

FLORENCE2-Z90

~90° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions Height

Fastening ROHS compliant 285.0 x 64.2 mm 8.1 mm screw yes ⁽¹⁾

MATERIAL SPECIFICATIONS:

Component FLORENCE2-Z90 **Type** Linear lens



F16007_FLORENCE2-Z90

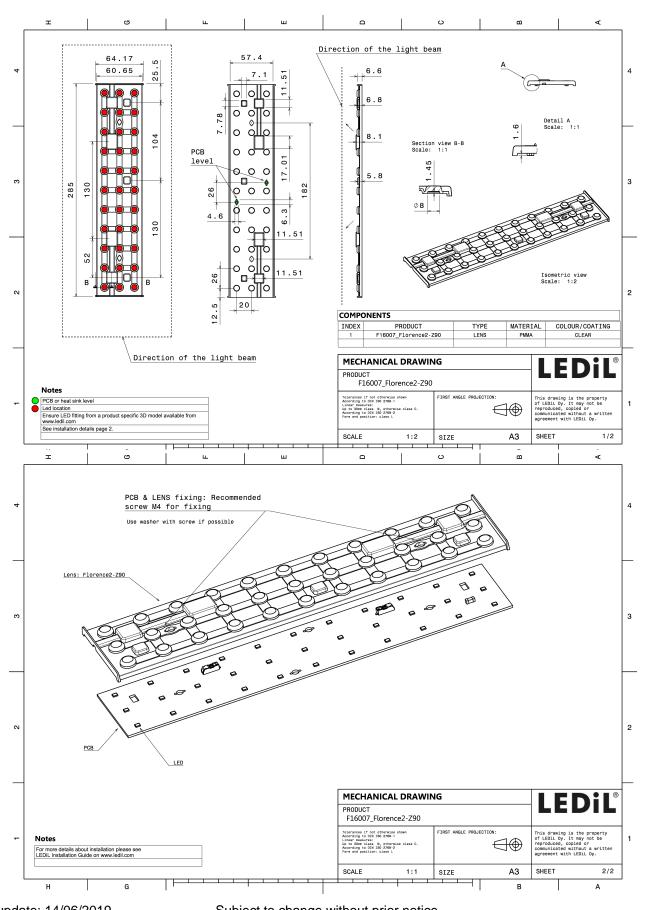
PRODUCT DATASHEET

Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component F16007_FLORENCE2-Z90 » Box size: 398 x 298 x 140 mm

Qty in box	MOQ	MPQ	Box weight (kg)
78	18	6	4.8



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Last update: 14/06/2019 Subject to change without prior notice LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	94 97 97 97 97 97 97 97 97 97 97
LG Innot LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LG 6030 85.0° 95 % 0.6 cd/lm 1 White	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON 5050 Round LES 82.0° 94 % 0.6 cd/lm 1 White	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON XR-3535L (L202 - xxxx033C30001) 83.0° 97 % 0.6 cd/lm 1 White	200 60 ⁴ 200 60 ⁴ 200 60 ⁴ 60 ⁴ 6



X NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NFSW757H 83.0° 94 % 0.6 cd/lm 1 White	
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	PL-BAR-G3 1100 280x55 82.0° 94 % 0.6 cd/lm 1 White	
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	PLG2-BAR-1100-xxx-280x55-DC 79.0° 94 % 0.6 cd/Im 1 White	
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	PLG2-BAR-2200-xxx-560x55-DC 79.0° 94 % 0.6 cd/lm 1 White	22 ³ 6 ³ 33 ⁵ 90° 90° 90° 90° 90° 90°



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OSRAM Opto Semiconductors			90* 90*
LED	Duris E5		25*
FWHM	82.0°		
Efficiency	94 %		50° 2000 50°
Peak intensity	0.6 cd/lm		
LEDs/each optic			
Light colour	White		az
Required compor	ents:		400
			30° 660 30°
OSRAM Opto Semiconductors			90* 90*
LED	Duris S8		
FWHM	84.0°	and the second se	710 711
Efficiency	94 %	A CONTRACTOR OF	
Peak intensity	0.6 cd/lm	and the second se	50 ⁴ 200 50 ⁴
LEDs/each optic			
Light colour	White		45'
Required compor			1/100-p
			30* 25 ⁵ 0 ⁶ 15* 30*
PHILIP			90° 90°
LED	Fortimo LED Line 1ft 1100lm 3R HV4		
FWHM	85.0°		
Efficiency	94 %	and the second se	504 594
Peak intensity	0.6 cd/lm	and the second se	
LEDs/each optic			
Light colour	White		45* 460 45*
Required compor	ents:		
			600
			30 ⁺ 13 ⁵ 0 ⁶ 10 ⁺ 30 ⁺
PHILIP	S		90*
LED	Fortimo LED Line 1ft 650lm 3R HV4 & LV4	and the second	
FWHM	82.0°		754
Efficiency	94 %	and the second se	200
		and the second se	50 ⁴ 50 ⁴
Peak intensity	0.6 Cd/lm		
Peak intensity LEDs/each optic	0.6 cd/lm 1		
Peak intensity LEDs/each optic Light colour			erer
LEDs/each optic Light colour	1 White		e7
LEDs/each optic	1 White		67 - 40
LEDs/each optic Light colour	1 White		6°
LEDs/each optic Light colour	1 White		67 - 660 - 67



