

FLORENTINA-HLD-O-90

~35° + 15° oval beam. Variant with beam direction rotated 90°.

SPECIFICATION:

Dimensions	285.6 x 19.5
Height	9.7 mm
Fastening	screw
ROHS compliant	yes ⓘ

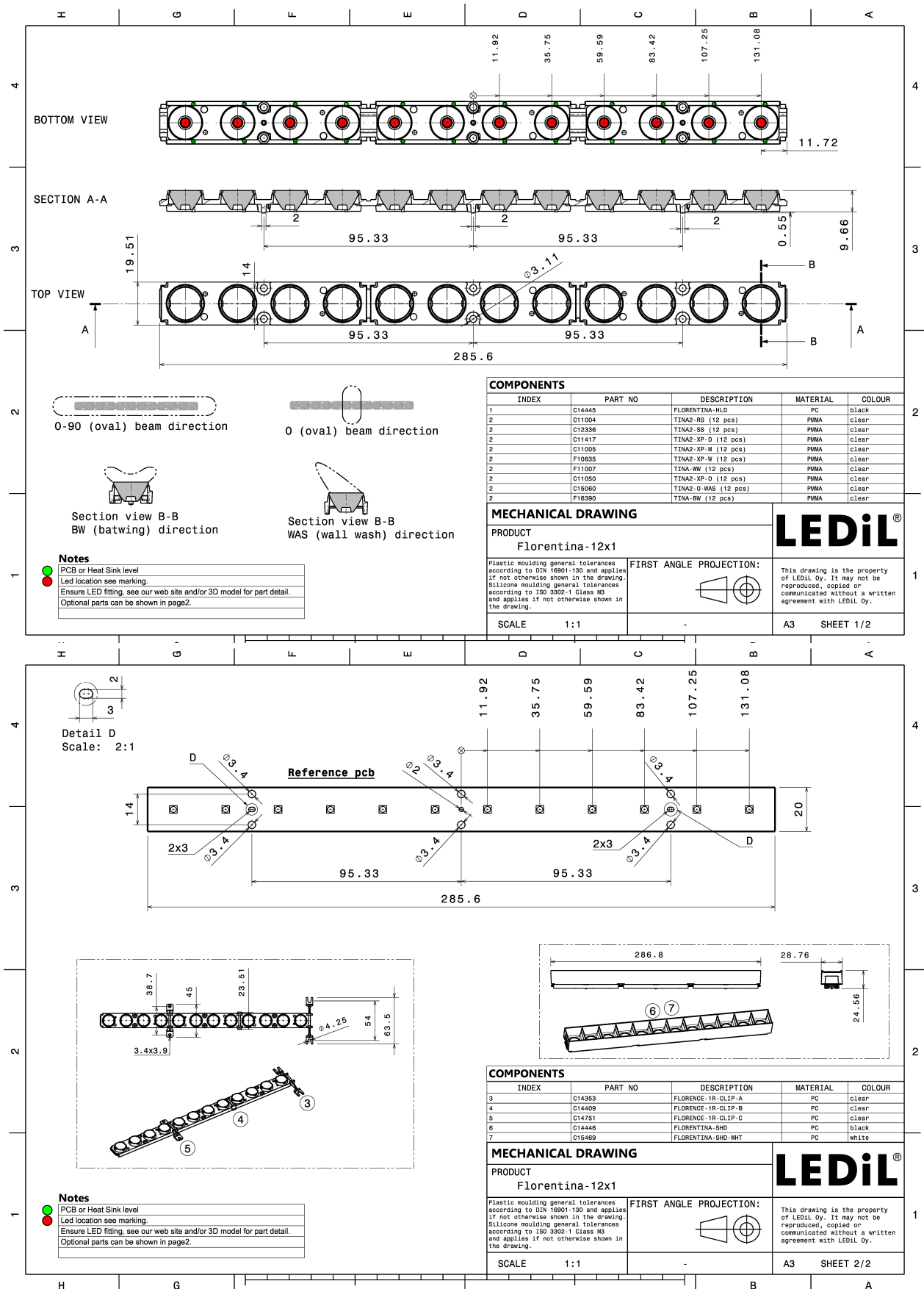


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA2-XP-O	Single lens	PMMA	clear		
FLORENTINA-HLD	Holder	PC	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP15678_FLORENTINA-HLD-O-90	Single lens	160	32	16	5.4
» Box size: 390 x 300 x 130 mm					

