

FLORENCE-Z90-B

~90° wide beam with added compatibility for Philips G4 LED modules

SPECIFICATION:

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

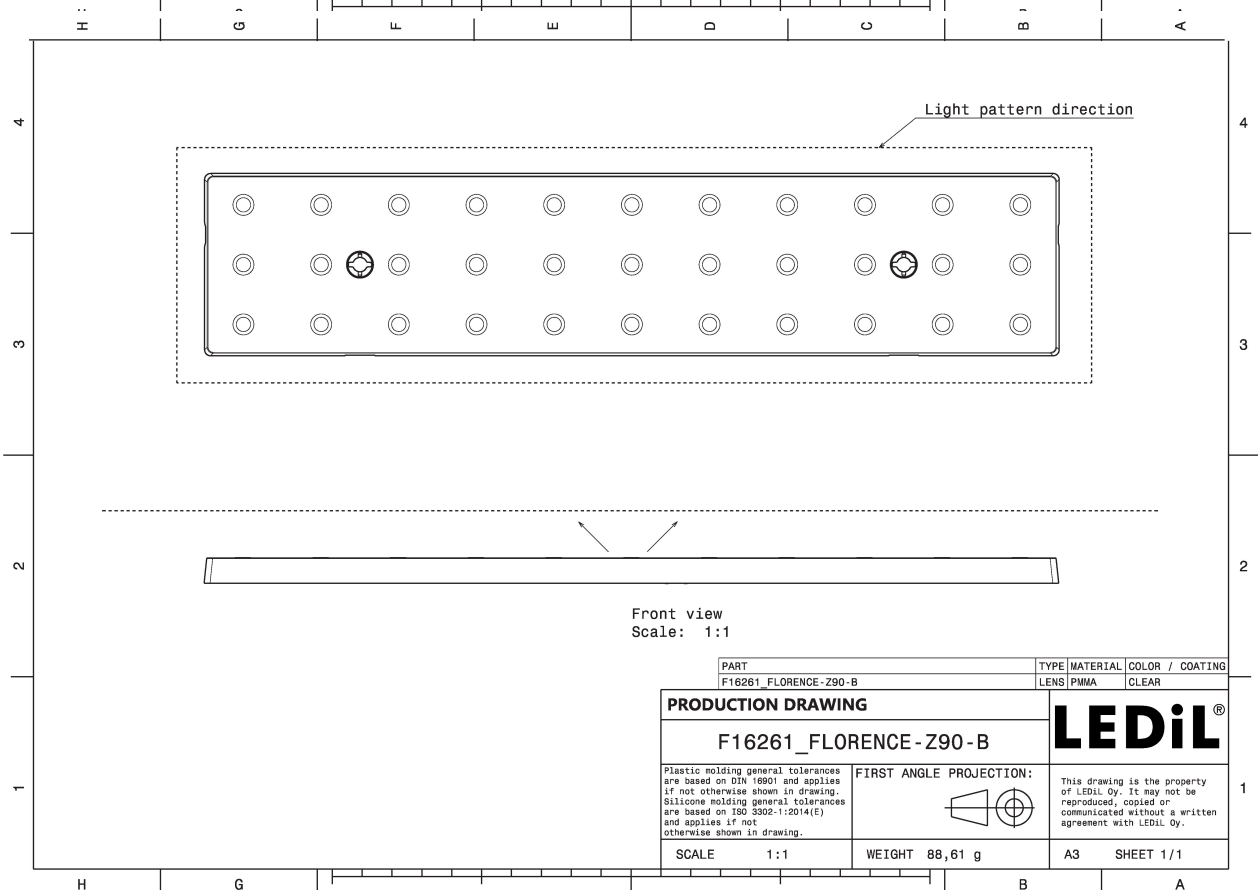
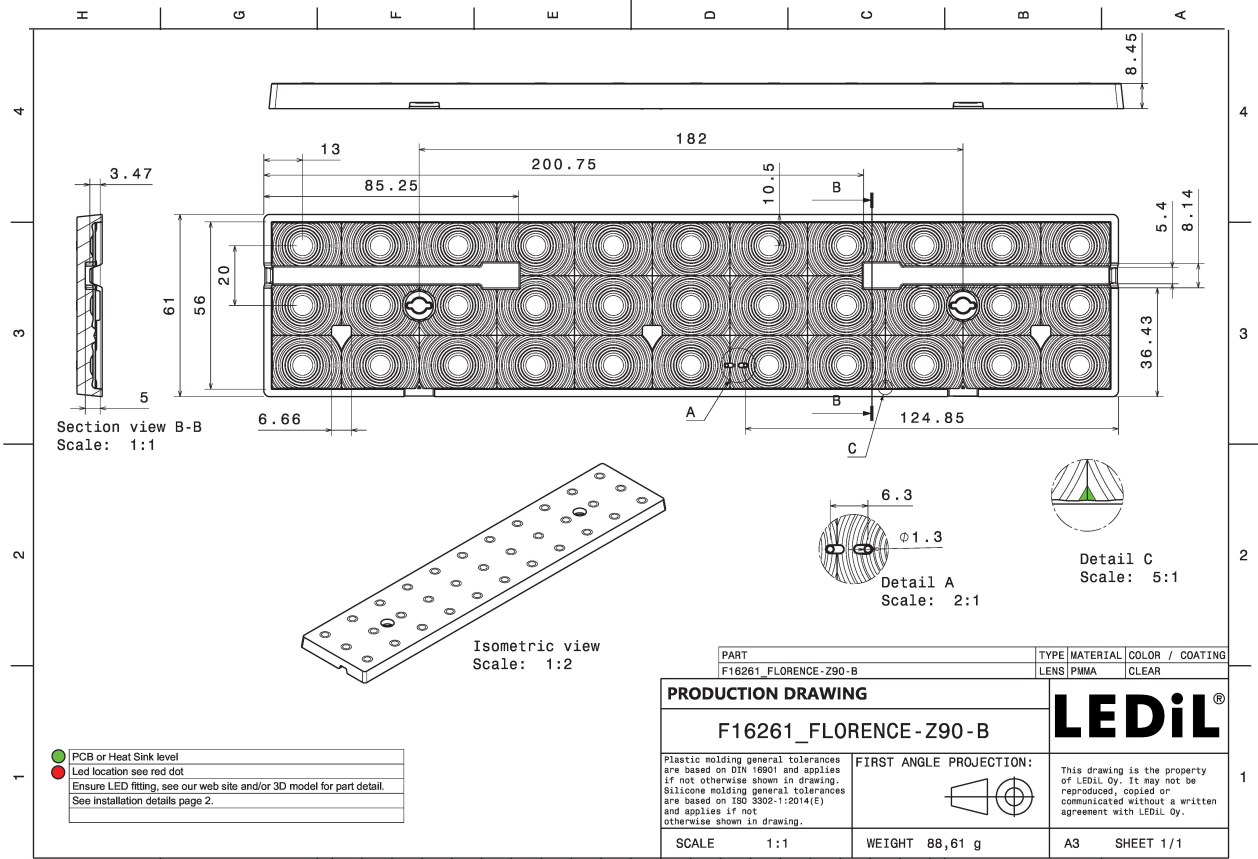


