

STRADELLA-16-VSM

IESNA Type V (square) beam for wide areas such as car parks.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	4.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

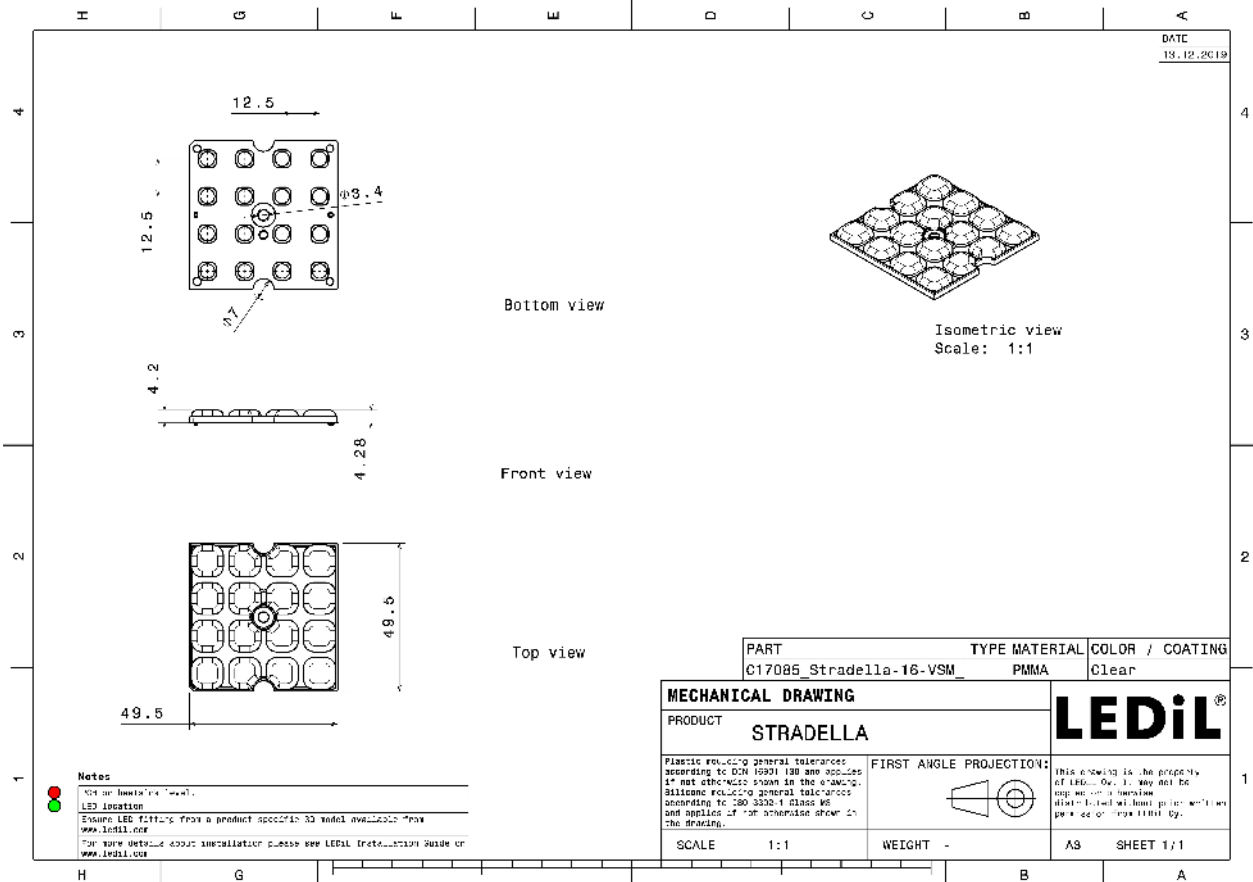


MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-VSM	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17085_STRADELLA-16-VSM » Box size: 480 x 280 x 300 mm	800	160	160	6.5