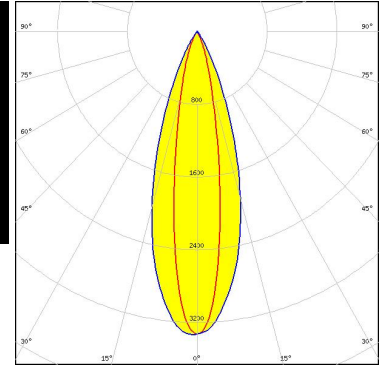


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



LED QUICK FLUX LED FL-XG 1x12 xxx
 FWHM / FWTM 18.0 + 34.0° / 40.0 + 58.0°
 Efficiency 79 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



LED XP-E2
 FWHM / FWTM 35.0 + 12.0° / 83.0°
 Efficiency 83 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD

Light distribution files



LED XP-G2
 FWHM / FWTM 34.0 + 15.0° / 91.0°
 Efficiency 83 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD

Light distribution files

OPTICAL RESULTS (MEASURED):



LED LUXEON Rebel ES
FWHM / FWTM 33.0 + 17.0° / 94.0°
Efficiency 79 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

[Light distribution files](#)



LED LUXEON Rebel Plus
FWHM / FWTM 33.0 + 15.0° / 88.0°
Efficiency 81 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

[Light distribution files](#)



LED LUXEON TX
FWHM / FWTM 34.0 + 16.0° / 93.0°
Efficiency 81 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



LED LUXEON Z ES
FWHM / FWTM 34.0 + 13.0° / 81.0°
Efficiency 82 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

[Light distribution files](#)



LED NCSxx19B
FWHM / FWTM 34.0 + 14.0° / 88.0°
Efficiency 79 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

[Light distribution files](#)

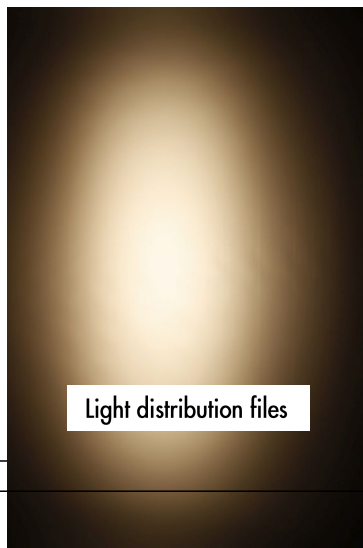


LED NVSxx19B/NVSxx19C
FWHM / FWTM 34.0 + 17.0° / 97.0°
Efficiency 78 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

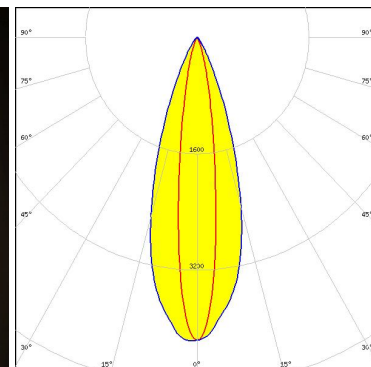
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 15.0 + 34.0° / 92.0°
Efficiency 85 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD



Light distribution files



OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 33.0 + 15.0° / 91.0°
Efficiency 79 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 34.0 + 18.0° / 100.0°
Efficiency 94 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

Light distribution files

OPTICAL RESULTS (MEASURED):

TOSHIBA
Leading Innovation >>>

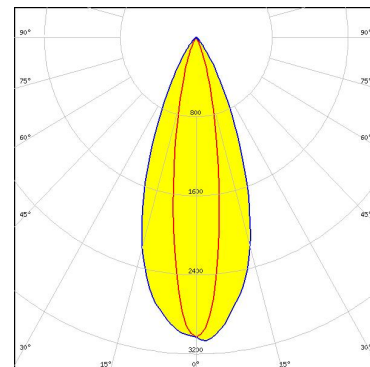
LED	TL1L4
FWHM / FWTM	34.0 + 17.0° / 95.0°
Efficiency	79 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

OPTICAL RESULTS (SIMULATED):



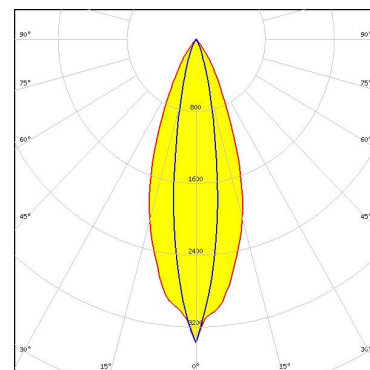
LED JB3030 HE B Class
 FWHM / FWTM 18.0 + 40.0° / 40.0 + 68.0°
 Efficiency 87 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2 HE
 FWHM / FWTM 36.0 + 18.0° / 66.0 + 39.0°
 Efficiency 84 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files

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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LEDiL Oy

Joensuunkatu 7
FI-24100 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
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