

LISA2-WW-PIN

~45° wide beam. 7.0 mm high variant with location pin installation.

SPECIFICATION:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	glue, pin
ROHS compliant	yes 🕕



MATERIALS:

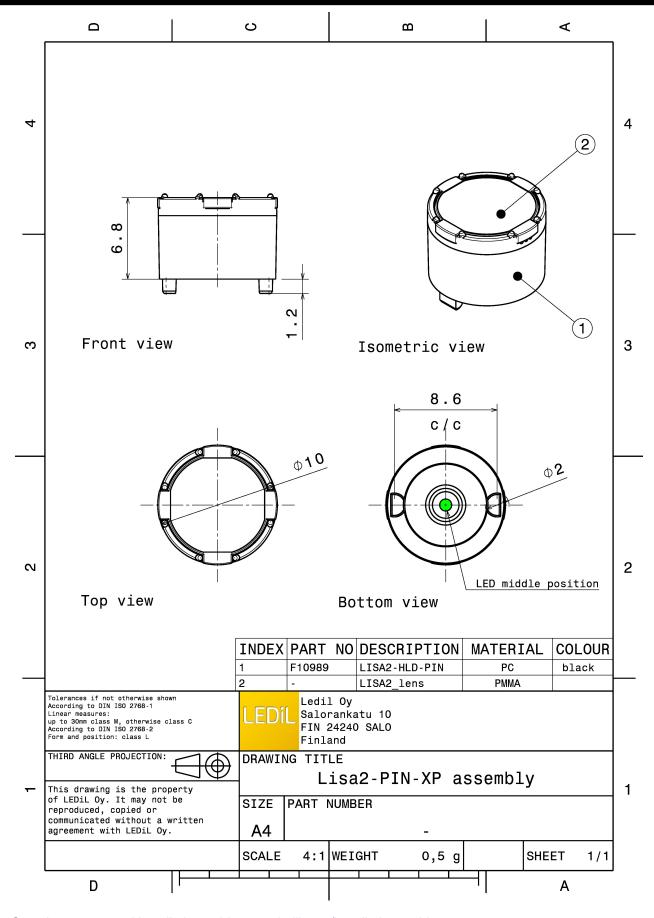
Component	Type	Material	Colour	Finish
LISA2-WW	Single lens	PMMA	clear	
LISA2-HLD-PIN	Holder	PC	black	

ORDERING INFORMATION:

» Box size: 310 x 230 x 60 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP10997_LISA2-WW-PIN	Single lens	2000	300	100	1.4





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



OPTICAL RESULTS (MEASURED):

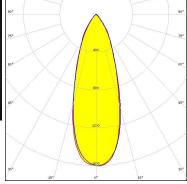


LED XB-D
FWHM / FWTM 38.0°
Efficiency 85 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE - LED

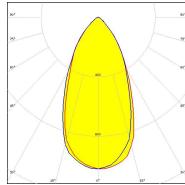
LED XD16
FWHM / FWTM 35.0° / 72.0°
Efficiency 78 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





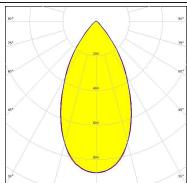
CREE - LED

LED XP-E
FWHM / FWTM 42.0° / 78.0°
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED XP-G
FWHM / FWTM 54.0° / 88.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

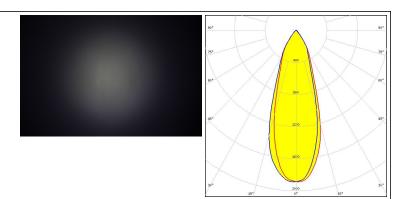




OPTICAL RESULTS (MEASURED):

MUMILEDS

LED LUXEON C
FWHM / FWTM 34.0° / 72.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



DESCRIPTION LUMILEDS

LED LUXEON Rebel ES FWHM / FWTM 56.0° / 88.0° Efficiency 93 %

LEDs/each optic 1
Light colour White
Required components:

DESCRIPTION LUMILEDS

LED LUXEON Z
FWHM / FWTM 28.0° / 70.0°
Efficiency 87 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1

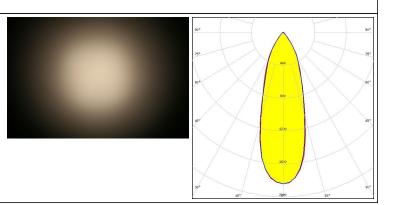
LEDs/each optic 1
Light colour White
Required components:



DESCRIPTION LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 35.0° / 73.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1

Light colour White Required components:

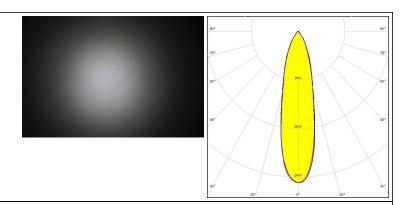




OPTICAL RESULTS (MEASURED):

WNICHIA

LED NCSxE17A FWHM / FWTM 25.0° / 62.0° Efficiency 82 % Peak intensity 2.5 cd/lm LEDs/each optic Light colour White Required components:



OSRAM

LED SFH 4170S FWHM / FWTM 25.0° / 69.0°

Efficiency % LEDs/each optic 1 IR Light colour Required components:

OSRAM Opto Semiconductor

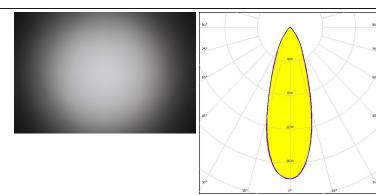
LED SFH 4180S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 68.0°

Efficiency % LEDs/each optic Light colour IR Required components:

SAMSUNG

FWHM / FWTM 34.0° / 69.0° Efficiency 81 % Peak intensity 1.8 cd/lm LEDs/each optic

White Light colour Required components:





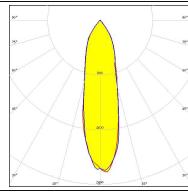
OPTICAL RESULTS (SIMULATED):



LED XQ-E HD
FWHM / FWTM 72.0° / 99.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

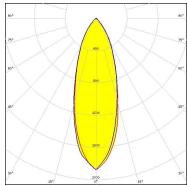
CREE - LED

LED XQ-E HI
FWHM / FWTM 27.0° / 72.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



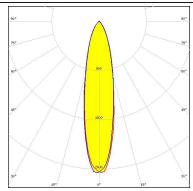
DESCRIPTION LUMILEDS

LED LUXEON IR 2720
FWHM / FWTM 35.0° / 75.0°
Efficiency 93 %
LEDs/each optic 1
Light colour IR
Required components:



DESCRIPTION LUMILEDS

LED LUXEON IR 2720
FWHM / FWTM 24.0° / 60.0°
Efficiency 74 %
LEDs/each optic 1
Light colour IR
Required components:

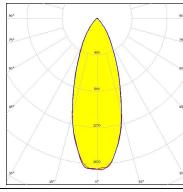




OPTICAL RESULTS (SIMULATED):



LED NVSxE21A $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 37.0° / 75.0° Efficiency 88 % Peak intensity 1.7 cd/lm LEDs/each optic Light colour White Required components:

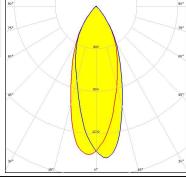


OSRAM Opto Semiconductors

LED SFH 4170S FWHM / FWTM 36.0° / 78.0° Efficiency 80 % LEDs/each optic 1 IR Light colour Required components:

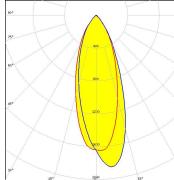






OSRAM Opto Semiconductor

LED SFH 4770S FWHM / FWTM 34.0° / 75.0° Efficiency 92 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:



SHARP

LED Double Dome (GM2BB)

FWHM / FWTM 60.0° Efficiency % LEDs/each optic 1 White Light colour Required components:



PRODUCT DATASHEET FP10997_LISA2-WW-PIN

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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