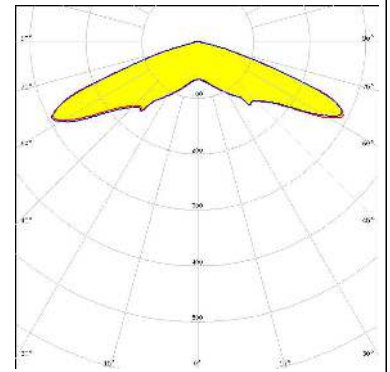


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

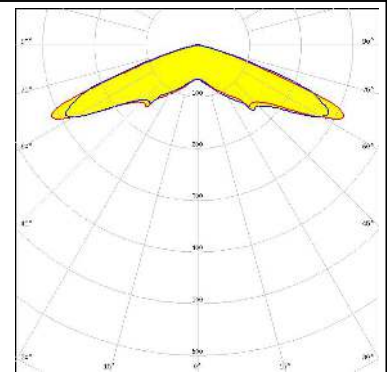
CREE LED

LED J Series 3030
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



ELECTRIO

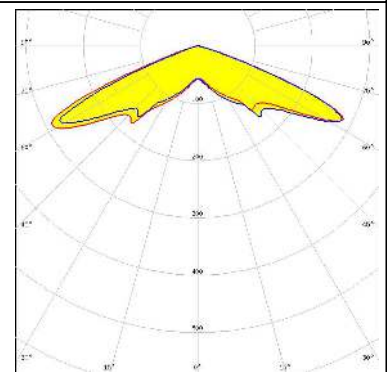
LED EHP-223.5x50-1604-xx-70-LS30-06-NTC
 FWHM / FWTM Asymmetric
 Efficiency 98 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

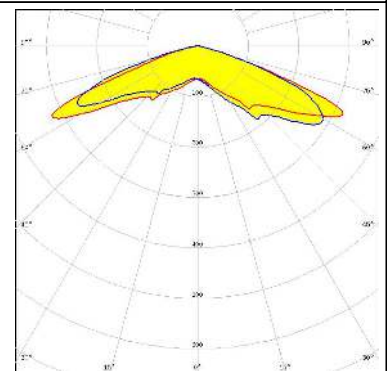
LED LUXEON 3030 2D (Square LES)
 FWHM / FWTM 139.0° / 147.0°
 Efficiency 86 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



NICHIA

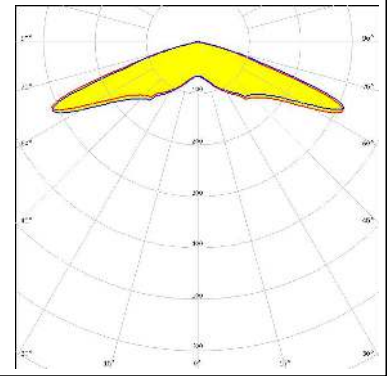
LED NF2x757G
 FWHM / FWTM 141.0° / 153.0°
 Efficiency 98 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




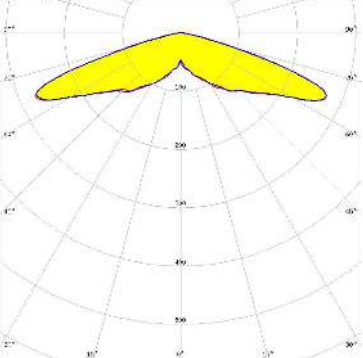

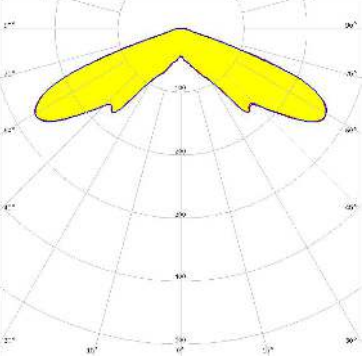

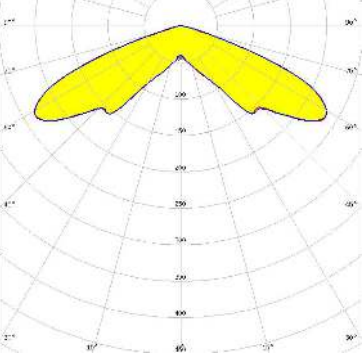

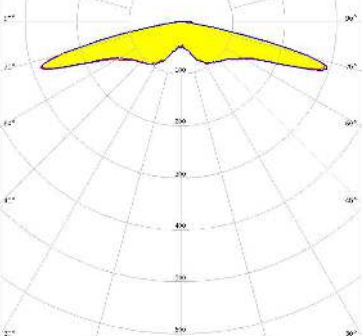
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED RLE 4x16 4000lm MP ADV2 OTD
FWHM / FWTM 141.0° / 155.0°
Efficiency 98 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



