

FLORENTINA-1-O

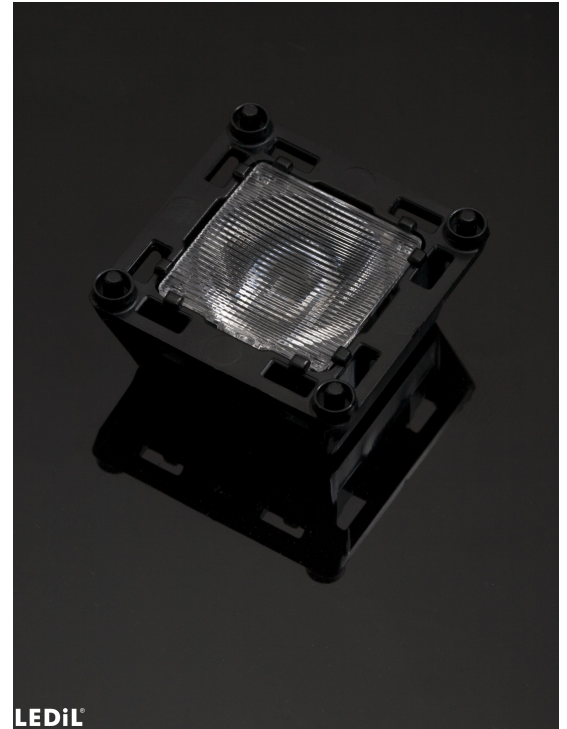
~45° + 15° oval beam

SPECIFICATION:

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

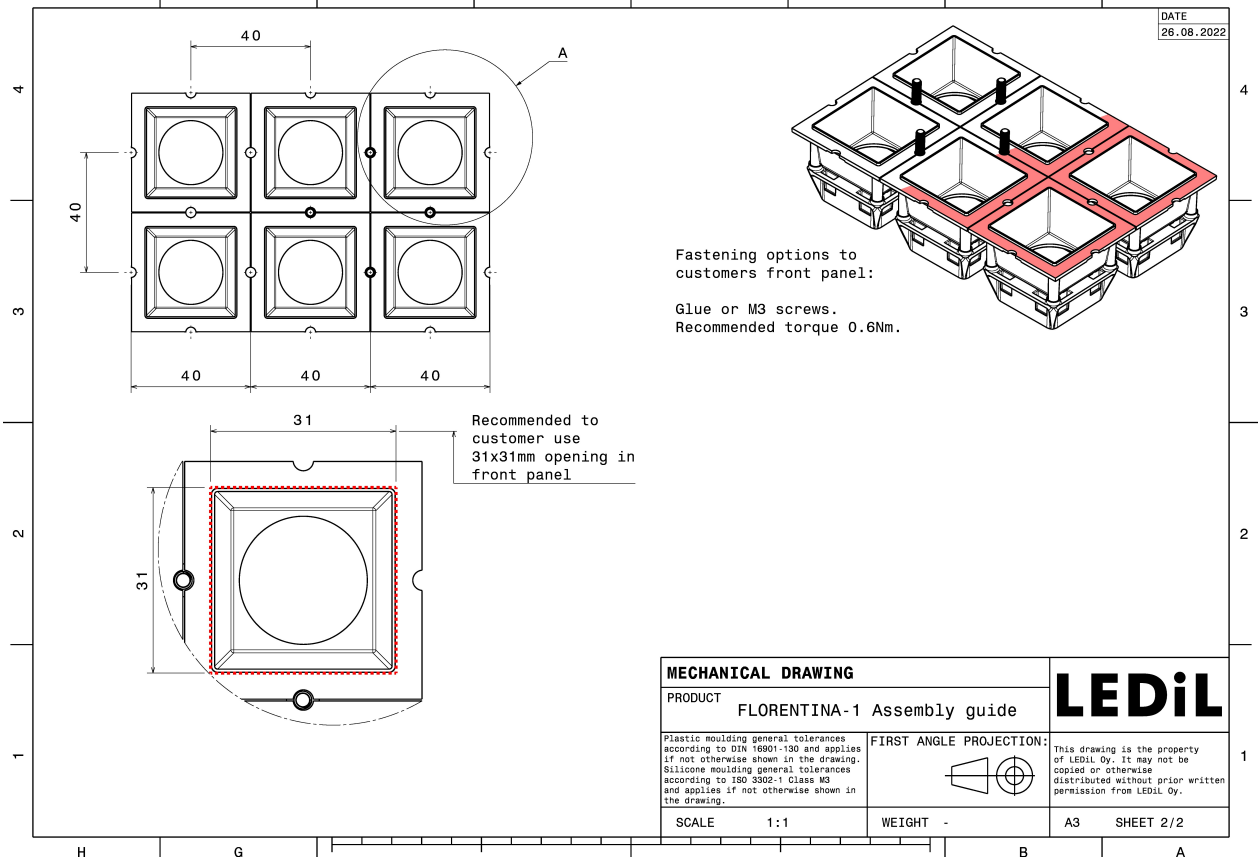
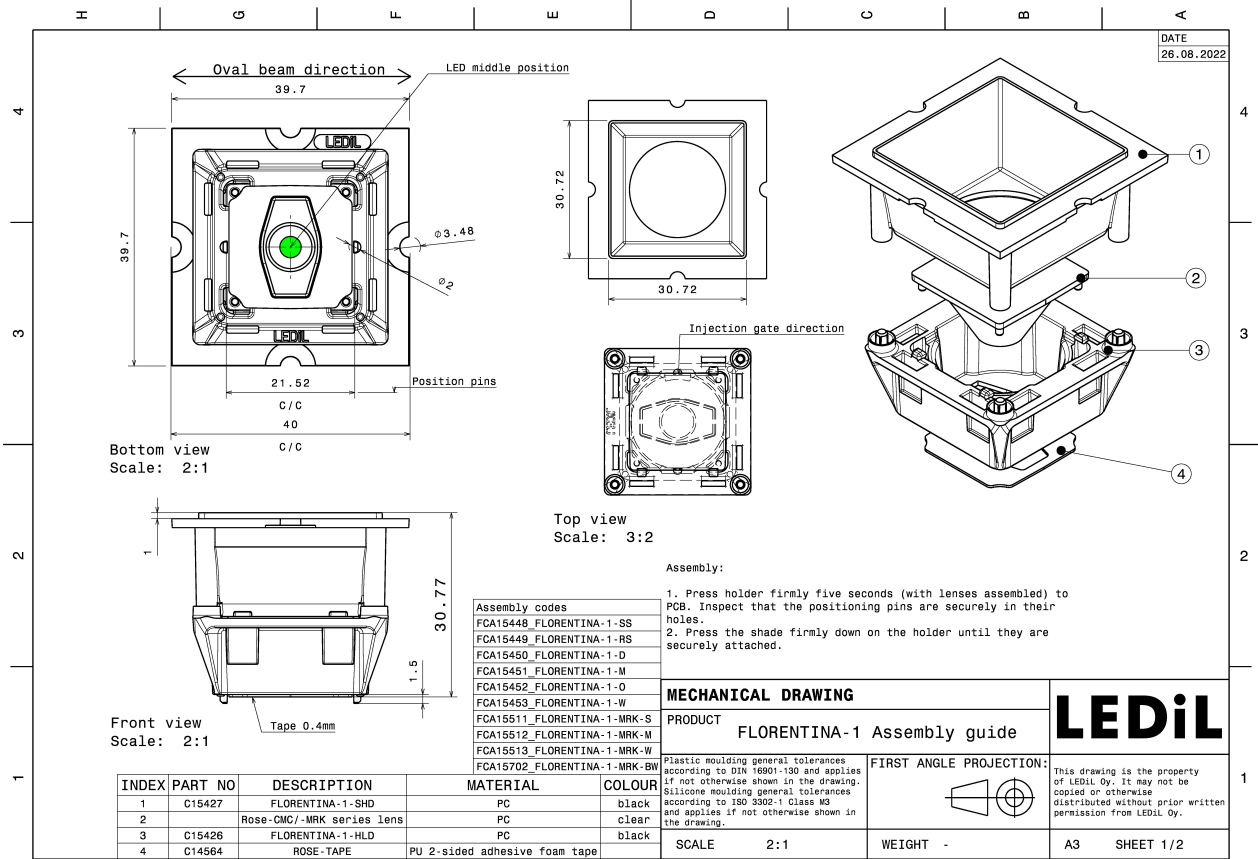
MATERIALS:

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




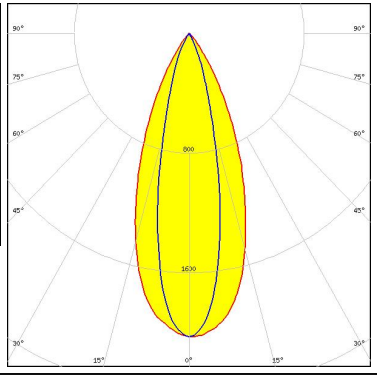

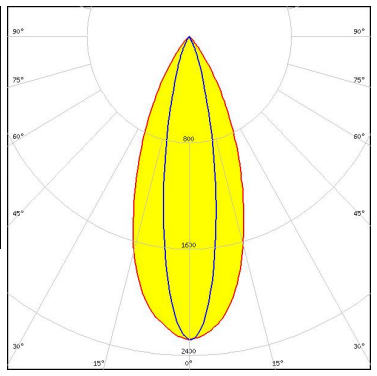

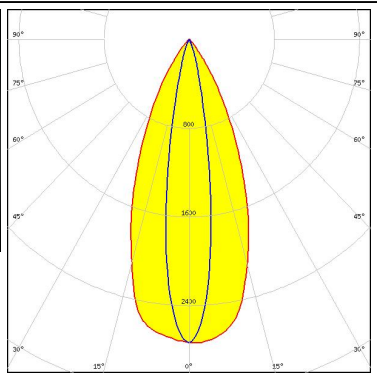
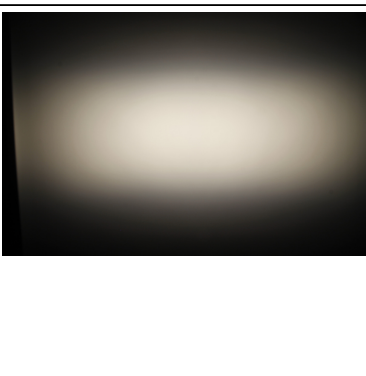
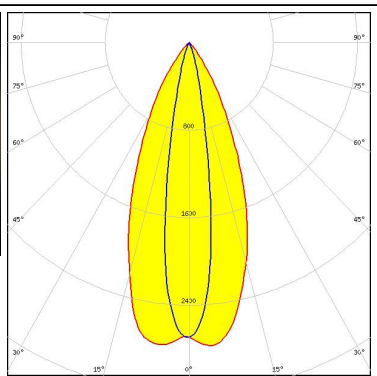
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15452_FLORENTINA-1-O	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					