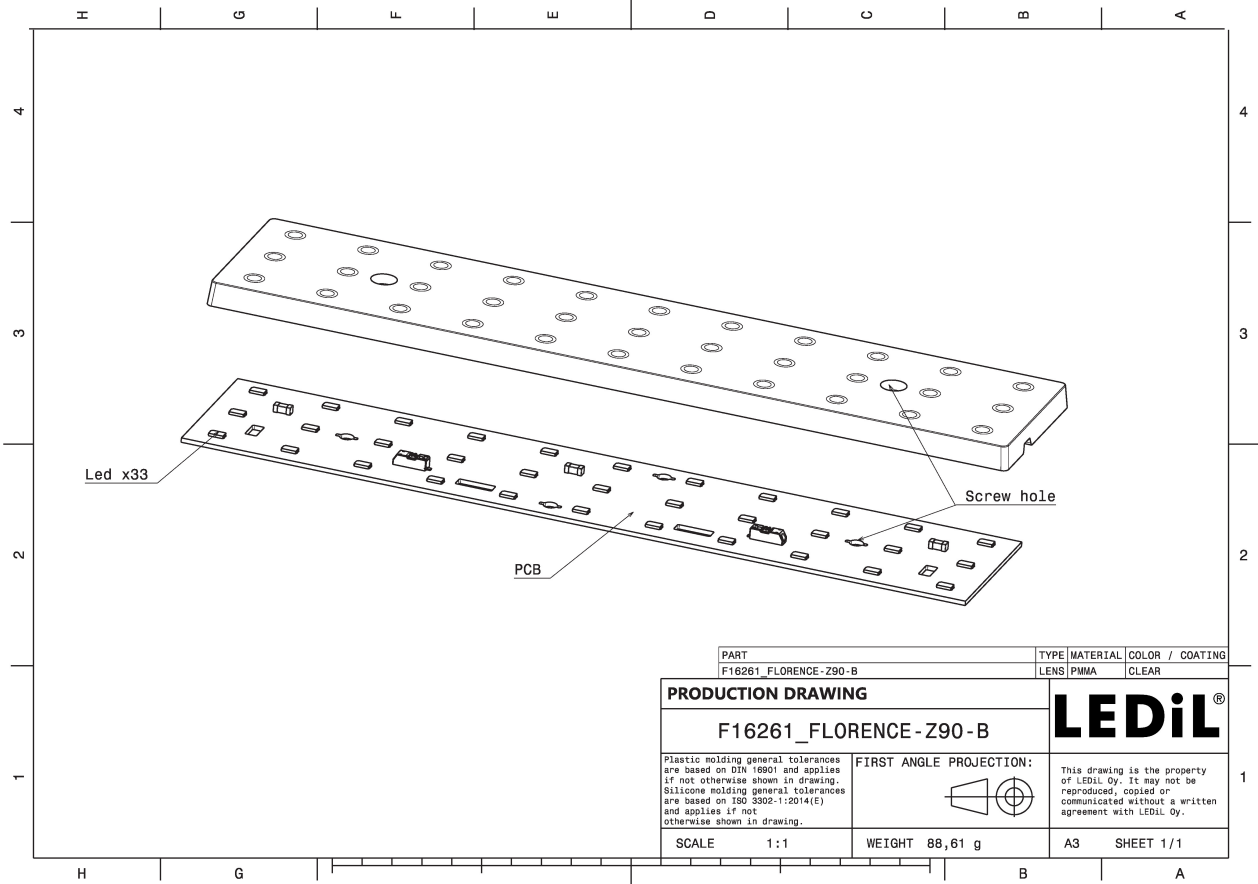
MATERIALS:

