

# G2-LXP2-D-P

~14° diffused spot beam with light, black holder. Assembly with location pins and installation tape.

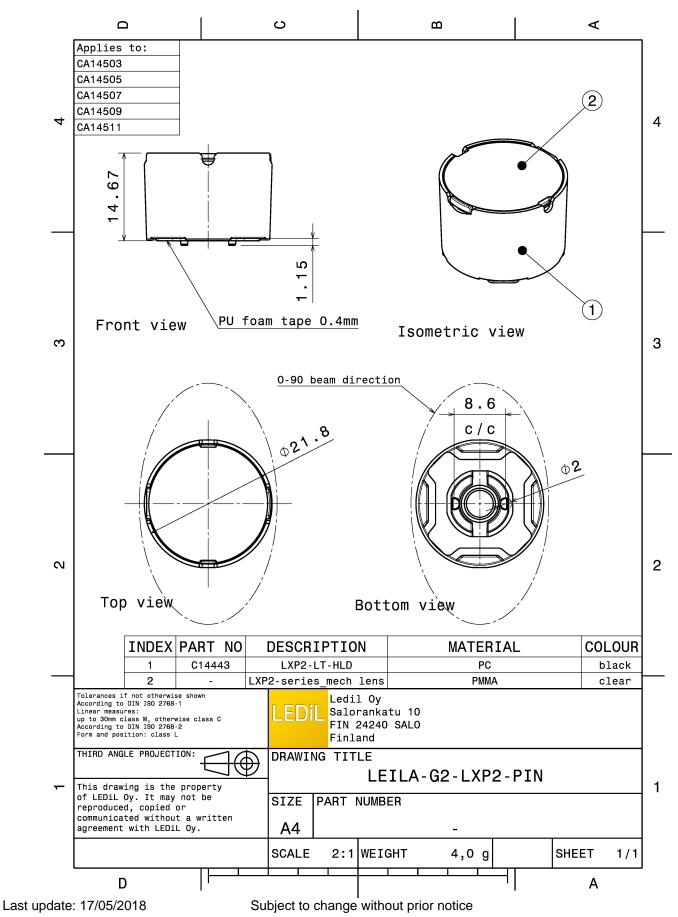
#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	tape, pin
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	1680 pcs
ROHS compliant	yes 🛈



#### **MATERIAL SPECIFICATIONS:**

Component LXP2-D LXP2-LT-HLD HEIDI-TAPE **Type** Lens Holder Tape Material PMMA PC PU tape Colour clear black black



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**PHOTOMETRIC DATA (MEASURED):** 

## CREE ≑ LED XD16 FWHM 13.0° Efficiency 78 % Peak intensity 7.400 cd/lm Required components: CREE 🚖 LED XP-E FWHM 9.7° Efficiency 88 % Peak intensity 19.850 cd/lm Required components: LUMILEDS LED LUXEON C FWHM 11.0° Efficiency 80 % Peak intensity 11.000 cd/lm Required components: LED LUXEON CZ FWHM 12.0° Efficiency 86 % Peak intensity 10.800 cd/lm Required components:

PRODUCT DATASHEET

CA14507\_G2-LXP2-D-P



## PHOTOMETRIC DATA (MEASURED):

UMIL	EDS	90 <sup>4</sup>
LED	LUXEON V	71
FWHM	18.0°	
Efficiency	83 %	60 <sup>-1</sup>
Peak intensity	4.700 cd/lm	
Required comp	onents:	er* er
		294 255 24 257 04 257
UMIL	EDS	93 <sup>4</sup>
LED	LUXEON Z ES	73
FWHM	14.0°	
Efficiency	83 %	60 500 60
Peak intensity	8.700 cd/lm	
Required comp	onents:	g
		602
		30" 30
<b>ØNICHIA</b>		90 <sup>4</sup> A 90
LED	NCSxx19A	
FWHM	13.0°	
Efficiency	86 %	60* 200 00
Peak intensity	9.000 cd/lm	
Required comp	onents:	ø. o
		000
		30' 30' 300 30
<b>ØNICHIA</b>		3×* A 35
LED	NVSW219D	
FWHM	15.0°	
Efficiency	87 %	6r
Peak intensity	7.700 cd/lm	
Required comp	onents:	× • •
		30* 0000
		15°) 0° 15°



