

LISA3-W-PIN

~35° wide beam with location pin installation

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	pin
ROHS compliant	yes ⓘ

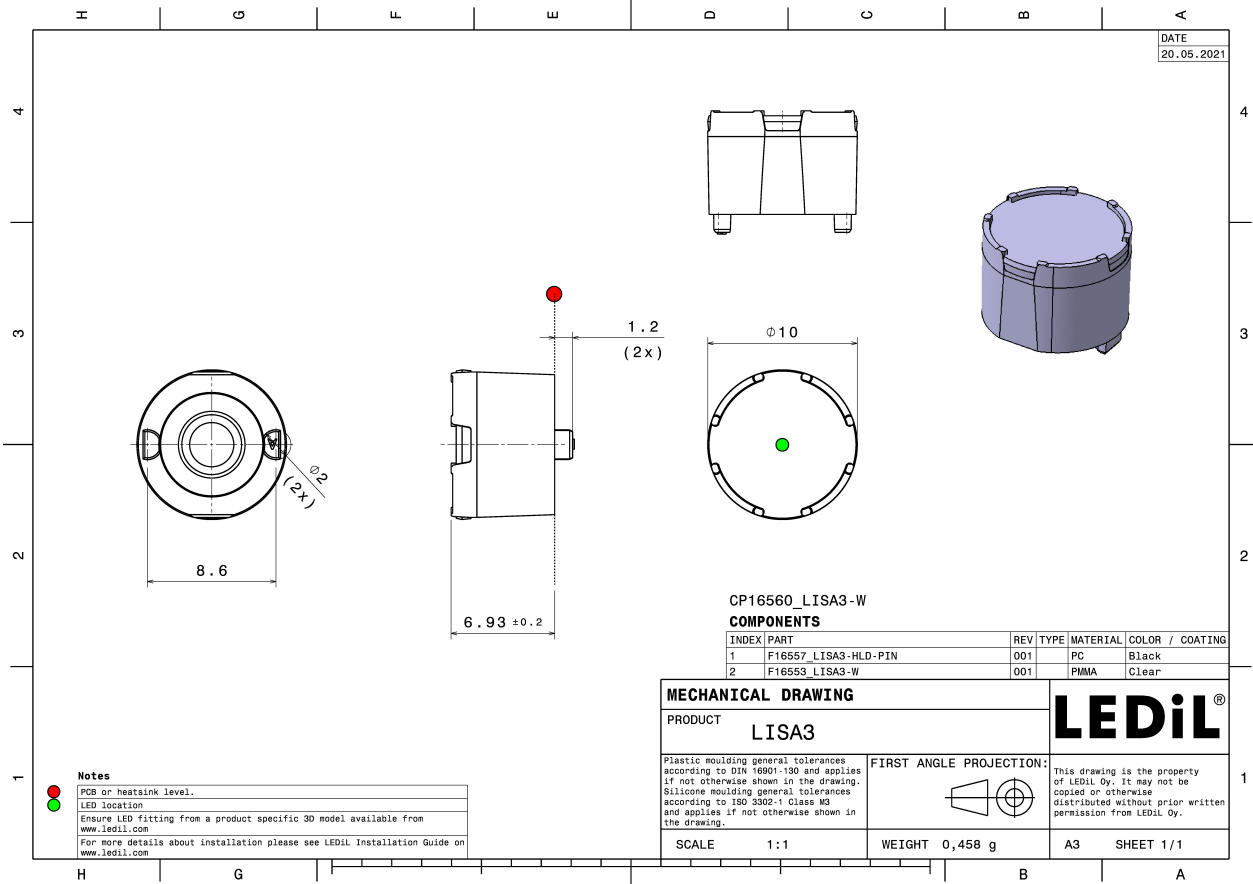
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA3-W	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:


Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16560_LISA3-W-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					





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

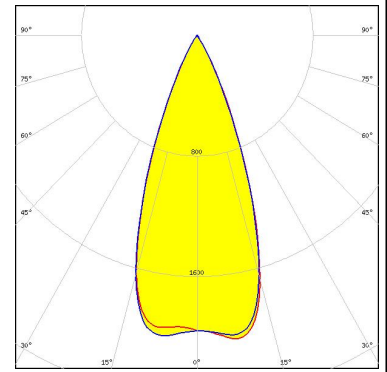
PHOTOMETRIC DATA (MEASURED):

