

#### LISA2-M-PIN

~20° medium beam. 6.8 mm high variant with location pin installation.

#### **SPECIFICATION:**

Dimensions	Ø 9.9 mm
Height	6.8 mm
Fastening	glue, pin
ROHS compliant	yes 🕕



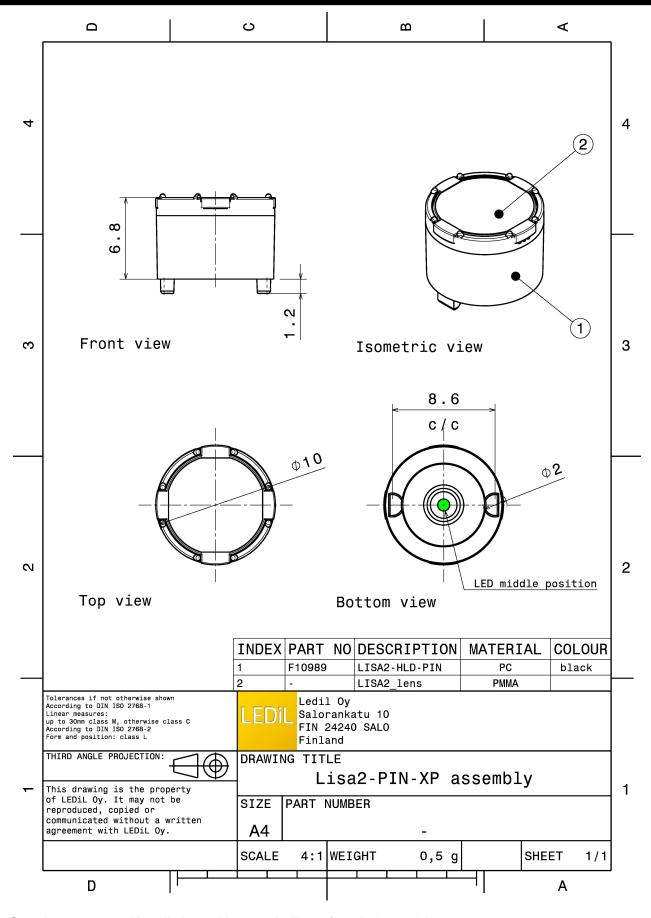
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
LISA2-M	Single lens	PMMA	clear	
LISA2-HLD-PIN	Holder	PC	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP13028_LISA2-M-PIN	Single lens	2000		100	1.4
» Box size:					

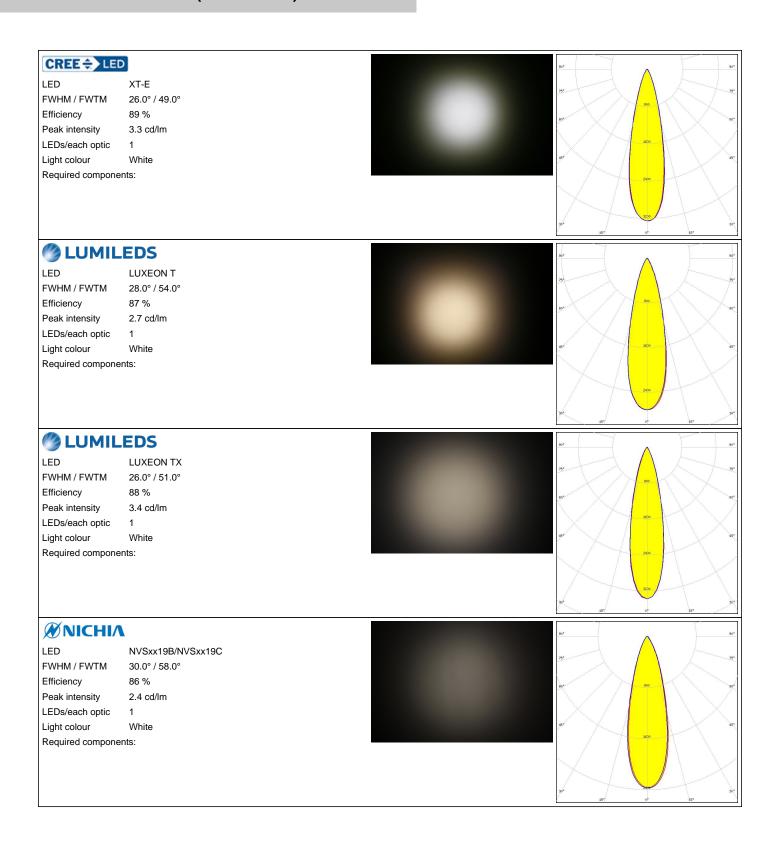




See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>



## **OPTICAL RESULTS (MEASURED):**





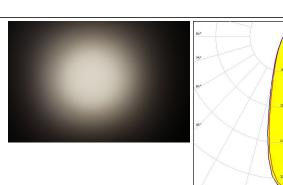
## **OPTICAL RESULTS (MEASURED):**

### **OSRAM**

LED OSLON Square EC FWHM / FWTM 26.0° / 49.0°

Efficiency 84 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1

Light colour White Required components:



## **SAMSUNG**

 LED
 LH181B

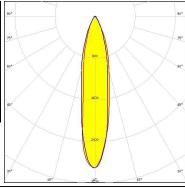
 FWHM / FWTM
 20.0° / 53.0°

 Efficiency
 78 %

 Peak intensity
 2.9 cd/lm

LEDs/each optic 1
Light colour White
Required components:



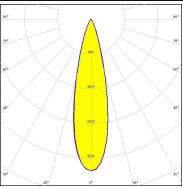


# **SAMSUNG**

LED LH351Z FWHM / FWTM 26.0° / 50.0° Efficiency 87 %

Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:





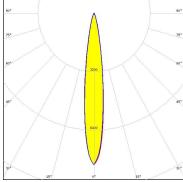


## **OPTICAL RESULTS (SIMULATED):**

## **MUMILEDS**

LED LUXEON IR Compact

FWHM / FWTM 15.0° / 31.0°
Efficiency 85 %
LEDs/each optic 1
Light colour IR
Required components:



## **MUMILEDS**

LED LUXEON Rebel ES

FWHM / FWTM 24.0° / 49.0°

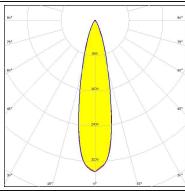
Efficiency 90 %

Peak intensity 3.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



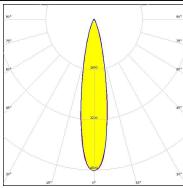
### **ELUMINUS**

LED SST-20 FWHM / FWTM 20.0° / 42.0°

Efficiency 89 %
Peak intensity 4.8 cd/lm

LEDs/each optic 1
Light colour White

Required components:

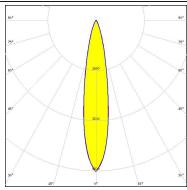


## **WNICHIA**

LED NCSxx19B
FWHM / FWTM 19.0° / 42.0°
Efficiency 85 %

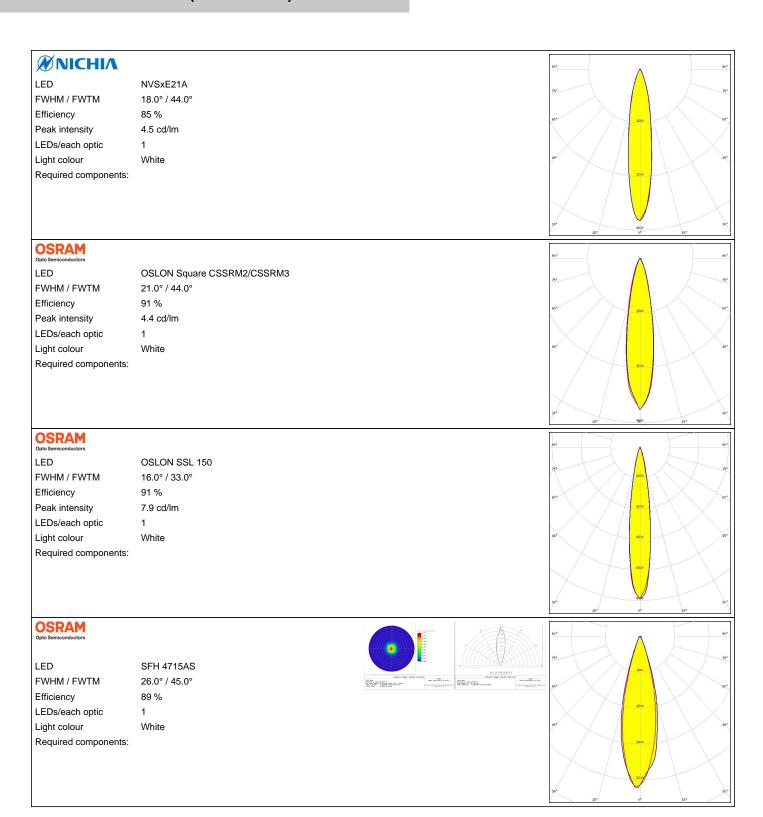
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:



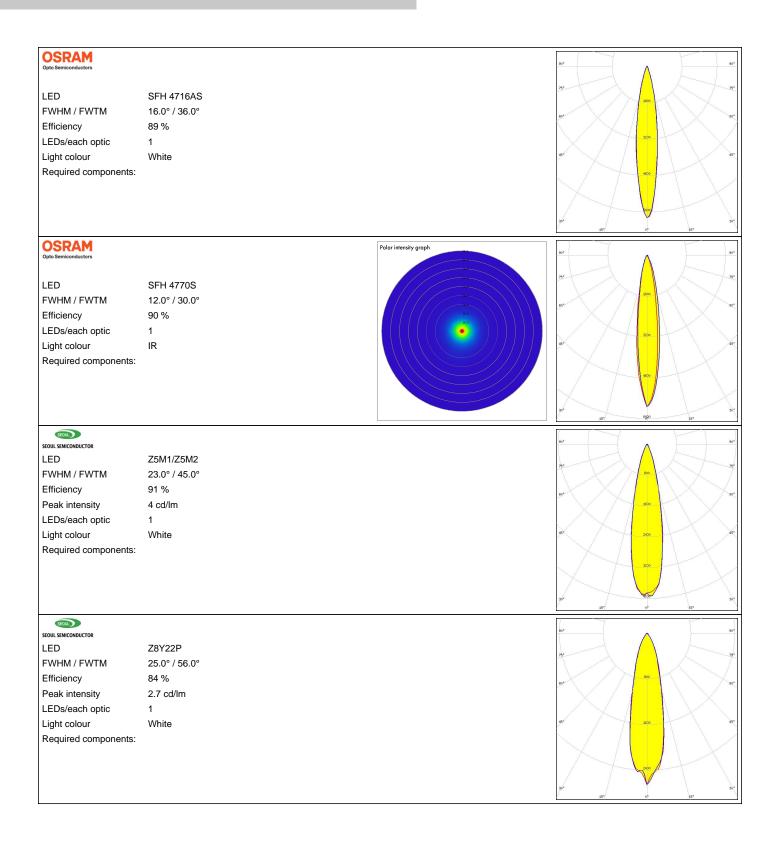


## **OPTICAL RESULTS (SIMULATED):**





## **OPTICAL RESULTS (SIMULATED):**





## PRODUCT DATASHEET FP13028\_LISA2-M-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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