## PHOTOMETRIC DATA (MEASURED):

ED NVSW3x9A   FWHM 17.0°   Efficiency 81 %   Peak intensity 6.100 cd/m   Required components: Image: Components of the second			
EWHM 17.0° Efficiency 81 % Peak intensity 6.100 cd/lm Required components: ED NWSx229A EWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: ED Oslon Square Gen3 EVHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: ED Oslon Square Gen3 EVHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: ED D LH181B EVHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	<b>ØNICHI</b>		90* 90
Efficiency 81 % Peak intensity 6.100 cd/m Required components: POSENTIAL ED NVSx229A EWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/m Required components: Postimum LED Osion Square Gen3 EWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/m Required components: SAM SUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/m	LED	NVSW3x9A	73
Peak intensity 6.100 cd/lm Required components: ED NVSx229A FWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: ED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: ED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: ED Oslon Square Gen3 FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	FWHM	17.0°	100
Required components:	Efficiency	81 %	60* · · · · · · · · · · · · · · · · · · ·
Required components:	Peak intensity	6.100 cd/lm	
Image: Second	Required comp	onents:	er es
LED NVVSx229A FWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			430
LED NVVSx229A FWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			
LED NVVSx229A FWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			30 <sup>4</sup> 6400 30
FWHM 29.0° Efficiency 83 % Peak intensity 4.600 cd/lm Required components: ED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	<b>ØNICHI</b>		90° 50
Efficiency 83 % Peak intensity 4.600 cd/lm Required components:	LED	NWSx229A	73
Peak intensity 4.600 cd/lm Required components:	FWHM	29.0°	
Required components:	Efficiency	83 %	60 <sup>1</sup> <u>1000</u> 60
Required components:			
LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	Required comp	onents:	
LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			
LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			
LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			30° 4000 30
LED Oslon Square Gen3 FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	OSRAM Opto Semiconductors		90 <sup>4</sup> A 90
FWHM 14.0° Efficiency 88 % Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	LED	Oslon Square Gen3	73.
Peak intensity 8.700 cd/lm Required components: SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	FWHM		
Required components:	Efficiency	88 %	60° 600 60
SAMSUNG LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	Peak intensity	8.700 cd/lm	
LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	Required comp	onents:	45°
LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			12000
LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			
LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm			30° 15° 0° 35° 36
LED LH181B FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	SAMSL	JNG	50° A 50
FWHM 15.0° Efficiency 82 % Peak intensity 6.300 cd/lm	LED		75
Peak intensity 6.300 cd/lm	FWHM		
	Efficiency	82 %	60*
Required components:			
9 <sup>10</sup> 20 20 3	Required comp	onents:	95 <sup>4</sup>
20 <sup>6</sup>			4300
30 <sup>16</sup> 20 <sup>10</sup> 3 20 <sup>1</sup> 20 <sup>1</sup> 20 <sup>10</sup>			$\times$
			30* e120 3