			
LED	NF2x757G		
FWHM / FWTM	32.0° / 57.0°		
Efficiency	79 %		
Peak intensity	2.2 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			

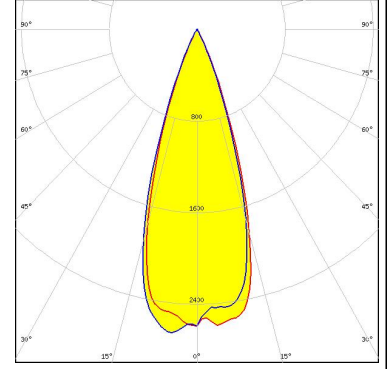
PHOTOMETRIC DATA (SIMULATED):



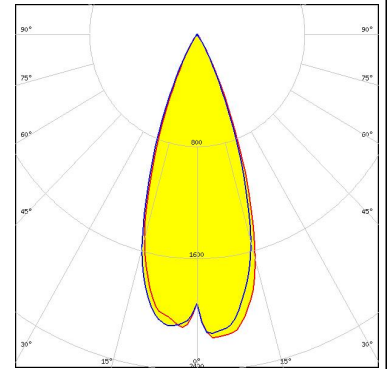
LED XP-E
 FWHM / FWTM 41.0° / 59.0°
 Efficiency 92 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



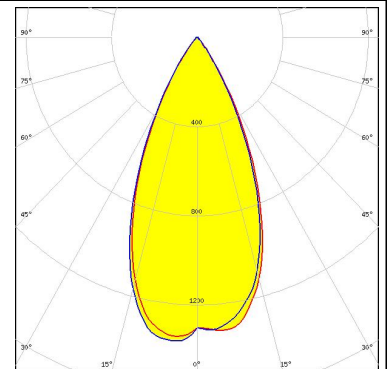
LED XP-E2
 FWHM / FWTM 35.0° / 50.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2
 FWHM / FWTM 39.0° / 58.0°
 Efficiency 90 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



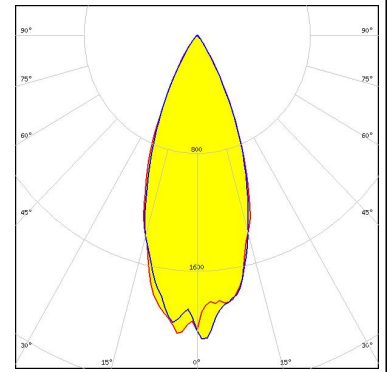
LED XP-G2 HE
 FWHM / FWTM 48.0° / 72.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



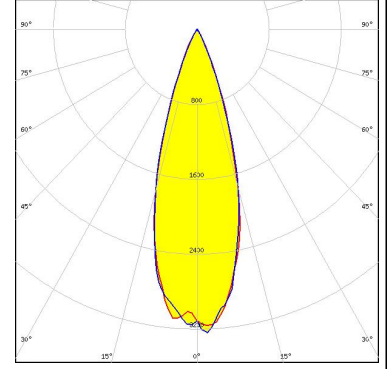
PHOTOMETRIC DATA (SIMULATED):



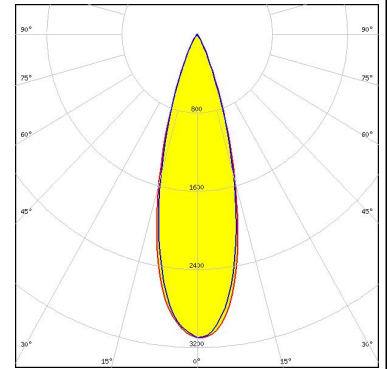
LED XP-G3
 FWHM / FWTM 38.0° / 63.0°
 Efficiency 85 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



