HB-SQ-WWW

~90° beam



SPECIFICATION:

Dimensions	25.0 x 25.0 mm
Height	9.8 mm
Fastening	glue, pin, screw
ROHS compliant	yes

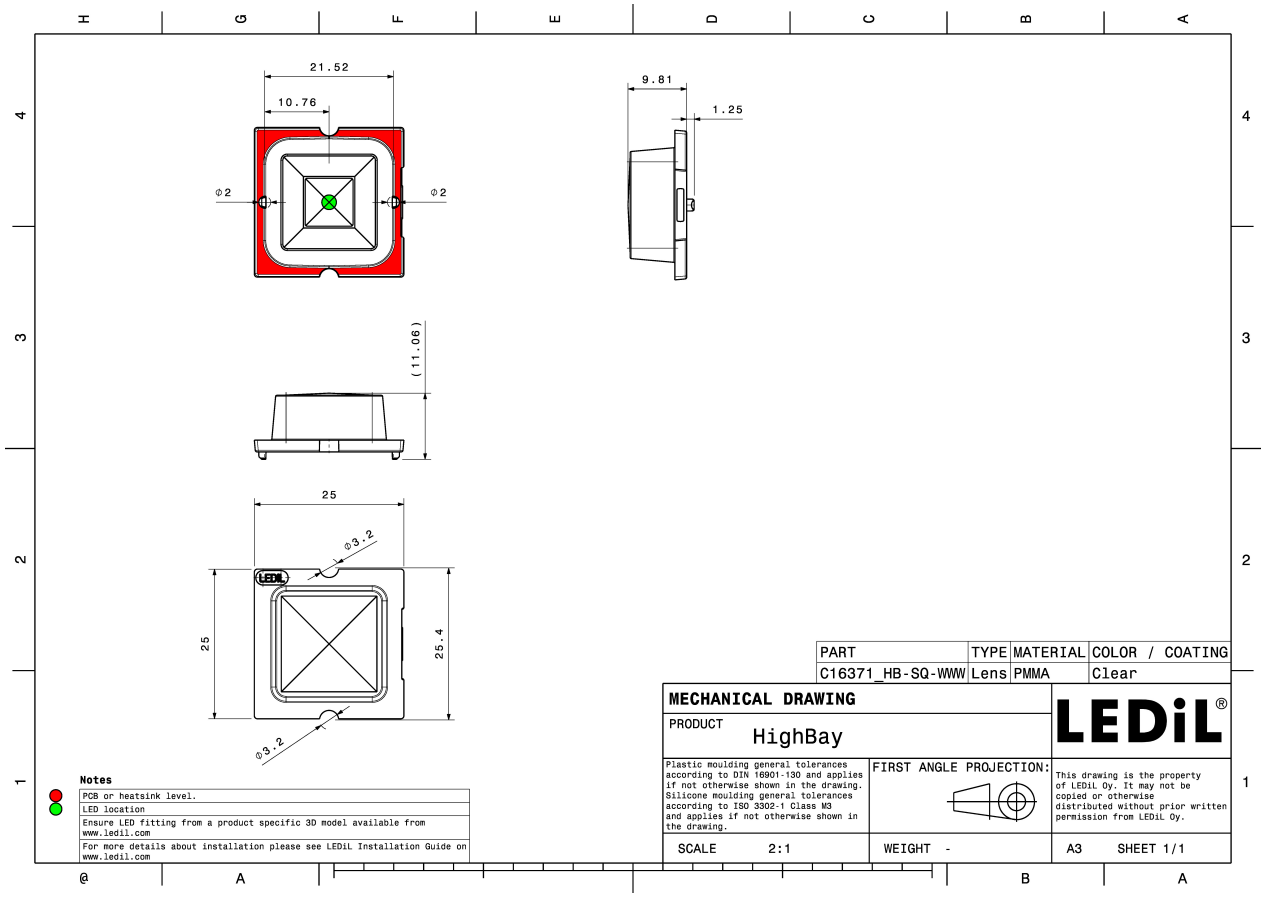
MATERIALS:

Component	Type	Material	Colour	Finish	Length
HB-SQ-WWW	Single lens	PMMA	clear		25.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16371_HB-SQ-WWW » Box size: 480 x 280 x 300 mm	2058	294	98	8.6

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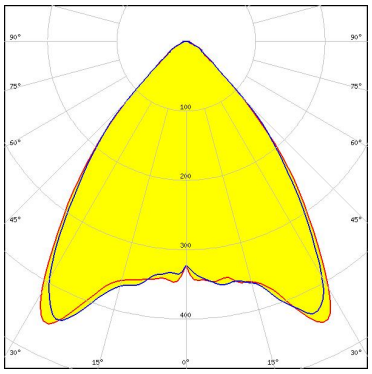
See also our general installation guide: www.ledil.com/installation_guide

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

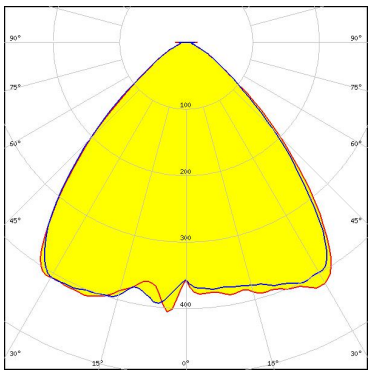
LED	J Series 2835
FWHM / FWTM	78.0° / 104.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

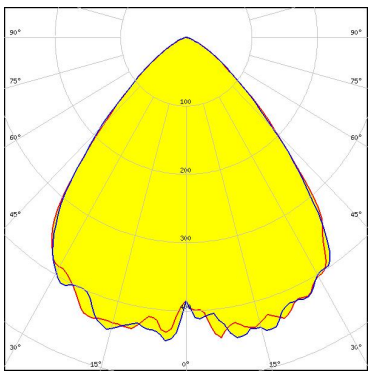
LED	XHP50.2
FWHM / FWTM	90.0° / 122.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP70
FWHM / FWTM	84.0° / 117.0°
Efficiency	88 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



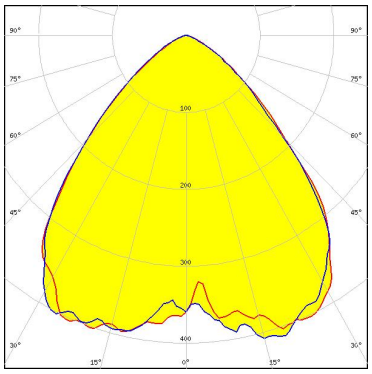
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

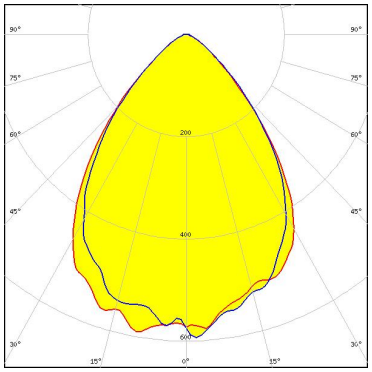
LED	XHP70.2
FWHM / FWTM	86.0° / 120.0 + 122.0°
Efficiency	85 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

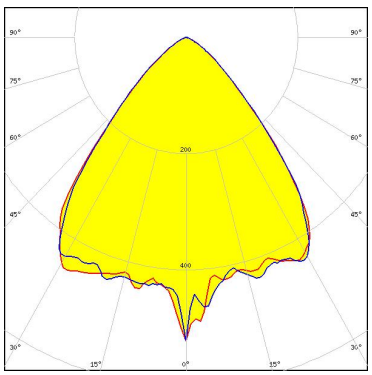
LED	LUXEON 7070
FWHM / FWTM	77.0° / 112.0°
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	80.0° / 110.0°
Efficiency	89 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



