

# LISA2-R-PIN

White mini reflector with  $\sim 80^{\circ}$  wide beam. 6.5 mm high with location pin installation.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 9.9 mm
Height	6.5 mm
Fastening	glue, pin
Colour	white
Box size	254 x 298 x 241 mm
Box weight	4.1 kg
Quantity in Box	10000 pcs
ROHS compliant	yes 🛈



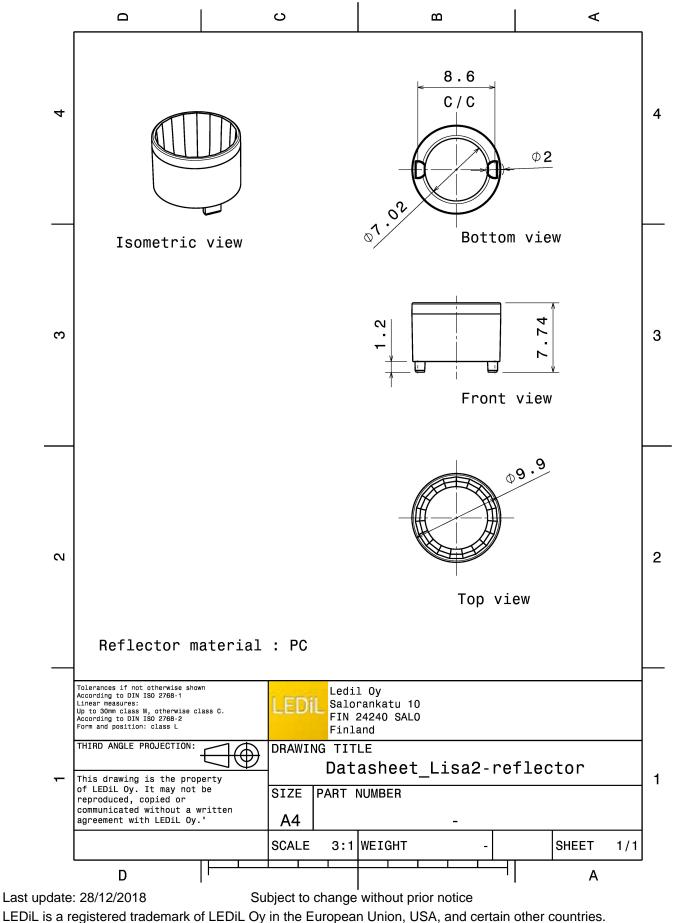
#### **MATERIAL SPECIFICATIONS:**

Component LISA2-R-PIN **Type** Reflector

Material HRPC **Colour** white

Coating





2/10



## PHOTOMETRIC DATA (MEASURED):

FWHM 86.0° Efficiency 89 % Peak intensity 0.330 cd/lm LEDs/each optic 1 Light colour White Required components: CREE LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1			
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LEDs/each optic 1 Light colour White Required components: CREE LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			50 <sup>4</sup> 604
Light colour White Required components: CREE LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			
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LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			460
LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			30° 15° 30°
LED XP-G3 FWHM 86.0° Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			
FWHM 86.0°   Efficiency 88 %   Peak intensity 0.380 cd/lm   LEDs/each optic 1   Light colour White			90* 90*
Efficiency 88 % Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White			
Peak intensity 0.380 cd/lm LEDs/each optic 1 Light colour White	FWHM		73°
LEDs/each optic 1 Light colour White	Efficiency		
LEDs/each optic 1 Light colour White	Peak intensity		50°
Light colour White			
	Light colour		45°
			× × × × × × × × × × × × × × × × × × ×
20. etc 20. 20 <sup>-2</sup>			
			30° 15° 30°

PRODUCT DATASHEET

C12469\_LISA2-R-PIN



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XT-E 80.0° 85 % 0.460 cd/lm 1 White	
WHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON A 83.0° 88 % 0.370 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON C 84.0° 83 % 0.380 cd/lm 1 White	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON Rebel 77.0° 88 % 0.410 cd/lm 1 White	99 <sup>4</sup> 79 <sup>4</sup> 79 <sup>4</sup> 60 <sup>4</sup> 70 <sup>4</sup> 7



