

FLORENTINA-1-W

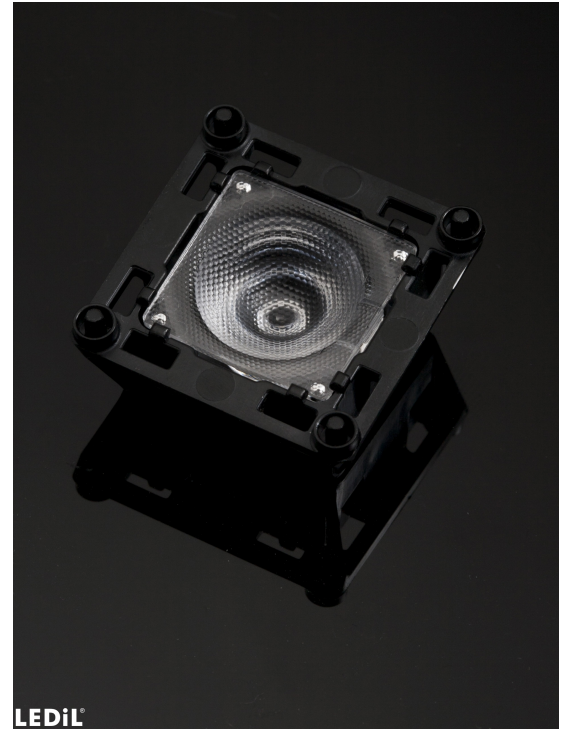
~40° wide beam

SPECIFICATION:

Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

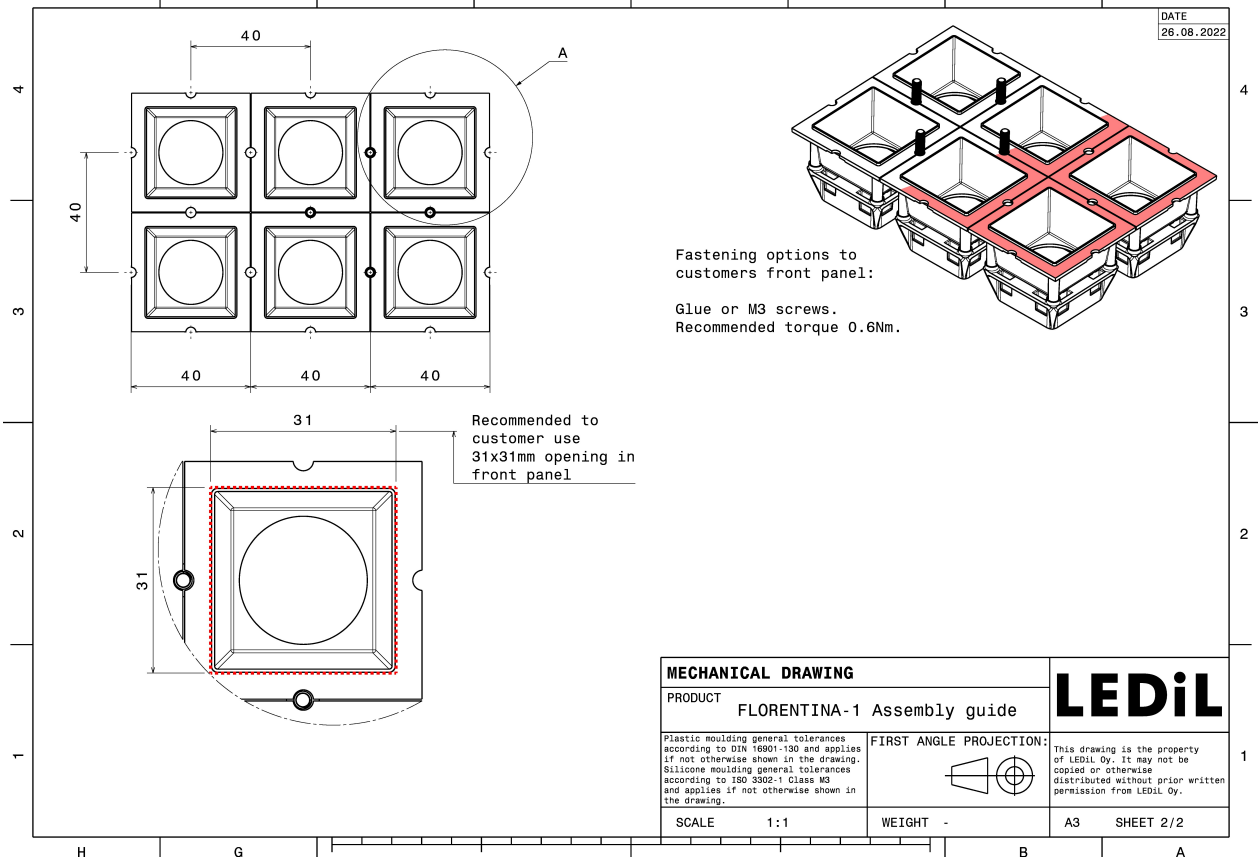
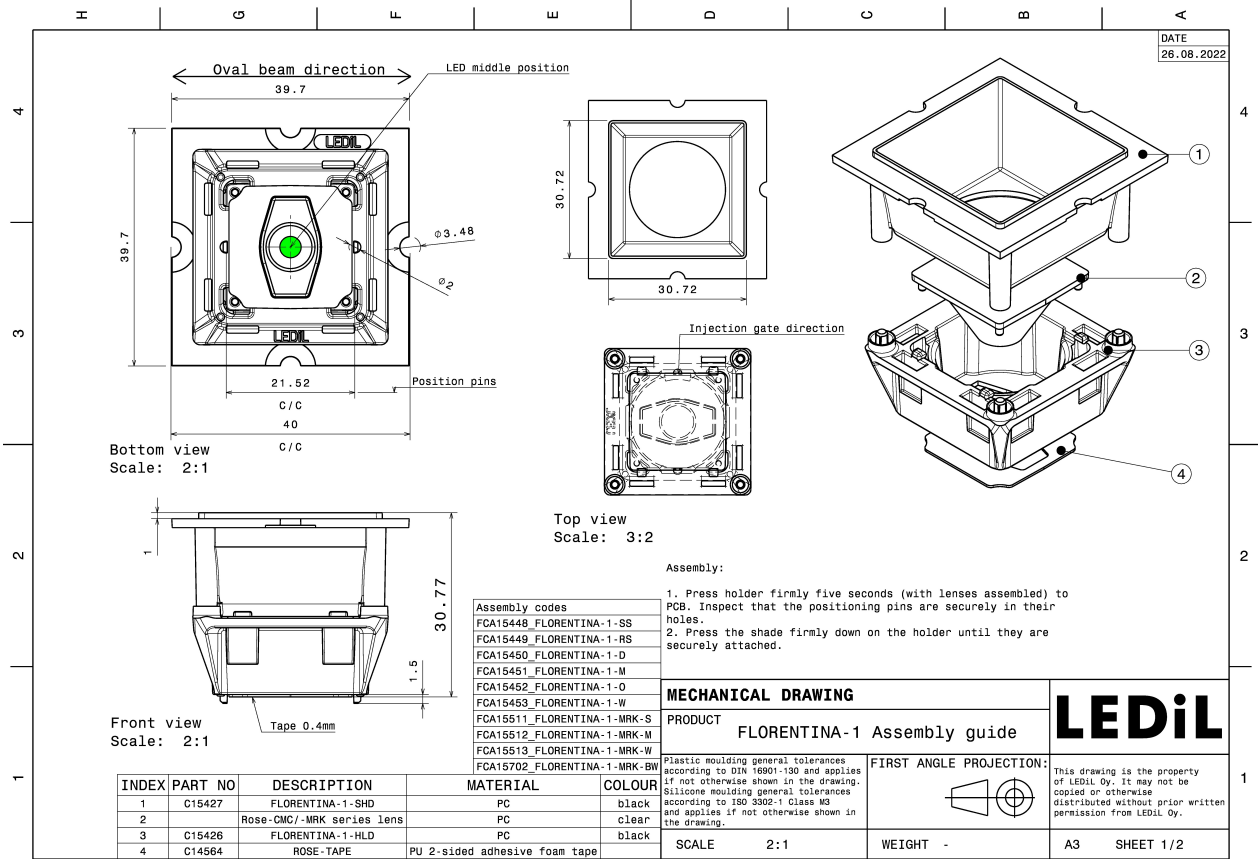
MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-C-C-W-V4	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	