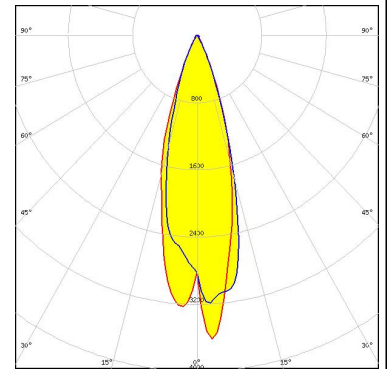
LED XT-E
 FWHM / FWTM 30.0° / 49.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 2835 Line
 FWHM / FWTM 30.0° / 52.0°
 Efficiency 89 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 30.0° / 50.0°
 Efficiency 85 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON TX</p> <p>FWHM / FWTM: 36.0° / 55.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 2.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON V2</p> <p>FWHM / FWTM: 36.0° / 61.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 2.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON Z</p> <p>FWHM / FWTM: 27.5° / 42.0°</p> <p>Efficiency: 88 %</p> <p>Peak intensity: 4.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON Z ES</p> <p>FWHM / FWTM: 30.0° / 46.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 3.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

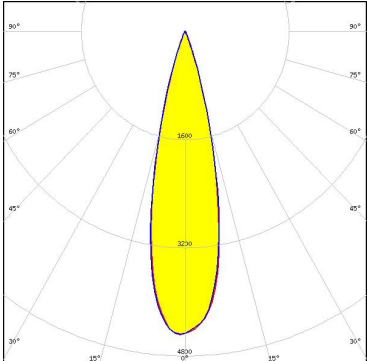
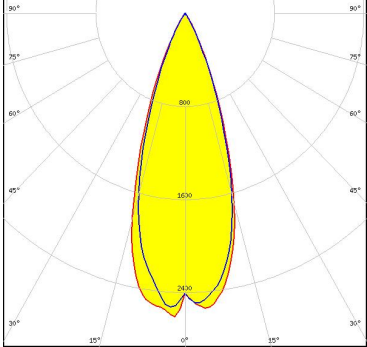
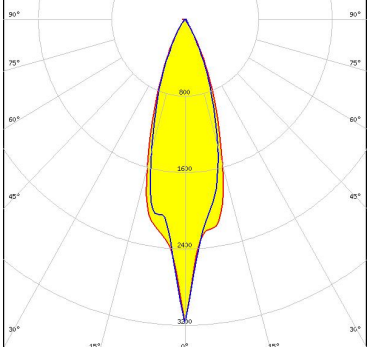
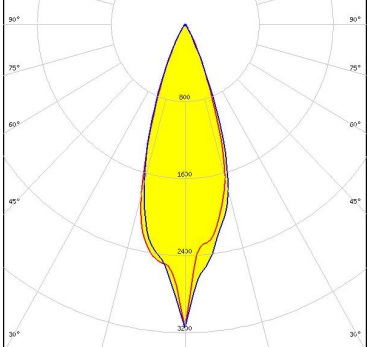
PHOTOMETRIC DATA (SIMULATED):

<p>LUMINUS</p> <p>LED SST-20 FWHM / FWTM 32.0° / 52.0° Efficiency 87 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NCSU276C FWHM / FWTM 41.0° / 57.0° Efficiency 91 % LEDs/each optic 1 Light colour UV-A Required components:</p>	
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 34.0° / 54.0° Efficiency 84 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 46.0° / 68.0° Efficiency 89 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM: 38.9° / 62.5°</p> <p>Efficiency: 83 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S5 (2 chip)</p> <p>FWHM / FWTM: 30.0° / 52.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 2.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: Duris S5 (Single chip)</p> <p>FWHM / FWTM: 30.0° / 50.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 3.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3030</p> <p>FWHM / FWTM: 29.0° / 46.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 3.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

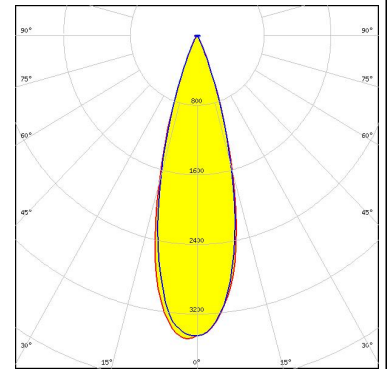
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Black</p> <p>FWHM / FWTM 25.0° / 40.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 4.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 34.0° / 54.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 35.0° / 55.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 35.0° / 52.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

