

G2-LAURA-D-P

~13° diffused spot beam. Assembly with thinner white holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

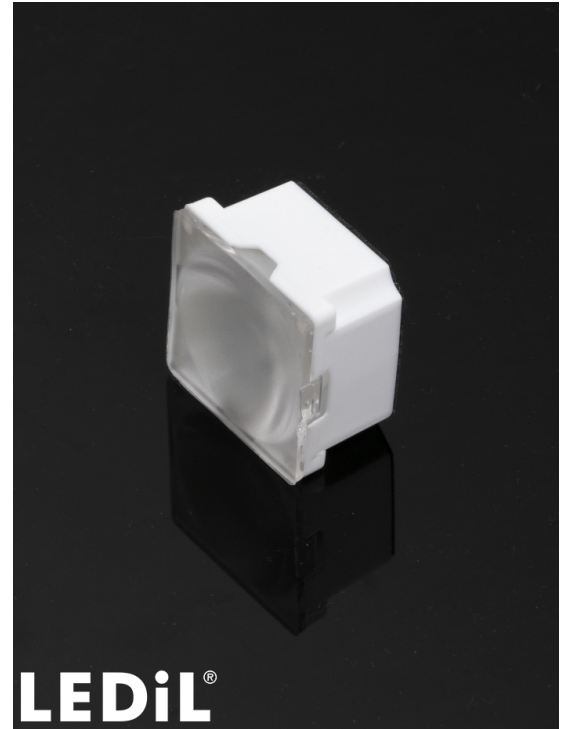
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

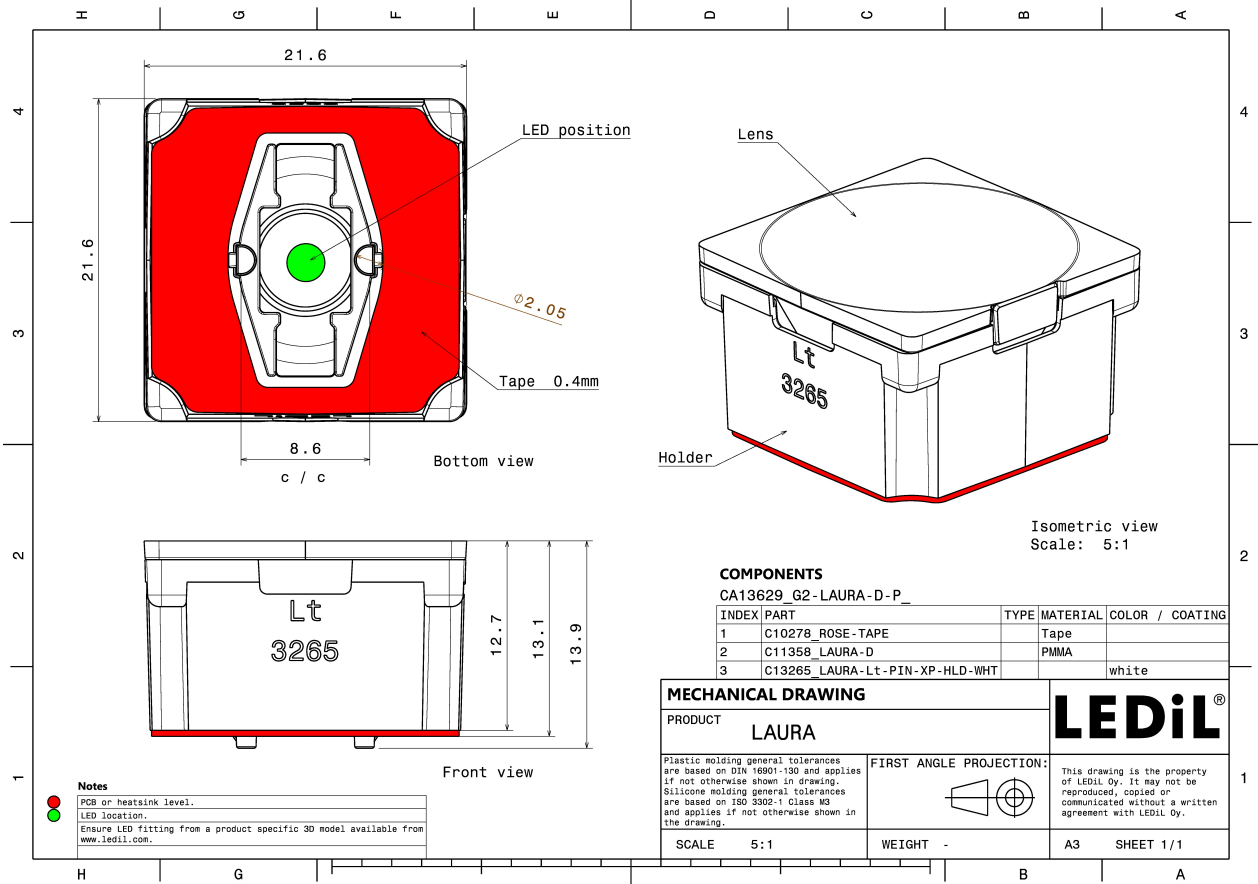
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-D	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13629_G2-LAURA-D-P	Single lens	1440	360	180	5.9
» Box size: 451 x 254 x 152 mm					