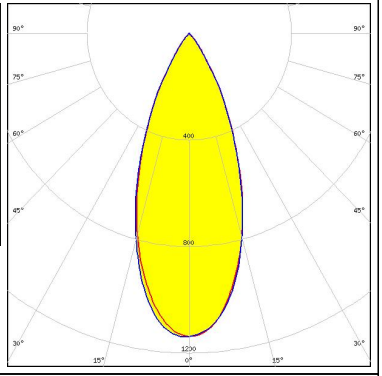

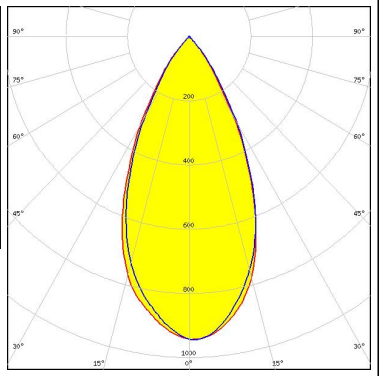

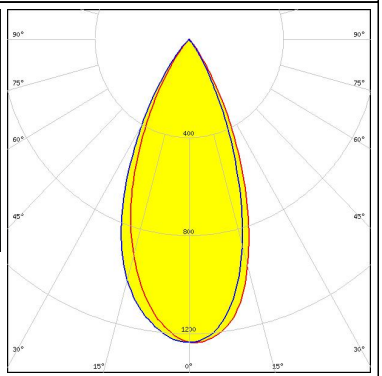

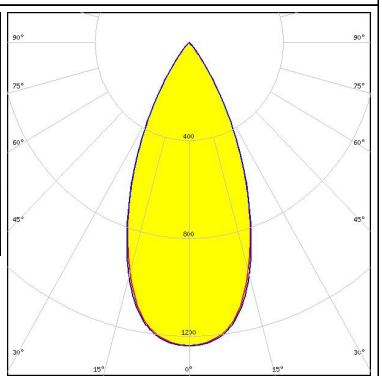
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15453_FLORENTINA-1-W	Single lens	840		60	7.1
» Box size: 480 x 280 x 300 mm					