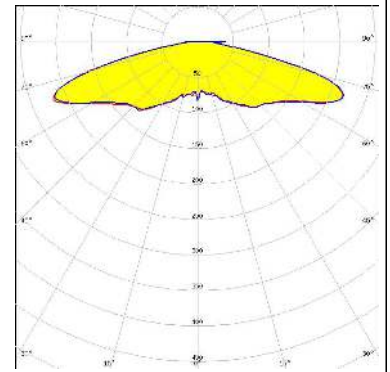
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: Bridgelux SMD 2835 FWHM / FWTM: 146.0° / 158.0° Efficiency: 95 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP) FWHM / FWTM: 140.0° / 150.0° Efficiency: 95 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP) FWHM / FWTM: 138.0° / 150.0° Efficiency: 80 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p></p> <p>LED: XP-E2 FWHM / FWTM: 155.0° / 164.0° Efficiency: 92 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: Far Red Required components:</p>	

OPTICAL RESULTS (SIMULATED):

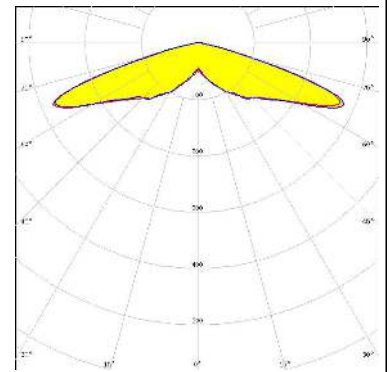
CREE LED

LED XP-G3
 FWHM / FWTM 155.0° / 175.0°
 Efficiency 91 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



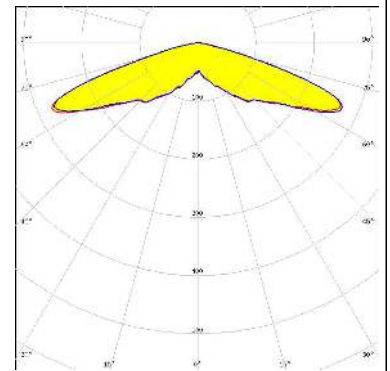
LUMILEDS

LED LUXEON 2835 Line
 FWHM / FWTM 146.0° / 157.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

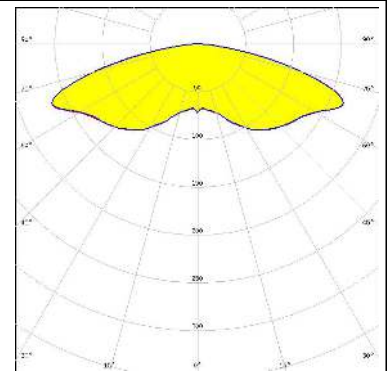
LED LUXEON 3030 HE Plus
 FWHM / FWTM 146.0° / 158.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



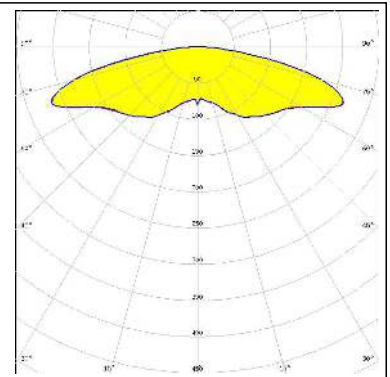
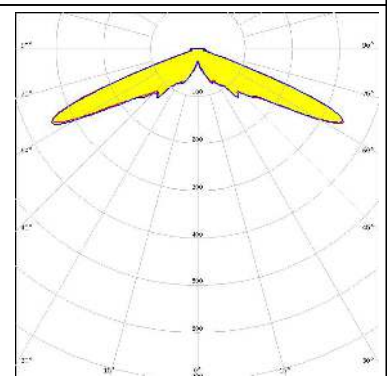
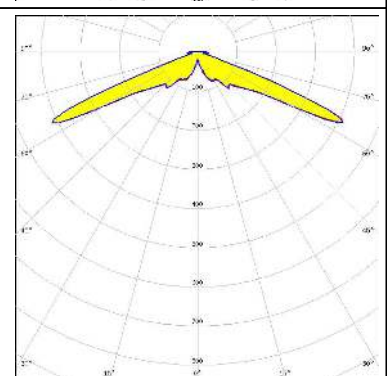
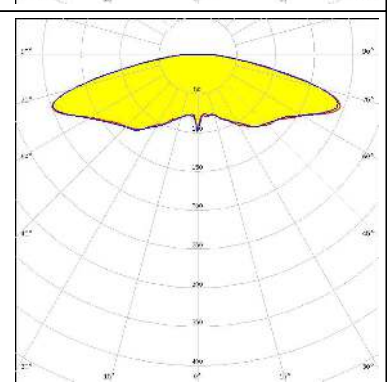
LUMILEDS

