

# PRODUCT DATASHEET F15069\_FLORENCE-O

# **FLORENCE-O**

~85° + 35° oval beam

## **TECHNICAL SPECIFICATIONS:**

Dimensions	61.0 x 286.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes 🛈



## **MATERIAL SPECIFICATIONS:**

Component FLORENCE-O

Туре Linear lens

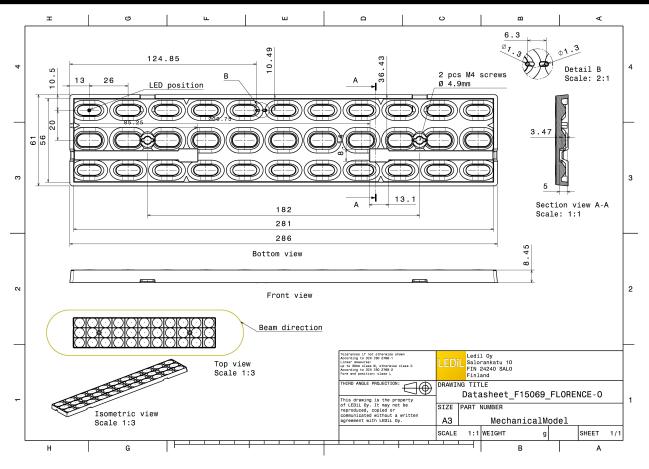
Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15069_FLORENCE-O	72	18	6	7.5
» Box size: 398 x 298 x 140 mm				



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



## PHOTOMETRIC DATA (MEASURED):

	.EDS	5°* 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON XR-3535L (L202 - xxxx033C30001) 93.0 + 45.0° / 133.0 + 113.0° 94 % 0.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NFSW757H 88.0 + 48.0° / 130.0 + 120.0° 93 % 0.7 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris E5 91.0 + 46.0° / 131.0 + 115.0° 92 % 0.7 cd/lm 1 White ents:	
PHILIE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Line 1ft 650lm 3R HV4 & LV4 92.0 + 46.0° / 132.0 + 116.0° 94 % 0.7 cd/lm 1 White ents:	



## PHOTOMETRIC DATA (MEASURED):

JNG	5)4 5
LM28xB Series 92.0 + 46.0° / 131.0 + 112.0° 87 % 0.6 cd/lm 1 White	
	100 of 100
SEOUL 3030 91.0 + 47.0° / 131.0 + 116.0° 92 % 0.6 cd/lm 1 White	
	20° 23° 7
SEOUL 5630C 92.0 + 44.0° / 132.0 + 111.0° 92 % 0.7 cd/lm 1	200 - 200 -
White nts:	5° 60 60 3° 50 6° 5°
SEOUL DC 3030 93.0 + 44.0° / 132.0 + 116.0° 94 % 0.7 cd/lm 1 White nts:	
	LM28xB Series 92.0 + 46.0° / 131.0 + 112.0° 87 % 0.6 cd/lm 1 White nts: SEOUL 3030 91.0 + 47.0° / 131.0 + 116.0° 92 % 0.6 cd/lm 1 White nts: SEOUL 5630C 92.0 + 44.0° / 132.0 + 111.0° 92 % 0.7 cd/lm 1 White nts: SEOUL DC 3030 93.0 + 44.0° / 132.0 + 116.0° 94 % 0.7 cd/lm 1



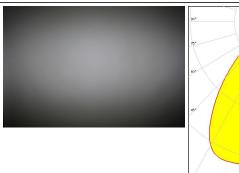
#### **PHOTOMETRIC DATA (MEASURED):**

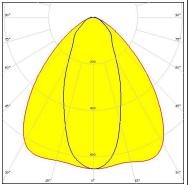
# TRIDONIC

LED

FWHM / FWTM91Efficiency94Peak intensity0.7LEDs/each optic1Light colourWRequired components:

LLE G2 55x280mm 2000lm 91.0 + 46.0° / 132.0 + 114.0° 94 % 0.7 cd/lm 1 White







		90* 90*
LED	J Series 5050 Round LES	75* 75*
FWHM / FWTM	87.0 + 51.0° / 129.0 + 113.0°	
Efficiency	92 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 400
Required components:		
		36° 35° 35°
	05	90° 90°
LED	LUXEON 5050 Round LES	
FWHM / FWTM	88.0 + 51.0° / 126.0 + 109.0°	
Efficiency	90 %	200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	ar
Required components:		400
		30° 30°
		159 0 <sup>0</sup> 15°
MICHIΛ		90°. 90°
LED	NFSx757G	30. 30.   30. 30.   30. 30.
LED FWHM / FWTM	83.0 + 35.0° / 122.0 + 86.0°	32. 33. 39. 122. 04. 122. 05. 122. 122. 122. 122. 122. 122. 122. 123. 124.
LED FWHM / FWTM Efficiency	83.0 + 35.0° / 122.0 + 86.0° 94 %	800 300 300 500 500 500 500 500 5
LED FWHM / FWTM Efficiency Peak intensity	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	10° 6° 10°   10° 60° 9°   10° 60° 9°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm	10° 0° 10°   10° 0° 10°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	300 600   301 300   302 300   303 300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	10° 0° 10°   9° 10° 0°   9° 200 0°   9° 200 0°   9° 200 0°   9° 0° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	15° 0 <sup>k</sup> 15°   9 <sup>k</sup> 9 <sup>k</sup> 9 <sup>k</sup> 9 <sup>k</sup> 200 6 <sup>k</sup> 9 <sup>k</sup> 200 6 <sup>k</sup> 9 <sup>k</sup> 9 <sup>k</sup> 9 <sup>k</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	10° 0° 10°   10° 0° 10°   10° 0° 0°   10° 0° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2	No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 % 0.9 cd/lm 1	er (
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>ED</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	83.0 + 35.0° / 122.0 + 86.0° 94 % 0.9 cd/lm 2 White NVSxE21A 93.0 + 28.0° / 121.0 + 71.0° 92 % 0.9 cd/lm 1	ar (



OSRAM Opto Semiconductors		90° 90°
LED	Duris S8	
FWHM / FWTM	90.0 + 63.0° / 132.0 + 125.0°	75
Efficiency	92 %	
Peak intensity	0.5 cd/lm	60 <sup></sup>
LEDs/each optic	1	
Light colour	White	95*
Required components:		
		4004
		310 320
		133 <sup>°</sup> 0 <sup>°</sup> 133 <sup>°</sup>
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	
FWHM / FWTM	92.0 + 33.0° / 124.0 + 73.0°	73°
Efficiency	95 %	
Peak intensity	0.9 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	5° 5°
Required components:		
0.0.0.0.0.0		13 <sup>5</sup> 0 <sup>6</sup> 13 <sup>6</sup>
SAMSUN	IG	90*
	LM301B	50 <sup>4</sup>
		99 <sup>4</sup> 99 <sup>5</sup>
LED	LM301B	50 <sup>4</sup> 50 <sup>4</sup>
LED FWHM / FWTM	LM301B 86.0 + 56.0° / 128.0 + 119.0°	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 %	59°
LED FWHM / FWTM Efficiency Peak intensity	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm	99 <sup>4</sup> 99 <sup>4</sup> 73 <sup>4</sup> 72 <sup>4</sup> 99 <sup>4</sup> 200 60 <sup>4</sup> 55 <sup>4</sup> 60 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	30, 30, 20, 20,   60, 500 60, 50,   52, 500 60, 50,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 %	30, 30,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	30, 30,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White	30, 30,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 % 0.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 86.0 + 56.0° / 128.0 + 119.0° 92 % 0.6 cd/lm 2 White LM301B 90.0 + 35.0° / 126.0 + 87.0° 94 % 0.8 cd/lm 1	



SAMSUN	IG	50, 30,
LED	LM301D	75
FWHM / FWTM	90.0 + 40.0° / 126.0 + 92.0°	
Efficiency	90 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	437 451
Required components:		un de la constante
		26° 25° 80 35°
SVWSUN	IG	90° 90°
LED	LM302B	75
FWHM / FWTM	90.0 + 33.0° / 124.0 + 79.0°	
Efficiency	92 %	eve eve
Peak intensity	0.9 cd/lm	1670
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		329
		30* 15* 0* 15* 30*
SAMSUN	IG	90° 99°
LED	LM302Z plus	
FWHM / FWTM	78.0 + 37.0° / 117.0 + 91.0°	200
Efficiency	93 %	60* 60*
Peak intensity	0.9 cd/lm	
LEDs/each optic	2	400
Light colour	White	a24 a24
Required components:		
		30° 0° 30°
SAMSUN	IG	50° 53°
LED	LM561B Plus	
FWHM / FWTM	90.0 + 37.0° / 126.0 + 95.0°	75
Efficiency	91 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour Required components:	White	¢*
		N <sup>6</sup> B <sup>1</sup> B <sup>1</sup> B <sup>1</sup>



SAMSUI	VG	20* 20*
LED	LM561C	
FWHM / FWTM	90.0 + 35.0° / 125.0 + 84.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		200 300 300 300 300 300 300 300 300 300
SEOUL SEMICONDUCTOR		997 997
LED	SEOUL 5630D	
FWHM / FWTM	87.0 + 37.0° / 126.0 + 90.0°	
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	360
Light colour	White	9° / ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °
Required components:		200 200 200 200 200 200 200 200 200 200
		307 307
LED	SEOUL DC 3030C	
FWHM / FWTM	92.0 + 36.0° / 128.0 + 87.0°	37
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



## PRODUCT DATASHEET F15069\_FLORENCE-O

#### **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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#### LEDiL Oy

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