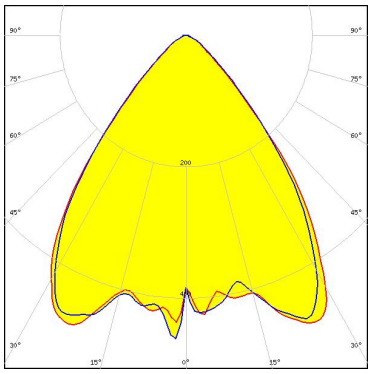
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

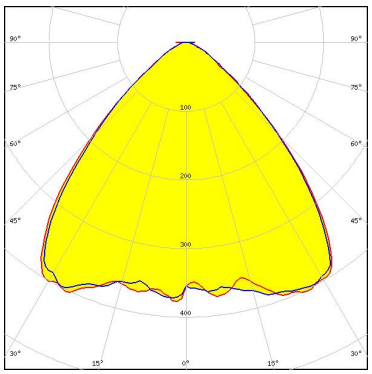
LED	LUXEON MZ
FWHM / FWTM	79.0° / 105.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

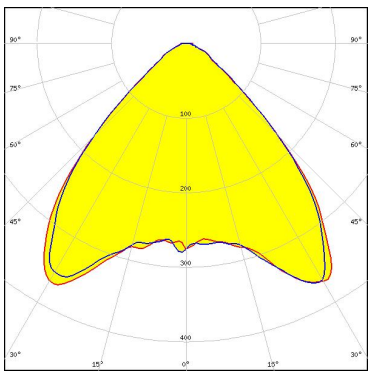
LED	NV4x144A
FWHM / FWTM	89.0° / 120.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW519A
FWHM / FWTM	89.0° / 120.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



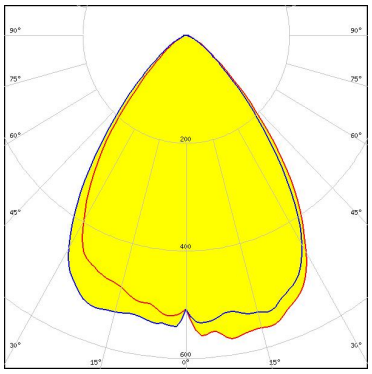
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

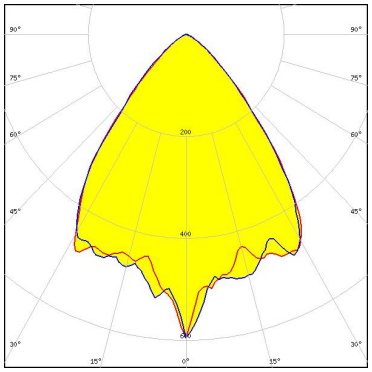
LED	Duris S10
FWHM / FWTM	77.0° / 109.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	76.0° / 105.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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:

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Unikeyic Electronics

Global Electronic Components Distributor

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C11347_REGINA C11716_ANNA-40-7-S CA11391_EMILY-M2 CA15584_ZORYA-MINI-TAPE
CA18093_LEILA-Y-WW C11191_TUIJA-3-W C13118_STRADA-SQ-A-T C13301_STRADA-2X2-T3
C14146_LENA-STD-BASE-CXA18 CA18090_LEILA-Y-SS F14686_G2-ROSE-UV-M F15541_JENNY-60
CA18107_TINA-Y-O F14534_ANGELETTE-WW FN15973_RONDA-REC-60-C C18429_ADELIA-75-W
FA10751_LO2-RS FCN13552_CRYSTAL-RS FP13031_LISA2-W-CLIP C17247_ELLA-30-M
C12948_LENA-WAS C16906_ALISE-70-WW FCN15499_RONDA-W FP13029_LISA2-WW-CLIP
FP18205_LISA3CSP-WW-CLIP16 LURR3000G3