LED LUXEON HL2X
 FWHM / FWTM 154.0° / 168.0°
 Efficiency 71 %
 Peak intensity 0.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

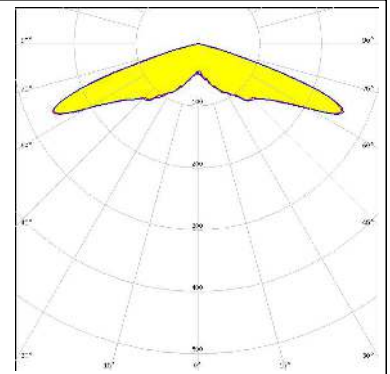
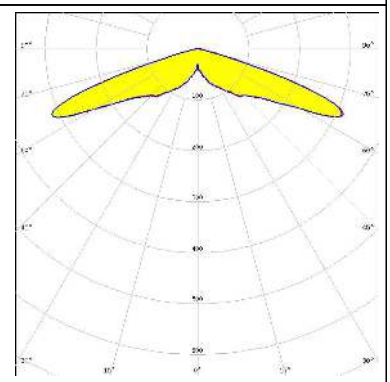
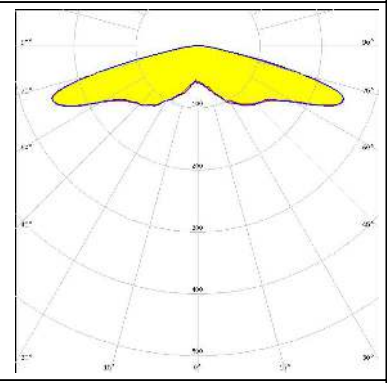
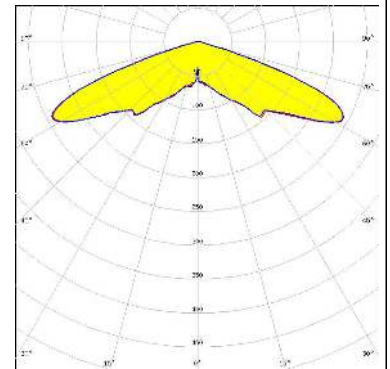
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON HL2X FWHM / FWTM 160.0° / 174.0° Efficiency 92 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 137.0° / 143.0° Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NFSWE11A FWHM / FWTM 136.0° / 142.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 158.0° / 179.0° Efficiency 87 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

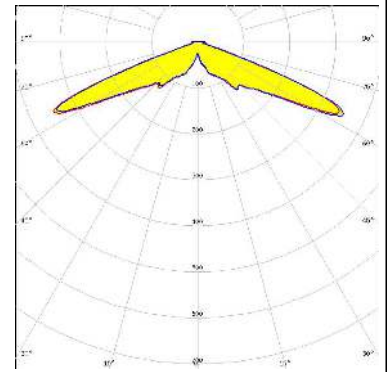
OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ C 2424</p> <p>FWHM / FWTM: 142.0° / 152.0°</p> <p>Efficiency: 80 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ C 2424</p> <p>FWHM / FWTM: 144.0° / 152.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 152.0° / 164.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH181B</p> <p>FWHM / FWTM: 142.0° / 151.0°</p> <p>Efficiency: 84 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