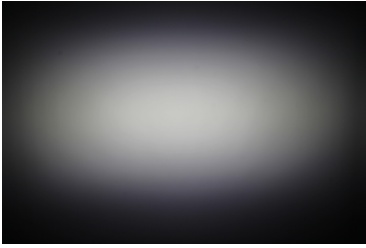
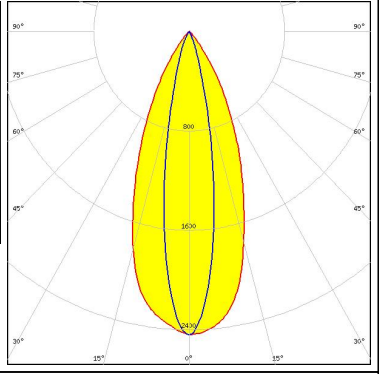
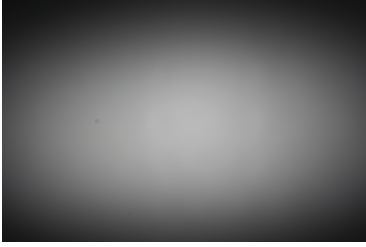
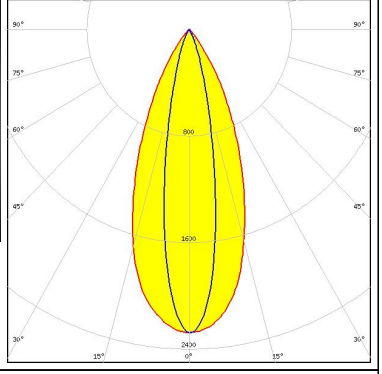
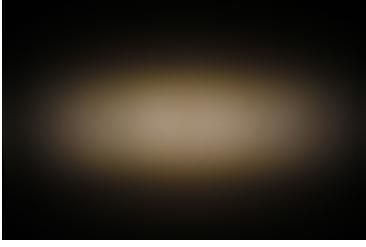
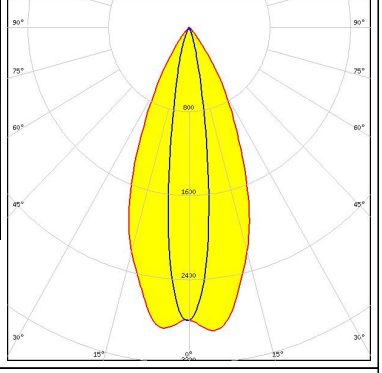
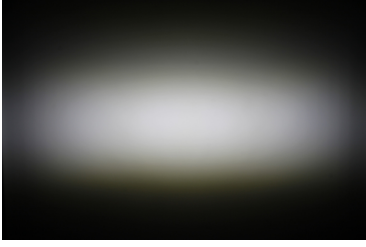
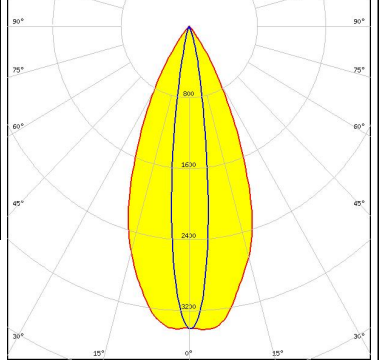


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>bridgelux</p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 42.0 + 24.0° / 70.0 + 47.0°</p> <p>Efficiency 71 %</p> <p>Peak intensity 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 XHP35 HD</p> <p>FWHM / FWTM 42.0 + 21.0° / 72.0 + 42.0°</p> <p>Efficiency 71 %</p> <p>Peak intensity 2.3 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>		
<p>CREE LEDs</p> <p>LED XHP35 HI</p> <p>FWHM / FWTM 28.0° / 49.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G2</p> <p>FWHM / FWTM 44.0 + 18.0° / 72.0 + 33.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 2.8 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>		

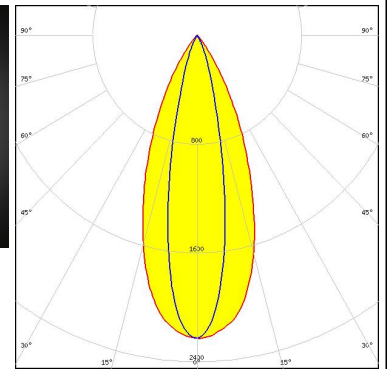
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XP-L HD FWHM / FWTM 43.0 + 19.0° / 72.0 + 38.0° Efficiency 71 % Peak intensity 2.4 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 43.0 + 20.0° / 72.0 + 41.0° Efficiency 69 % Peak intensity 2.3 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 44.0 + 16.0° / 71.0 + 33.0° Efficiency 71 % Peak intensity 2.9 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 45.0 + 14.0° / 70.0 + 28.0° Efficiency 75 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