Component	Type	Material	Colour	Finish	Length
FLORENCE-Z90-B	Linear lens	PMMA	clear		61.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16261_FLORENCE-Z90-B » Box size: 398 x 298 x 140 mm	72	18	6	7.8





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

OPTICAL RESULTS (MEASURED):



LED XH-B/G
FWHM / FWTM 95.0° / 140.0°
Efficiency 82 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 91.0° / 132.0°
Efficiency 87 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED LUXEON 3535 2D
FWHM / FWTM 92.0° / 135.0°
Efficiency 87 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



LED LUXEON 3535L HE
FWHM / FWTM 92.0° / 139.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED LUXEON XR-3535L (L202 - xxxx033C30001)
FWHM / FWTM 91.0° / 134.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED MP-2016
FWHM / FWTM 90.0° / 140.0°
Efficiency 91 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



LED NF2x757D
FWHM / FWTM 92.0° / 134.0°
Efficiency 90 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OSRAM

LED PLG2-BAR-1100-xxx-280x55-DC
FWHM / FWTM 92.0° / 138.0°
Efficiency 92 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED Duris E5
FWHM / FWTM 92.0° / 135.0°
Efficiency 88 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED Duris S2
FWHM / FWTM 95.0° / 165.0°
Efficiency 90 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OSRAM
Opto Semiconductors

LED Duris S5 (Single chip)
FWHM / FWTM 91.0° / 133.0°
Efficiency 88 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OSRAM
Opto Semiconductors

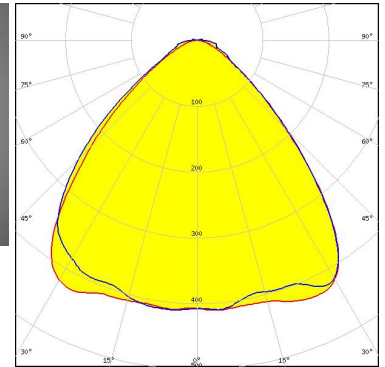
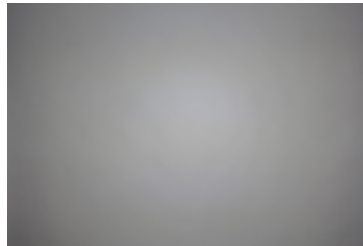
LED OSCONIQ P 2226
FWHM / FWTM 94.0° / 140.0°
Efficiency 83 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

PHILIPS

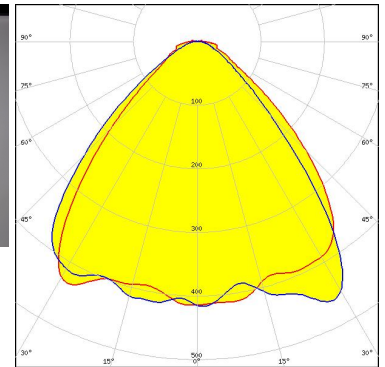
LED Fortimo LED Line 1ft 1100lm 3R HV4
FWHM / FWTM 91.0° / 127.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4
FWHM / FWTM 87.0° / 123.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM231 A/B
FWHM / FWTM 91.0° / 134.0°
Efficiency 88 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LM561B
FWHM / FWTM 86.0° / 133.0°
Efficiency 85 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

