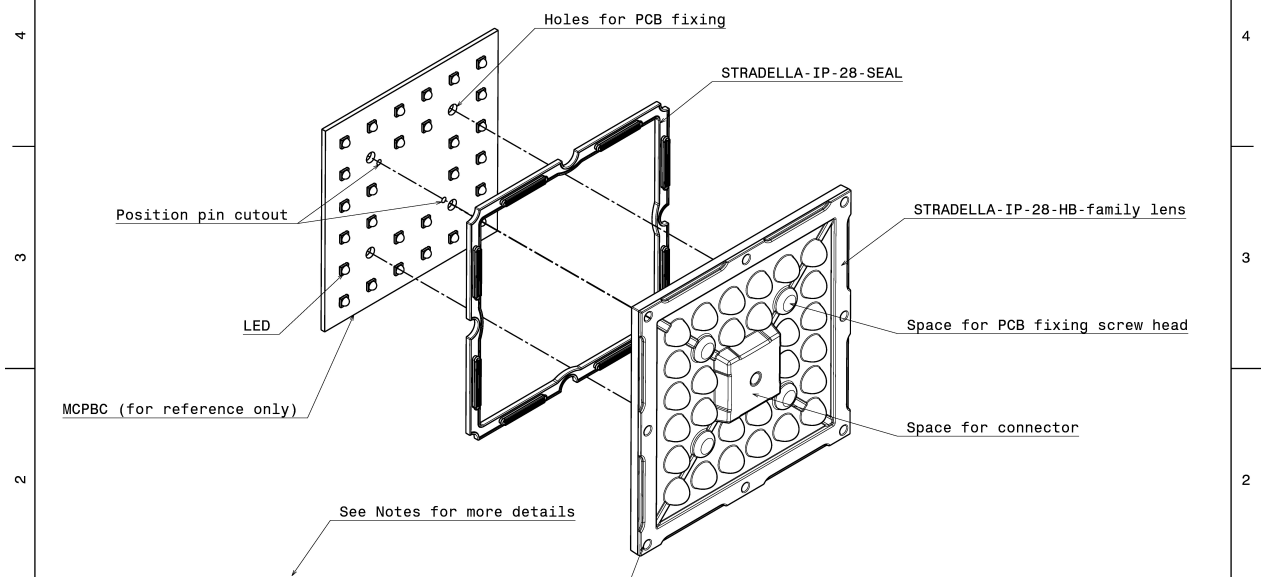
PRODUCT
STRADELLA-IP-28-HB-family

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 1:1 | SIZE A3 | SHEET 1/2



Notes

Please see more details for fastening in LEDiL Installation guide, www.ledil.com
Seal is tested to work in LEDiL´s test assemblies. Customer is recommended to test the sealing in the end product due many variables, such as heat sink surface and possible chemical traces.

MECHANICAL DRAWING

PRODUCT
STRADELLA-IP-28-HB-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 1:1 | SIZE A3 | SHEET 2/2

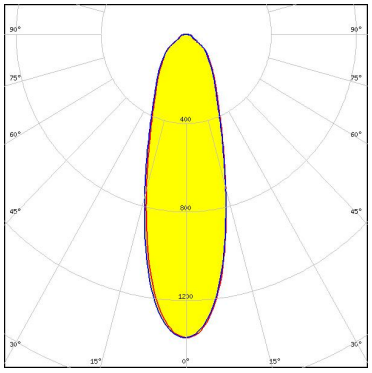
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PHOTOMETRIC DATA (MEASURED):

CREE

LED	XT-E
FWHM	32.0°
Efficiency	93 %
Peak intensity	1.400 cd/lm
Required components:	



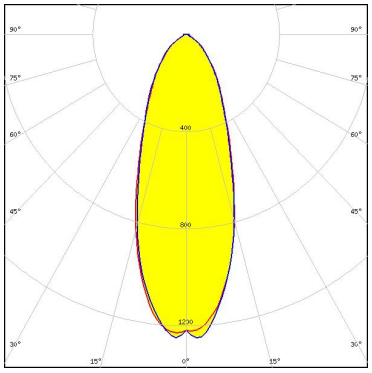


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PHOTOMETRIC DATA (SIMULATED):

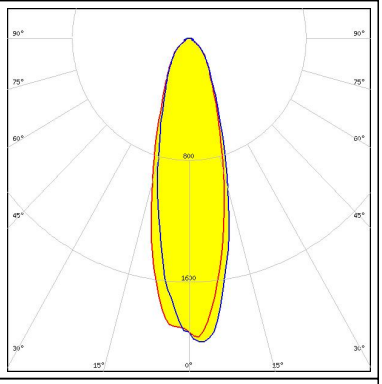
CREE

LED	XP-G3
FWHM	38.0°
Efficiency	91 %
Peak intensity	1.300 cd/lm
Required components:	