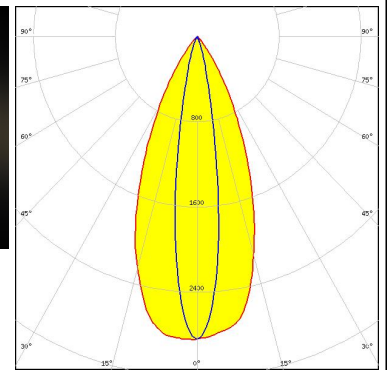
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 42.0 + 22.0° / 70.0 + 42.0°
 Efficiency 72 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



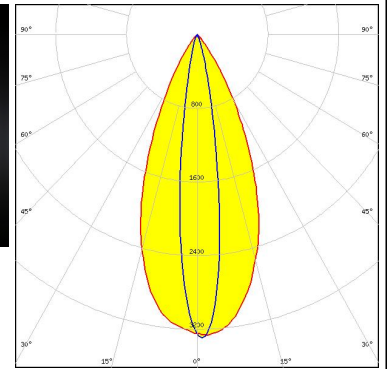
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 44.0 + 17.0° / 71.0 + 33.0°
 Efficiency 72 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



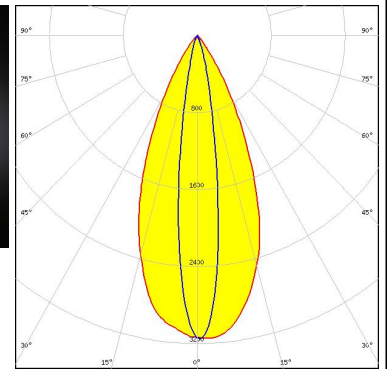
NICHIA

LED NF2x757G
 FWHM / FWTM 44.0 + 15.0° / 70.0 + 29.0°
 Efficiency 76 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60


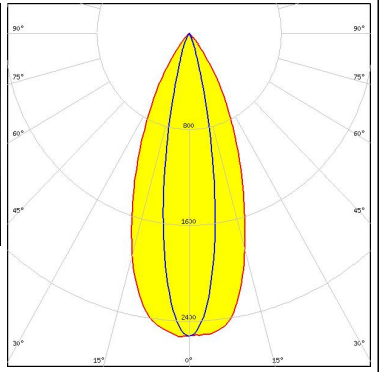

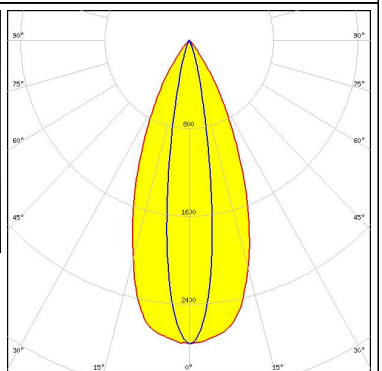

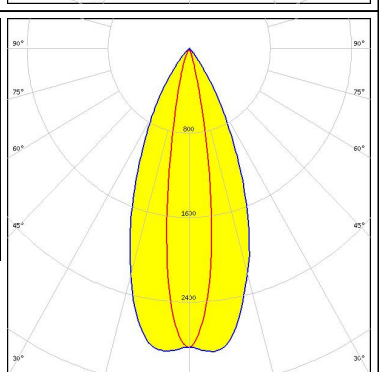

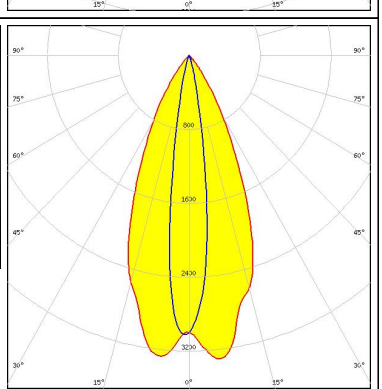


NICHIA

LED NF2x757G
 FWHM / FWTM 45.0 + 15.0° / 70.0 + 31.0°
 Efficiency 75 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