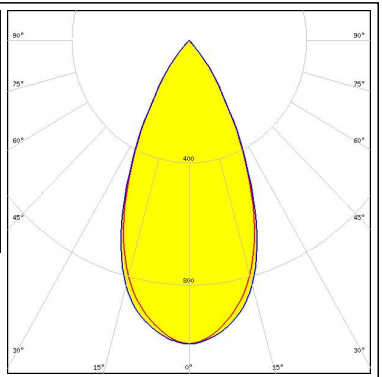

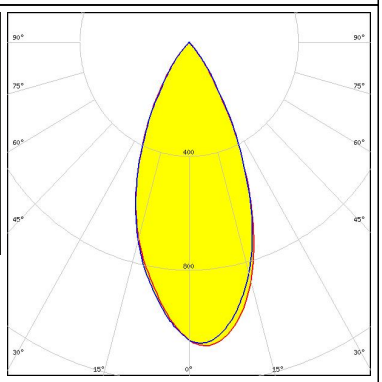
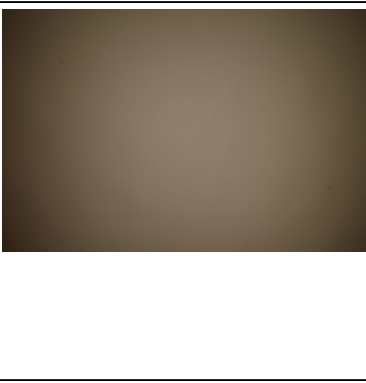
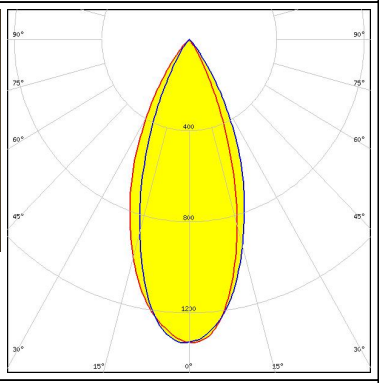

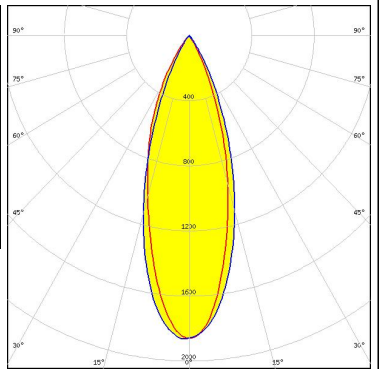


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>bridgelux</p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 41.0° / 68.0°</p> <p>Efficiency 61 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p>CREE LEDs</p> <p>LED XHP35 HD</p> <p>FWHM / FWTM 50.0° / 78.0°</p> <p>Efficiency 67 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p>CREE LEDs</p> <p>LED XHP35 HI</p> <p>FWHM / FWTM 45.0° / 71.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p>CREE LEDs</p> <p>LED XP-G2</p> <p>FWHM / FWTM 44.0° / 71.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		

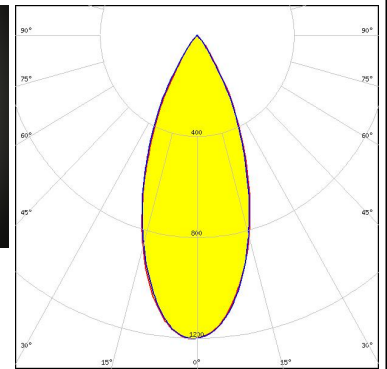
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XP-L HD FWHM / FWTM 49.0° / 77.0° Efficiency 69 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>CREE LEDs</p> <p>LED XP-L2 FWHM / FWTM 45.0° / 74.0° Efficiency 65 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>CREE LEDs</p> <p>LED XT-E FWHM / FWTM 42.0° / 68.0° Efficiency 68 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>LUMILEDS</p> <p>LED LUXEON 3030 2D (Round LES) FWHM / FWTM 34.0° / 61.0° Efficiency 72 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

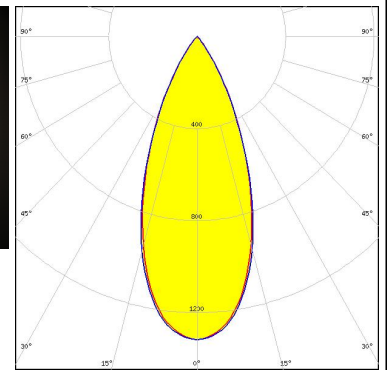
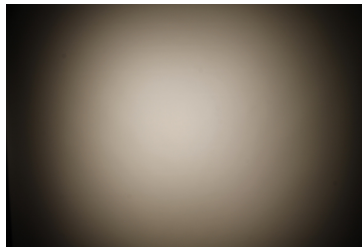
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 42.0° / 69.0°
 Efficiency 64 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