SAMSUNG

LED LM561B Plus
FWHM / FWTM 92.0° / 141.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

SAMSUNG

LED LM561C
FWHM / FWTM 92.0° / 140.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

SAMSUNG

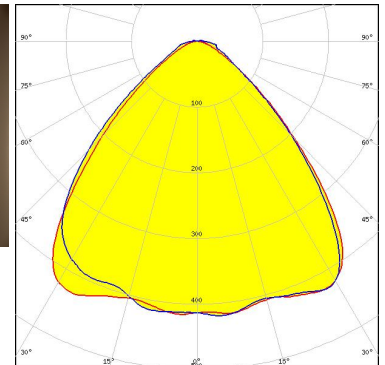
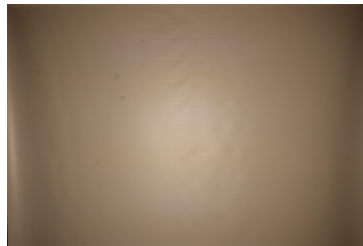
LED LT-R286A
FWHM / FWTM 93.0° / 140.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



SEOUL SEMICONDUCTOR

LED SEOUL 5630C
FWHM / FWTM 91.0° / 129.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

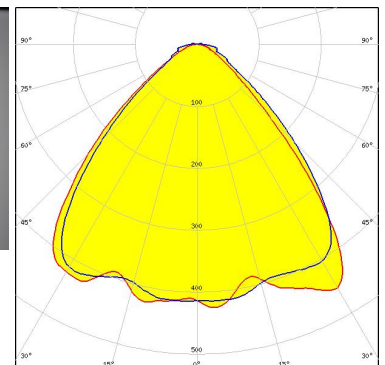


Light distribution files



SEOUL SEMICONDUCTOR

LED SEOUL DC 3030
FWHM / FWTM 91.0° / 123.0 + 135.0°
Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

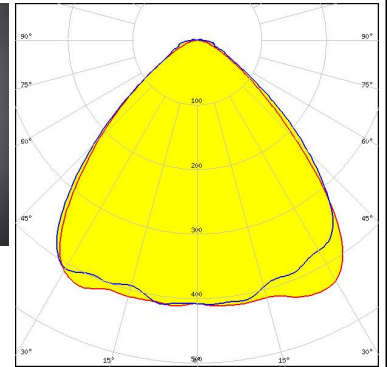
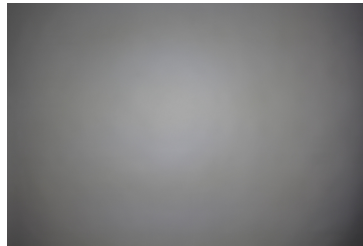


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED LLE G2 55x280mm 2000lm
FWHM / FWTM 92.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

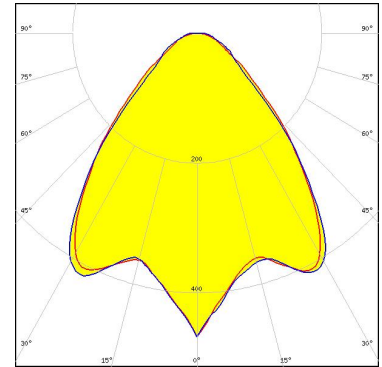


Light distribution files

OPTICAL RESULTS (SIMULATED):



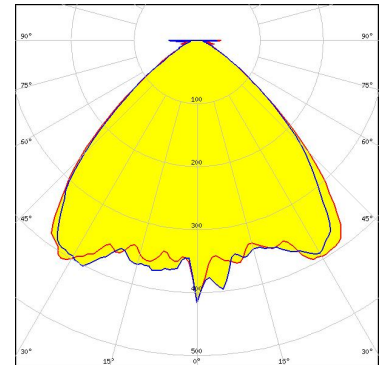
LED J Series 2835
FWHM / FWTM 84.0° / 130.0°
Efficiency 86 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 95.0° / 126.0°
Efficiency 92 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NF2x757G
FWHM / FWTM 90.0° / 146.0°
Efficiency 80 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

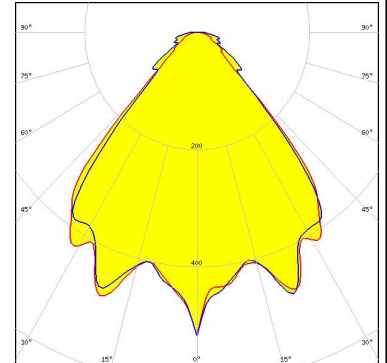


LED	NVSxE21A
FWHM / FWTM	90.0° / 163.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



LED	SEOUL DC 3528
FWHM / FWTM	82.0° / 114.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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:

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