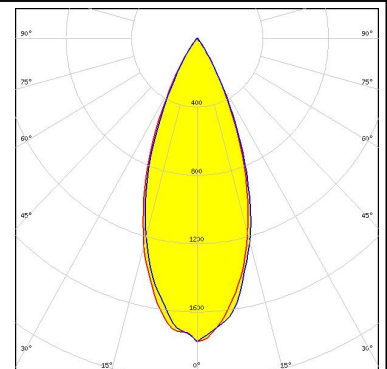
Opto Semiconductors

LED SYNIOS S2222 (KW DDLM31)
 FWHM / FWTM 30.0 + 29.0° / 48.0 + 47.0°
 Efficiency 97 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



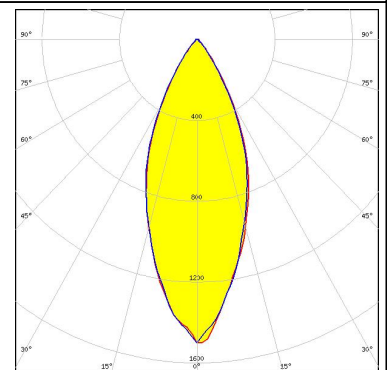
SAMSUNG

LED LH351C
 FWHM / FWTM 41.0° / 66.0°
 Efficiency 88 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



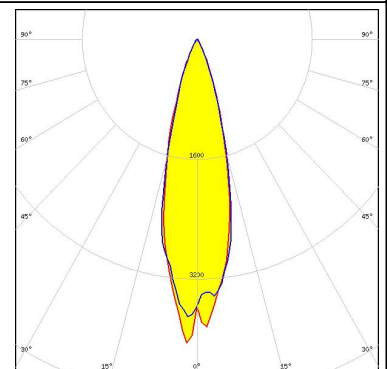
SAMSUNG

LED LH351D
 FWHM / FWTM 41.0° / 73.0°
 Efficiency 85 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

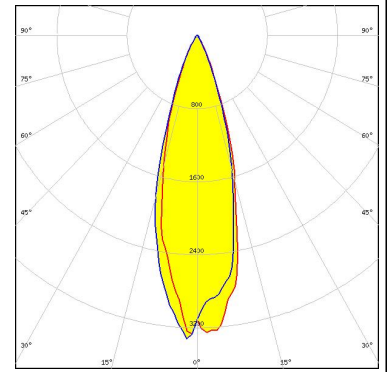
LED LM301A
 FWHM / FWTM 29.0° / 48.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

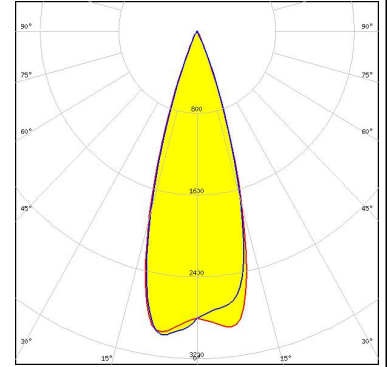
SAMSUNG

LED LM302A
FWHM / FWTM 30.0° / 51.0°
Efficiency 87 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



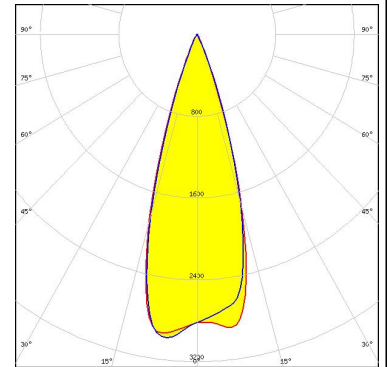
STANLEY

LED MFN1108MS
FWHM / FWTM 33.0° / 47.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



STANLEY

LED MGN1108MS
FWHM / FWTM 33.0° / 47.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour IR
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:

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