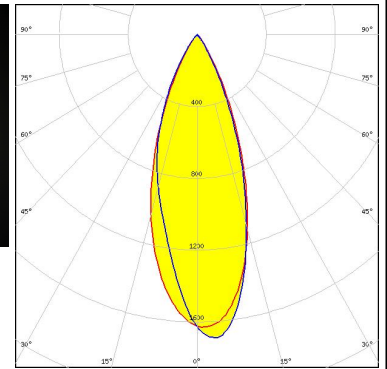
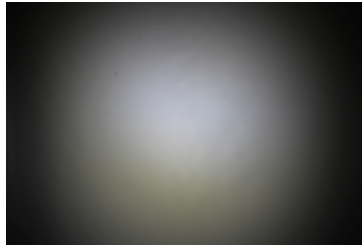
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 42.0° / 70.0°
 Efficiency 71 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



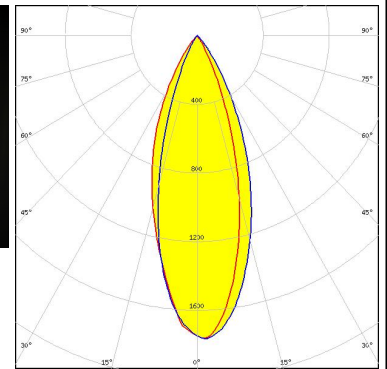
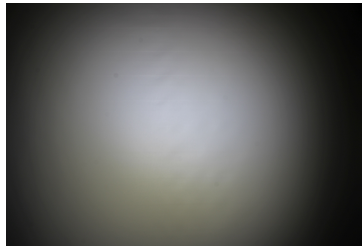
NICHIA

LED NF2x757G
 FWHM / FWTM 36.0° / 64.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT


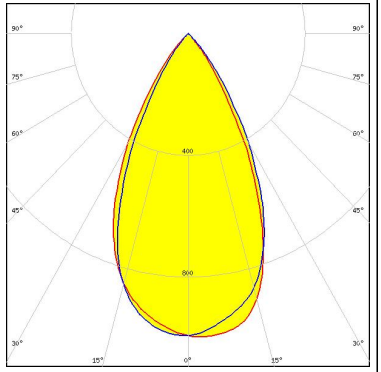
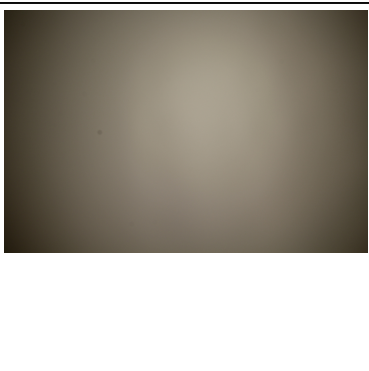
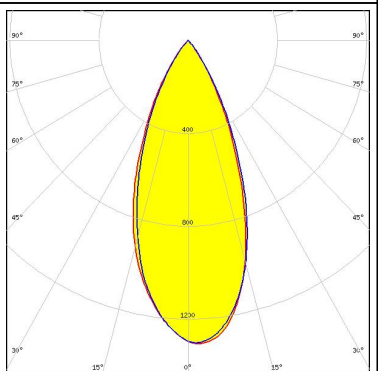

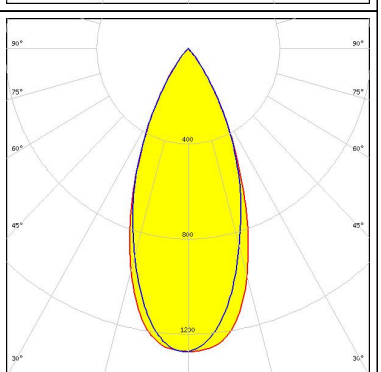

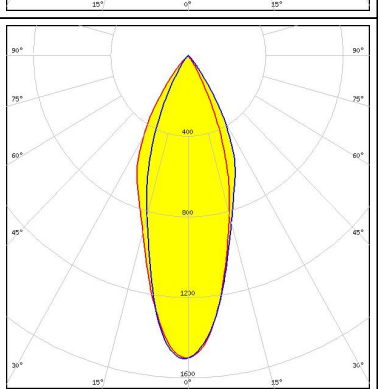


NICHIA

LED NF2x757G
 FWHM / FWTM 31.0° / 52.0°
 Efficiency 81 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