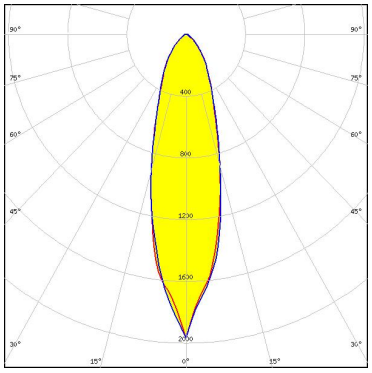
LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM	27.0°
Efficiency	92 %
Peak intensity	2.028 cd/lm
Required components:	



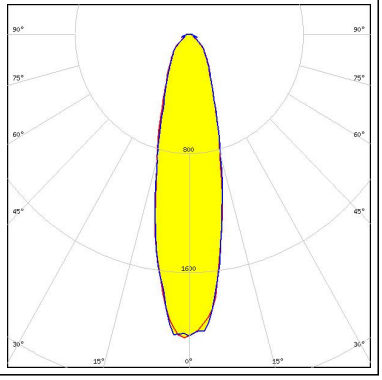
NICHIA

LED	NF2x757G
FWHM	28.0°
Efficiency	93 %
Peak intensity	1.970 cd/lm
Required components:	



NICHIA

LED	NVSxE21A
FWHM	25.0°
Efficiency	92 %
Peak intensity	2.096 cd/lm
Required components:	

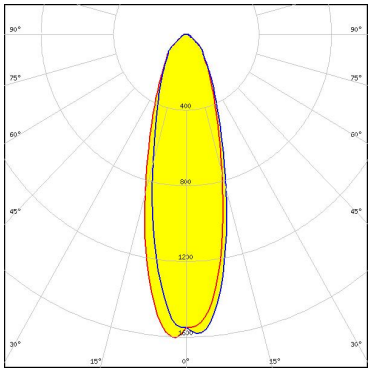


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PHOTOMETRIC DATA (SIMULATED):

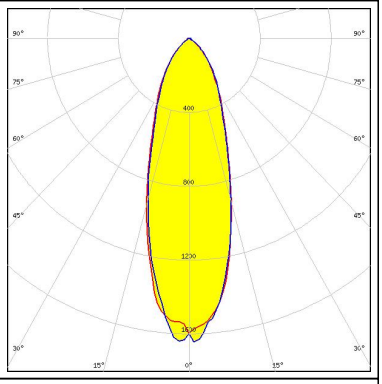
OSRAM Opto Semiconductors

LED	Oslon Square Gen3
FWHM	30.0°
Efficiency	91 %
Peak intensity	1.600 cd/lm
Required components:	



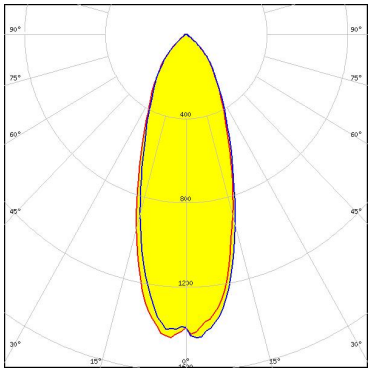
SAMSUNG

LED	LH351B
FWHM	23.0°
Efficiency	94 %
Peak intensity	1.803 cd/lm
Required components:	



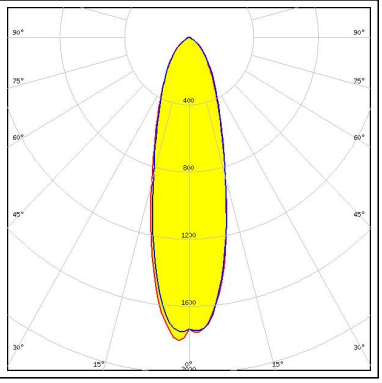
SAMSUNG

LED	LH351C
FWHM	24.0°
Efficiency	94 %
Peak intensity	1.585 cd/lm
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM	30.0°
Efficiency	94 %
Peak intensity	1.810 cd/lm
Required components:	

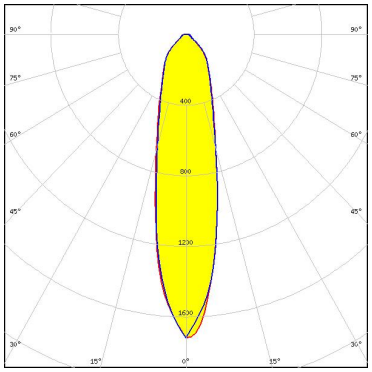


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PHOTOMETRIC DATA (SIMULATED):

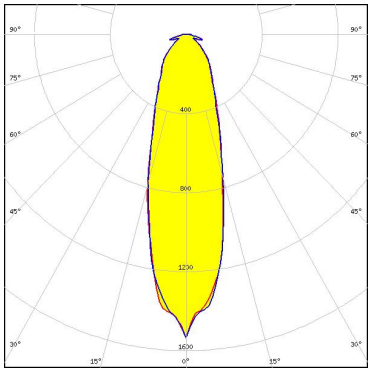
SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM	24.0°
Efficiency	89 %
Peak intensity	1.720 cd/lm
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM	29.0°
Efficiency	92 %
Peak intensity	1.525 cd/lm
Required components:	



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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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
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