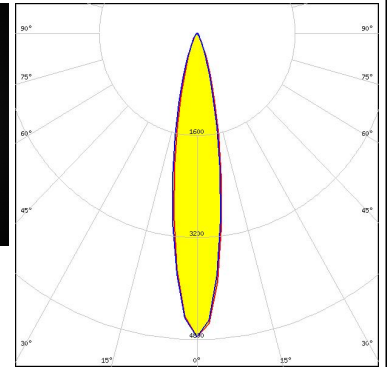
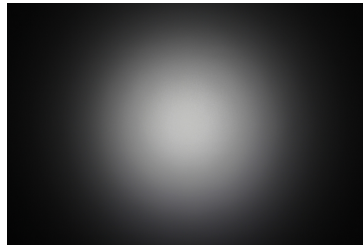


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED XB-H
 FWHM / FWTM 19.0° / 41.0°
 Efficiency 83 %
 Peak intensity 4.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



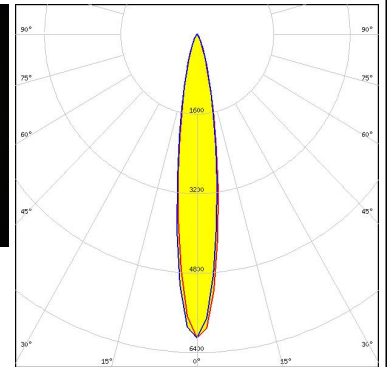
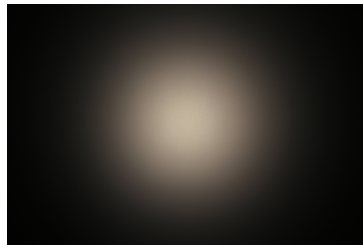
CREE LED

LED XP-E
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 93 %
 Peak intensity 9.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



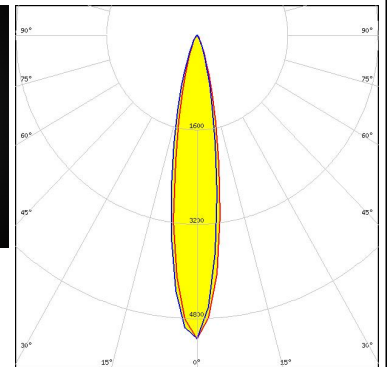
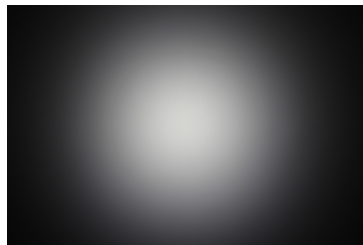
CREE LED

LED XP-E2
 FWHM / FWTM 16.0° / 37.0°
 Efficiency 83 %
 Peak intensity 6.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

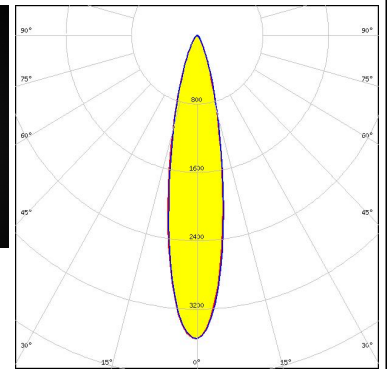
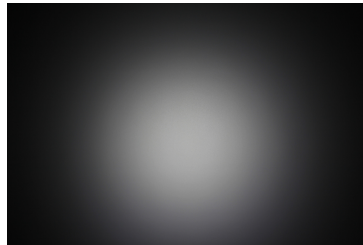
LED XP-G2
 FWHM / FWTM 19.0° / 40.0°
 Efficiency 83 %
 Peak intensity 5.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