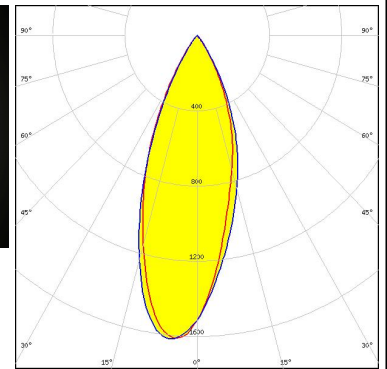
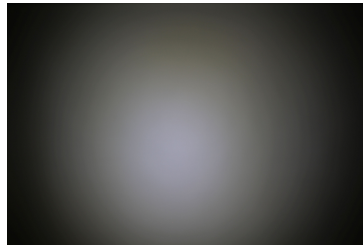
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 53.0° / 79.0° Efficiency 74 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 43.0° / 71.0° Efficiency 71 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 44.0° / 72.0° Efficiency 73 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150 FWHM / FWTM 36.0° / 69.0° Efficiency 69 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (MEASURED):

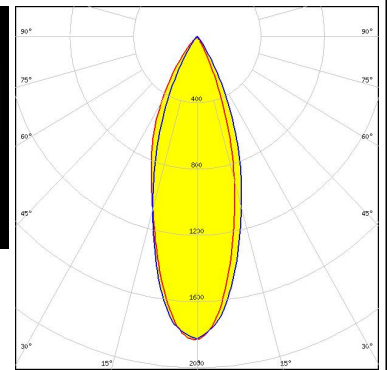
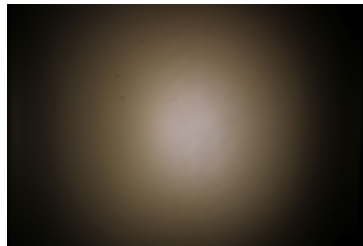
SAMSUNG

LED LM561B
 FWHM / FWTM 35.0° / 65.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



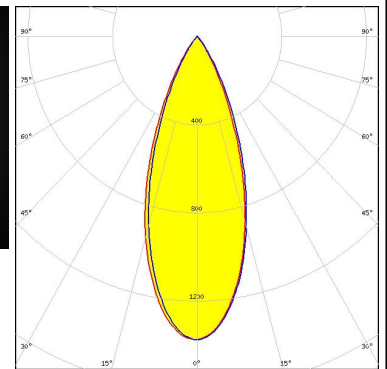
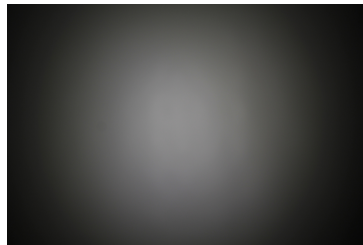
SEOUL SEMICONDUCTOR

LED SEOUL 5630
 FWHM / FWTM 34.0° / 63.0°
 Efficiency 74 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR

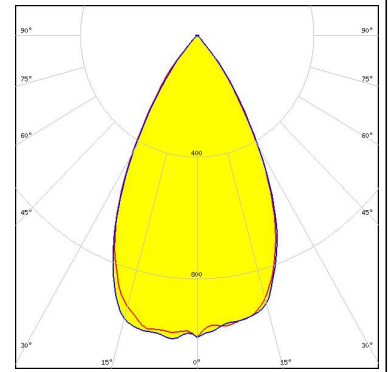
LED Z8Y22P
 FWHM / FWTM 38.0° / 65.0°
 Efficiency 63 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OPTICAL RESULTS (SIMULATED):



LED	XP-G2 HE
FWHM / FWTM	57.0° / 81.0°
Efficiency	83 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C15427_FLORENTINA-1-SHD-60



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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