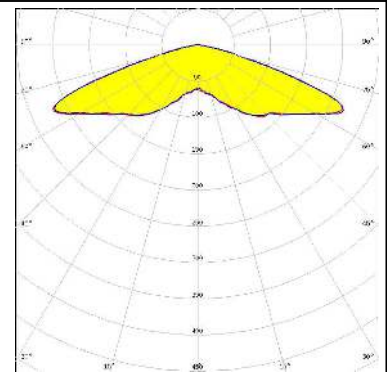
LED LM101B
 FWHM / FWTM 137.0° / 143.0°
 Efficiency 95 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



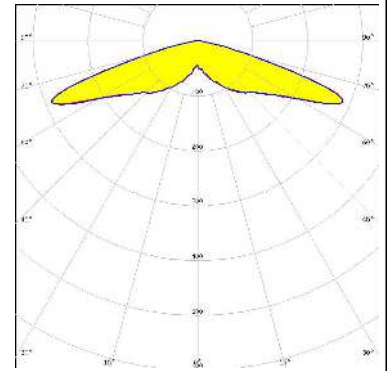
SAMSUNG

LED LM301B
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

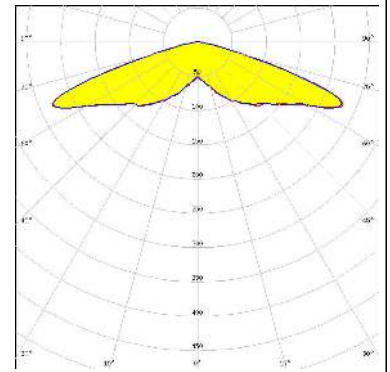


SEOUL SEMICONDUCTOR
 LED SEOUL DC 3030C
 FWHM / FWTM 146.0° / 158.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


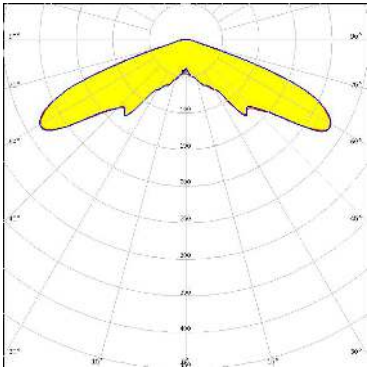

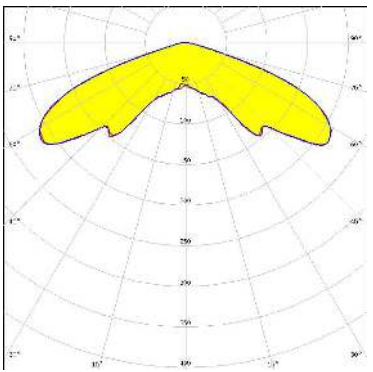

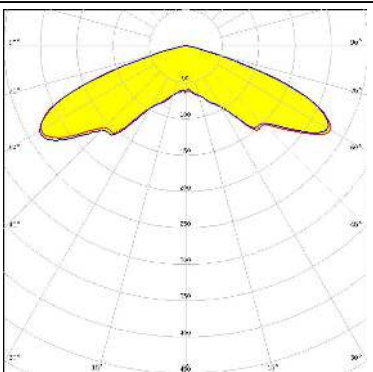

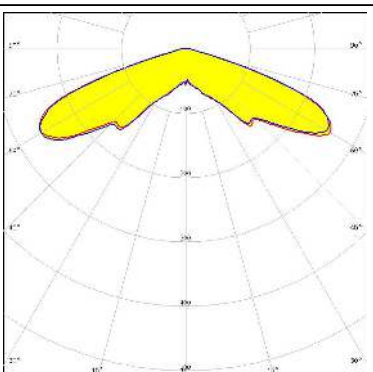


SEOUL SEMICONDUCTOR
 LED SEOUL DC 3030C
 FWHM / FWTM 146.0° / 156.0°
 Efficiency 79 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 140.0° / 150.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM 142.0° / 154.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 142.0° / 153.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22T</p> <p>FWHM / FWTM 143.0° / 154.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 0.4 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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