	EDS
LED	LUXEON Rebel ES
FWHM	83.0°
Efficiency	90 %
Peak intensity	0.360 cd/lm
LEDs/each optic	
Light colour	White
Required compor	
	EDS
LED	LUXEON T
FWHM	82.0°
Efficiency	82 %
Peak intensity	0.400 cd/lm
LEDs/each optic	1
Light colour	White white
Required compor	nents:
LUMIL	EDS
LED	LUXEON Z
FWHM	78.0°
Efficiency	86 %
Peak intensity	0.440 cd/lm
LEDs/each optic	1
Light colour	White
Required compor	nents:
<b>Ø</b> NICHIA	
LED	NCSxx19A
FWHM	78.0°
Efficiency	84 %
Peak intensity	0.460 cd/lm
LEDs/each optic	
Light colour	White
Required compor	nents:



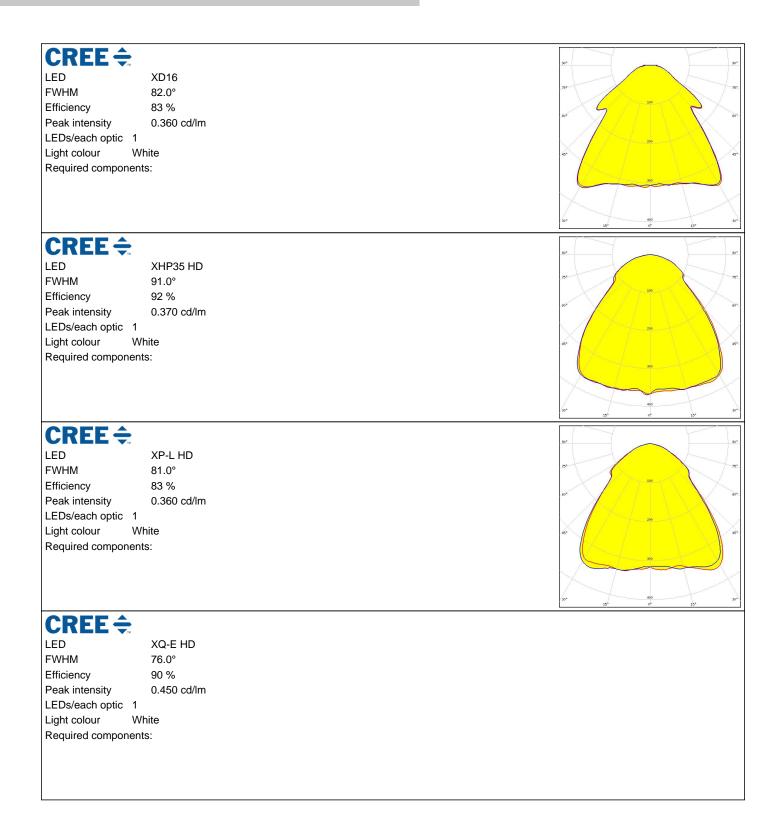
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<b>ØNICHI</b> Λ			
LED	NVSxx19A		
FWHM	80.0°		
Efficiency	84 %		
Peak intensity	0.400 cd/lm		
LEDs/each optic			
Light colour	White		
Required compor			
	ionto.		
OSRAM Opto Semiconductors			90* 9
LED	OSCONIQ P 2226		
FWHM	78.0°		75
Efficiency	83 %		
Peak intensity	0.400 cd/lm		
LEDs/each optic			200
Light colour	White		451
Required compor			
			400
			30° 315° 31
OSRAM Opto Semiconductors			
LED	Oslon Square EC		10°
FWHM	82.0°		73*
Efficiency	85 %		G S
Peak intensity	0.370 cd/lm		
LEDs/each optic			
Light colour	White		
Required compor			45*
Required compor			
			400
			30* 500 15* 3/
OSRAM Opto Semiconductors			
LED	Oslon SSL 150		
FWHM	83.0°		
Efficiency	91 %		
Peak intensity	0.300 cd/lm		
LEDs/each optic			
Light colour	White		
Required compor			



OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20°
stoul seniconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	94° 97° 75° 100 94° 92° 94° 92° 96° 92° 96° 92° 96° 92°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	25 <sup>4</sup>
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	



### PHOTOMETRIC DATA (SIMULATED):

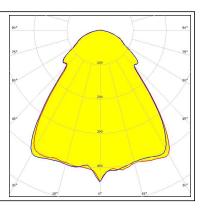




## PHOTOMETRIC DATA (SIMULATED):

#### 

LED	LUXEON H50-2	
FWHM	80.0°	
Efficiency	90 %	
Peak intensity	0.440 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.

#### 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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