	5		90* 90
	Fortimo LED Line 2ft 2200lm 3R HV4		
	35.0°	and the second se	
	94 %	and the second se	50 ⁴ 50
Peak intensity (LEDs/each optic).6 cd/lm		
	White		
Required compone			
i ioquirou compone			
			30* 15 [*] 0 [*] 15 [*] 30
SAMSU	NG		80*
LED I	M28xB Series		
FWHM 8	32.0°		750 75
•	93 %		
	0.6 cd/lm		60
LEDs/each optic			
	White		45° / / 400 45
Required compone	nts:		
			600
			30* 35 ⁵ 0 ⁶ 15* 30
SAMSU	NG		
	M561B Plus		
	31.0°		730 775
	94 %		
	0.6 cd/lm		60 ⁻
LEDs/each optic	I	and the second se	
	White	and the second se	651 65
Required compone	nts:		400
			30* 12* 0° 12* 30
SAMSU	NG		90*
	_T-R286A		
	31.0°		
Efficiency	94 %	and the second	200
	0.6 cd/lm	and the second	60* 60
LEDs/each optic		and the second	
-	White	and the second se	45° 440 45
Required compone	nts:		
			500



SEQUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	92* 92* 92* 200 65* 60° 60° 60° 60° 60° 60° 60° 60°
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	

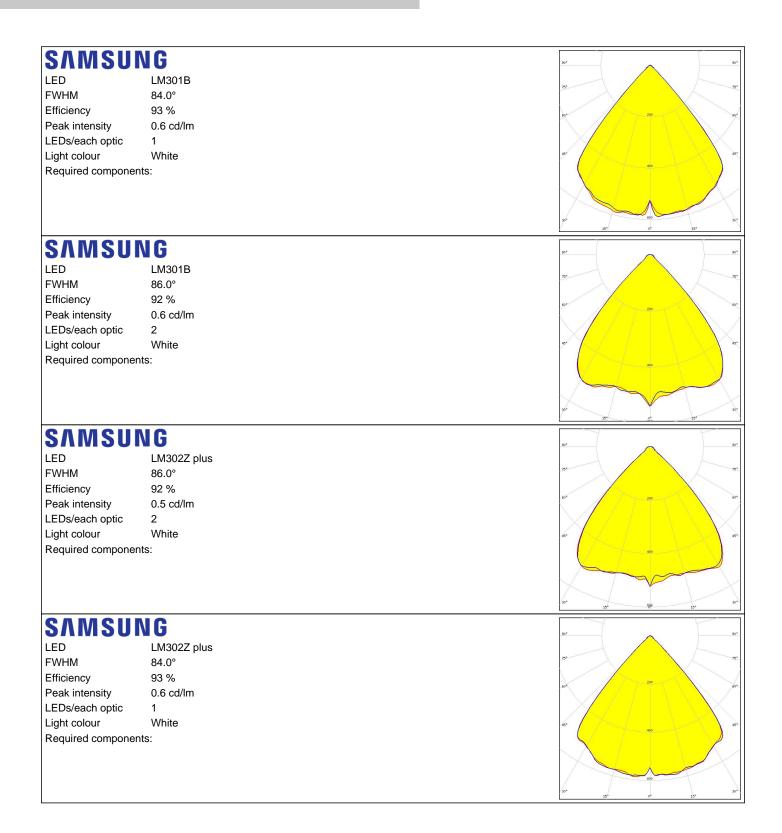


PHOTOMETRIC DATA (SIMULATED):

🕒 LG Innote	C	
		90* 99*
LED	LG 3528	759 784
FWHM	86.0°	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	ts:	
		34** 194 0 ⁰ 194 34*
	DS	907 907
LED	LUXEON 5050 Round LES	
FWHM	84.0°	<u>13</u> ,
Efficiency	94 %	
Peak intensity	0.6 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	or
Required componer		
Required componer	18.	
		30° 0° 15° 33°
		90 ⁴ 90 ⁴
LED	LUXEON 5050 Square LES	75-
FWHM	86.0°	
Efficiency	94 %	60 ⁵ 200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	\$9°
Required componer	ts:	
		34° 30° 30° 32°
OSRAM		
Opto Semiconductors	Duris S8	
FWHM	86.0°	73%
Efficiency	94 %	
Peak intensity	94 % 0.6 cd/lm	50 ⁴ 60*
LEDs/each optic	1	
Light colour	ı White	
Required componer		45°
Required componer	ເຈ.	
		30* 00 30* 30*



PHOTOMETRIC DATA (SIMULATED):





PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR	SEOUL DC 3030C	10°
FWHM	84.0°	75°
Efficiency	94 %	
		507 - 200 - 60°.
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400
Required componen	ts:	
		30* 30*
		15 ⁵ 0 ⁶ 15 ⁶
		6°. 60.
SEOUL SEMICONDUCTOR	SEQUE DC 3528	90 ⁻ 90 ⁻
seoul semiconductor LED	SEOUL DC 3528	23
seoul semiconductor LED FWHM	83.0°	33
seoul semiconductor LED FWHM Efficiency	83.0° 92 %	90° - 90° 33° - 90° 40° - 200 - 60°
seoul semiconductor LED FWHM Efficiency Peak intensity	83.0° 92 % 0.6 cd/lm	92* 90' 33* 90' 60* 500 60'
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	83.0° 92 % 0.6 cd/lm 1	97* 39* 60* 500 60*
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83.0° 92 % 0.6 cd/lm 1 White	97 - 97 33 - 79 60° - 500 - 60°. 40° - 60° - 60°.
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	83.0° 92 % 0.6 cd/lm 1 White	90° 73° 60° 65° 60° 60° 60° 60° 60° 60° 60°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83.0° 92 % 0.6 cd/lm 1 White	90 ⁴ 90 ⁴ 9
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83.0° 92 % 0.6 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83.0° 92 % 0.6 cd/lm 1 White	



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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