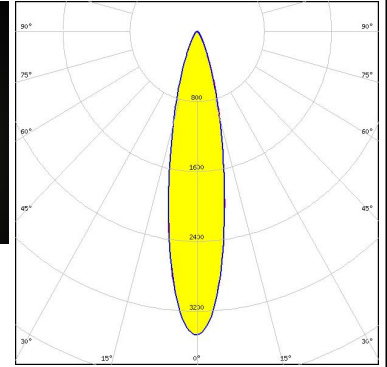
CREE LED

LED XP-L HD
 FWHM / FWTM 21.0° / 45.0°
 Efficiency 81 %
 Peak intensity 3.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



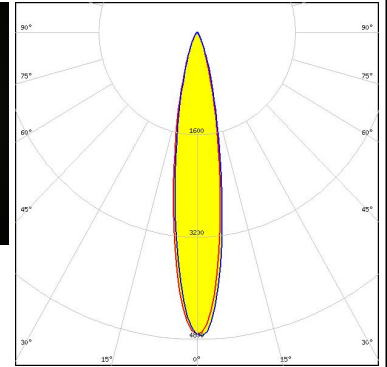
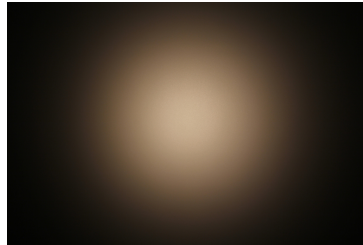
CREE LED

LED XP-L2
 FWHM / FWTM 22.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



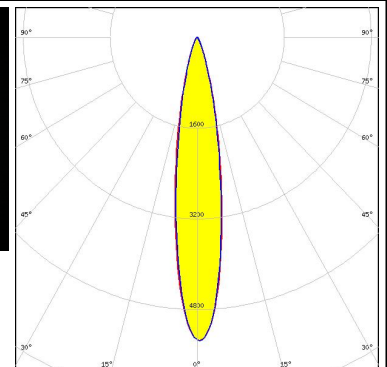
CREE LED

LED XT-E
 FWHM / FWTM 19.0° / 41.0°
 Efficiency 82 %
 Peak intensity 4.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:


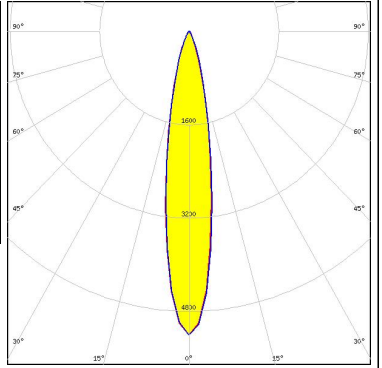

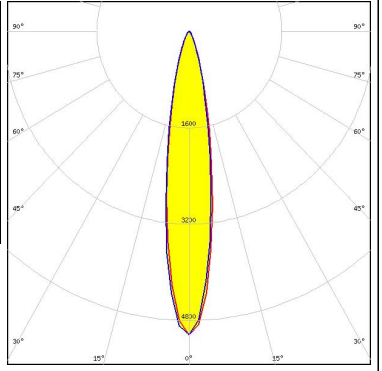

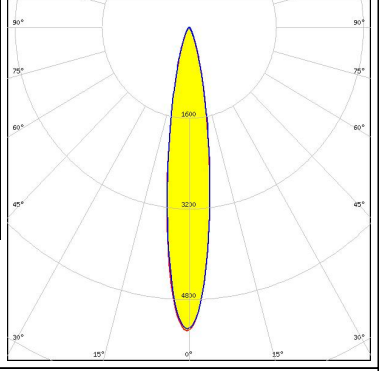

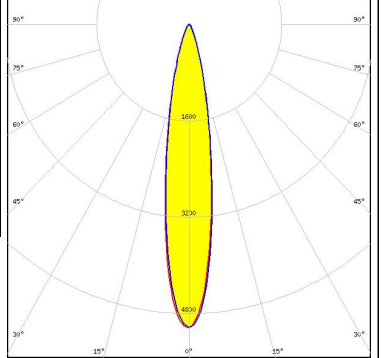


LUMILEDS

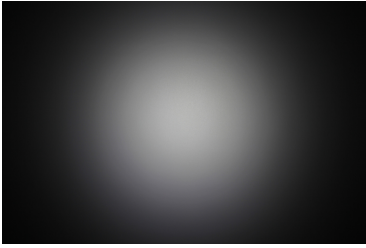
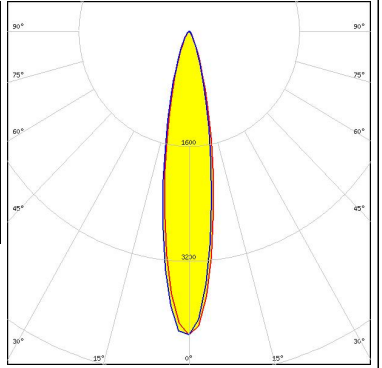
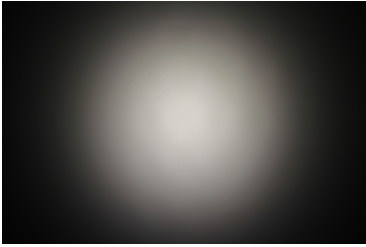

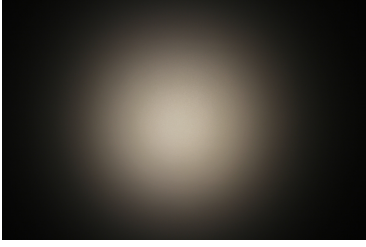
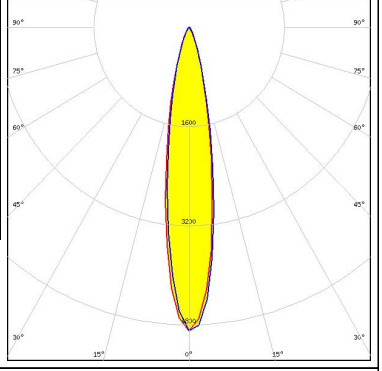

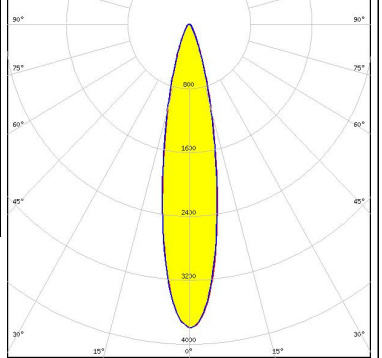
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 87 %
 Peak intensity 5.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:





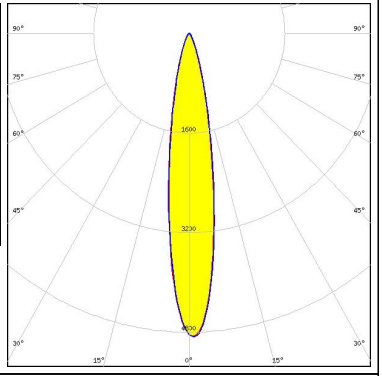


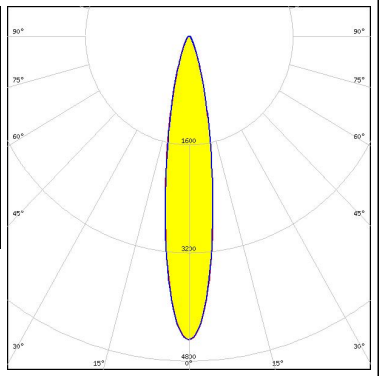
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON TX FWHM / FWTM 18.0° / 40.0° Efficiency 86 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NCSxx19A FWHM / FWTM 19.0° / 41.0° Efficiency 87 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 17.0° / 38.0° Efficiency 83 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219D FWHM / FWTM 18.0° / 40.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19A FWHM / FWTM 20.0° / 43.0° Efficiency 81 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 19.0° / 42.0° Efficiency 83 % Peak intensity 4.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC FWHM / FWTM 19.0° / 40.0° Efficiency 82 % Peak intensity 4.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351D FWHM / FWTM 21.0° / 46.0° Efficiency 93 % Peak intensity 3.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