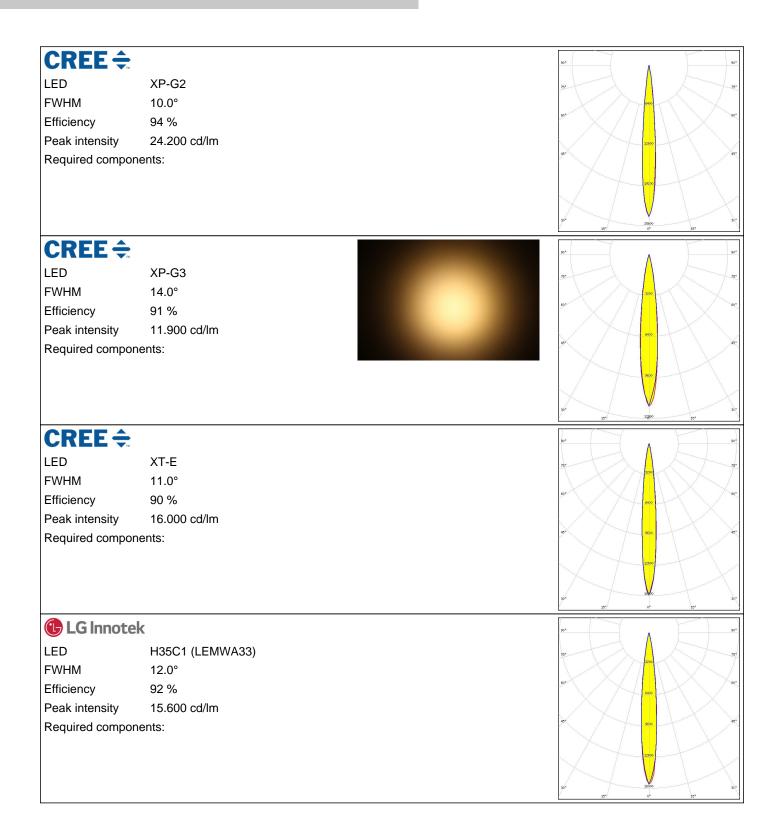


## PHOTOMETRIC DATA (MEASURED):

SEOUL SEOUL SEMICONDUCTOR		90 <sup>4</sup> 90 <sup>4</sup>
LED	Z8Y22P	75
FWHM	15.0°	1600
Efficiency	78 %	60° 60°
Peak intensity	5.600 cd/lm	
Required comp	onents:	20° ET 0° IS 20



## PHOTOMETRIC DATA (SIMULATED):





### PHOTOMETRIC DATA (SIMULATED):

## 

LED LUXEON IR Compact FWHM 8.0° Efficiency 84 % Peak intensity 0.000 cd/lm Required components:

	DS	90* A 90
LED FWHM Efficiency Peak intensity Required compo	LUXEON T 12.0° 93 % 14.300 cd/lm nents:	
	DS	50 <sup>4</sup> 50
LED FWHM Efficiency Peak intensity Required compo	LUXEON TX 11.0° 92 % 15.400 cd/lm nents:	
<b>Μ</b> ΝΙCΗΙΛ		50 <sup>4</sup> 50
LED FWHM Efficiency Peak intensity Required compo	NVSxx19B/NVSxx19C 13.0° 89 % 12.000 cd/lm nents:	

PRODUCT DATASHEET

CA14507\_G2-LXP2-D-P



## PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90* A 90*
LED	Oslon Square Flat	75'
FWHM	9.4°	
Efficiency	91 %	
Peak intensity	19.120 cd/lm	
Required compor	nents:	45°
		the set of the set
OSRAM Opto Semiconductors		50° 50°
LED	Oslon SSL 80	25
FWHM	8.3°	
Efficiency	92 %	50 <sup>3</sup>
Peak intensity	30.500 cd/lm	
Required compor	nents:	er 1000 er
		30 <sup>4</sup> 30 <sup>40</sup> 30 <sup>40</sup> 30 <sup>4</sup>
OSRAM Opto Semiconductors		
LED	SFH 4770S	
FWHM	9.0°	
Efficiency	85 %	
Peak intensity	cd/lm	
Required compor	nents:	
0.		
SVWSA		50* 30*
LED	LH351A(3535)	
FWHM	11.0°	
Efficiency	91 %	600
Peak intensity	15.900 cd/lm	50 800
Required compor	ients:	
		30° 30 125 <sup>°</sup> 0° 15°



## PHOTOMETRIC DATA (SIMULATED):

SAMSU	NG	94* 99
LED FWHM Efficiency	LH351B 12.0° 92 %	97 75 99 97 90 90 90 90 90 90 90 90 90 90 90 90 90
Peak intensity Required compor	13.000 cd/lm nents:	25° e, 25° 30
SECUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity Required compor	Z5M1/Z5M2 12.0° 93 % 15.200 cd/lm hents:	
SECUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity Required compor	Z5P 10.0° 92 % 17.500 cd/lm nents:	



#### **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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