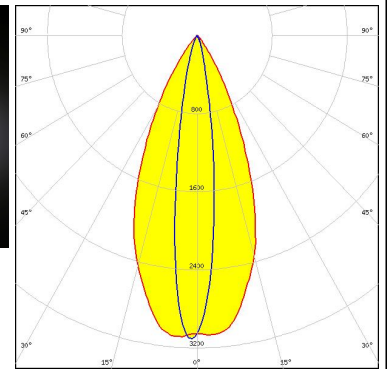
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 43.0 + 20.0° / 72.0 + 36.0° Efficiency 74 % Peak intensity 2.5 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 44.0 + 17.0° / 71.0 + 33.0° Efficiency 72 % Peak intensity 2.8 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 OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 44.0 + 17.0° / 72.0 + 32.0° Efficiency 74 % Peak intensity 2.9 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 OSLOM SSL 150 FWHM / FWTM 45.0 + 15.0° / 72.0 + 27.0° Efficiency 72 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

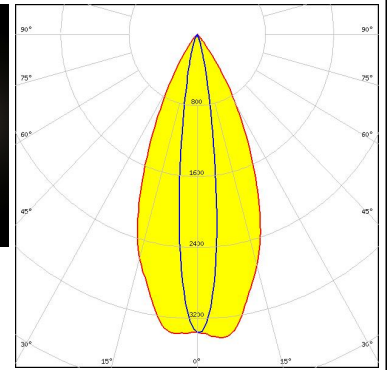
OPTICAL RESULTS (MEASURED):

SAMSUNG

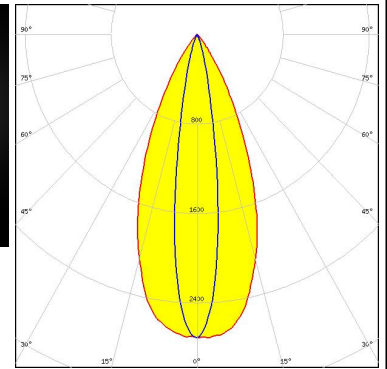
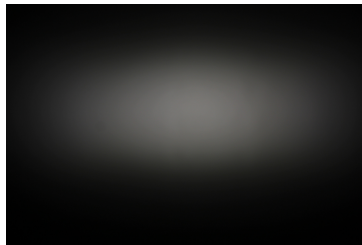
LED LM561B
 FWHM / FWTM 45.0 + 15.0° / 70.0 + 32.0°
 Efficiency 75 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR
 LED SEOUL 5630
 FWHM / FWTM 45.0 + 15.0° / 70.0 + 30.0°
 Efficiency 77 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



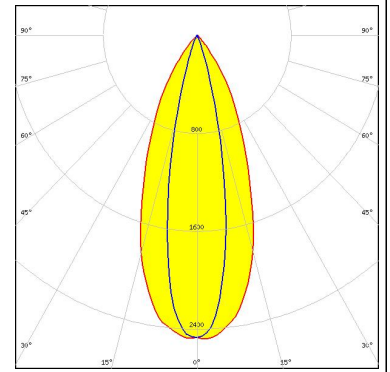
SEOUL SEMICONDUCTOR
 LED Z8Y22P
 FWHM / FWTM 44.0 + 17.0° / 70.0 + 32.0°
 Efficiency 69 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



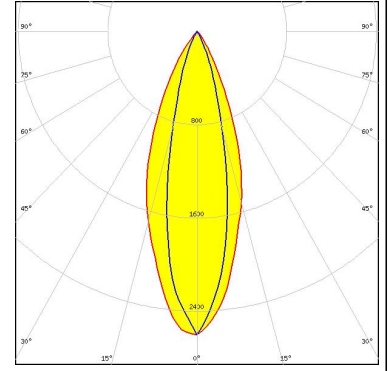
OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE
FWHM / FWTM 42.0 + 22.0° / 75.0 + 38.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



LED LUXEON C
FWHM / FWTM 38.0 + 24.0° / 66.0 + 47.0°
Efficiency 81 %
Peak intensity 2.6 cd/lm
LEDs/each optic 4
Light colour RGBW
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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