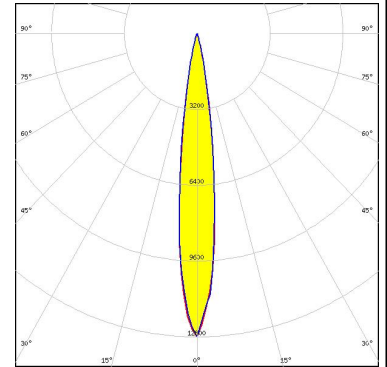
PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM / FWTM 18.0° / 39.0° Efficiency 83 % Peak intensity 4.9 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3 FWHM / FWTM 19.0° / 42.0° Efficiency 93 % Peak intensity 4.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

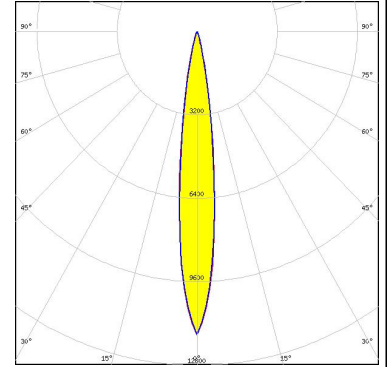
CREE LED

LED XHP35 HI
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 94 %
 Peak intensity 12.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



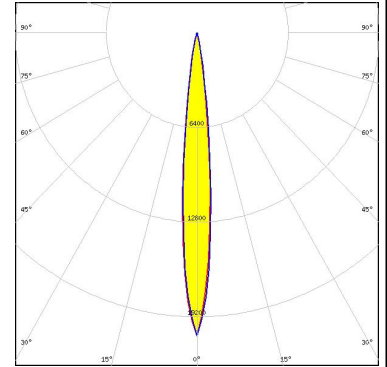
CREE LED

LED XP-G3
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 93 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



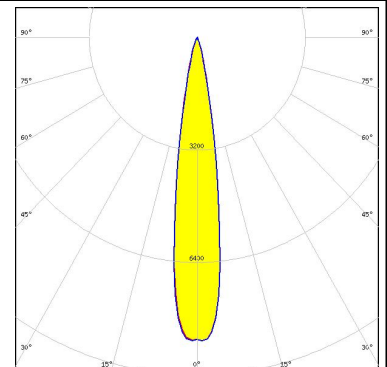
CREE LED

LED XQ-E HD
 FWHM / FWTM 10.8° / 21.2°
 Efficiency 94 %
 Peak intensity 20.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

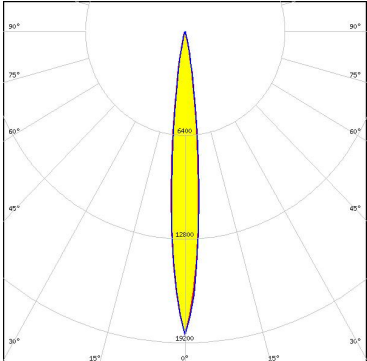
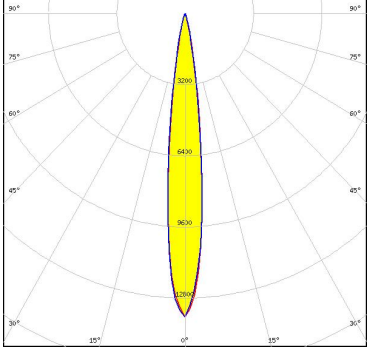
LED NS9x383
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 94 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED: KW CULPM1.TG</p> <p>FWHM / FWTM: 10.0° / 20.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 21.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED: OSLO Signal</p> <p>FWHM / FWTM: 10.0° / 20.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 24.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Red</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED: OSLO Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 12.0° / 25.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 14.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED: OSLO Square Flat</p> <p>FWHM / FWTM: 9.0° / 19.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 26.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON SSL 80</p> <p>FWHM / FWTM: 10.0° / 22.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 18.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SEOUL SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22P</p> <p>FWHM / FWTM: 13.0° / 25.0°</p> <p>Efficiency: 97 %</p> <p>Peak intensity: 13.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

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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