

EMERALD-MAXI-A

Asymmetric beam. Assembly with installation tape.

SPECIFICATION:

Dimensions	33.0 x 25.0 mm
Height	11 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

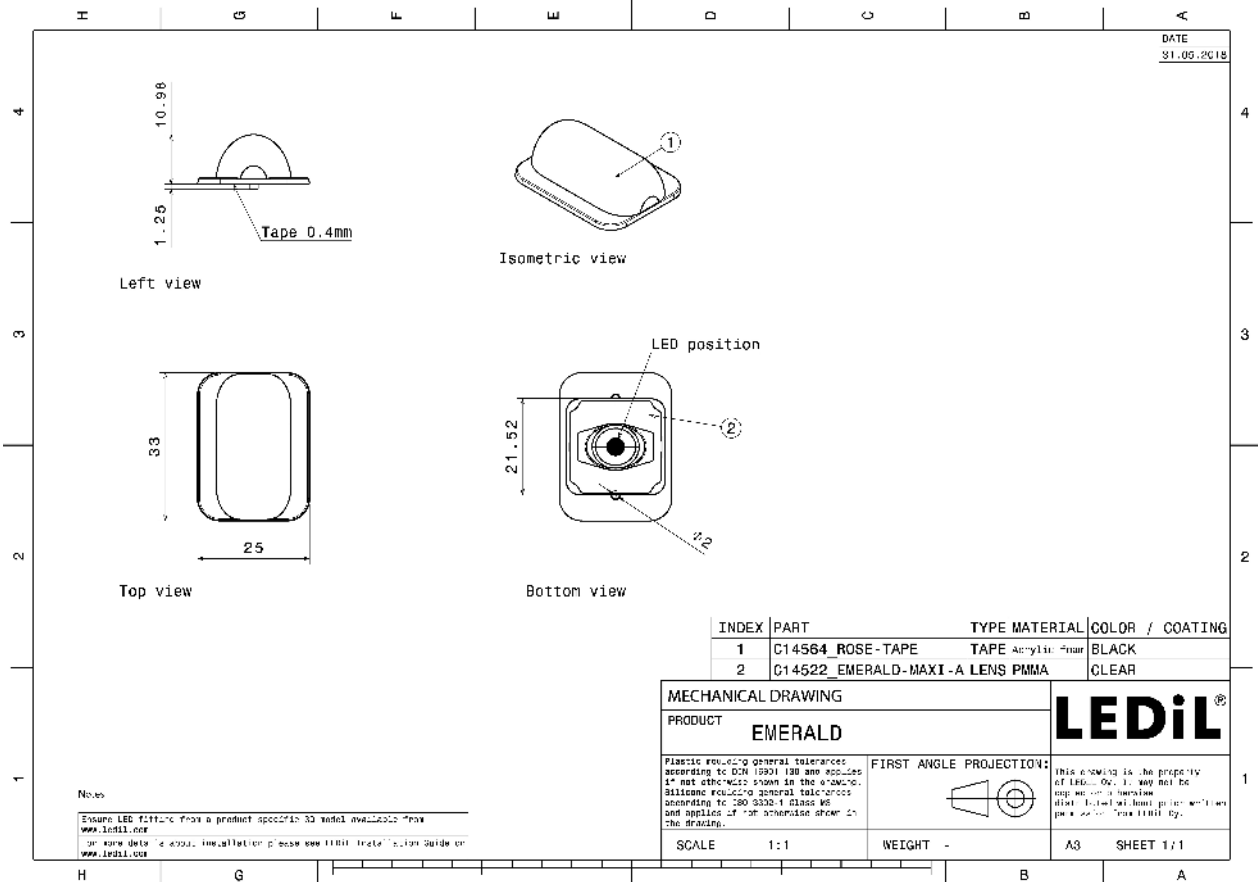
MATERIALS:

Component	Type	Material	Colour	Finish
EMERALD-MAXI-A	Single lens	PMMA	clear	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

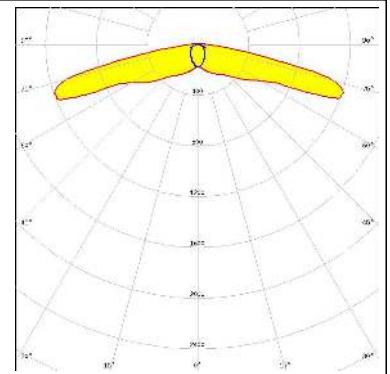
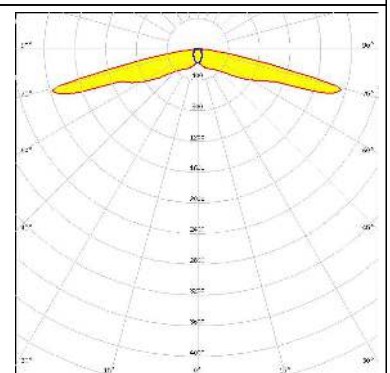
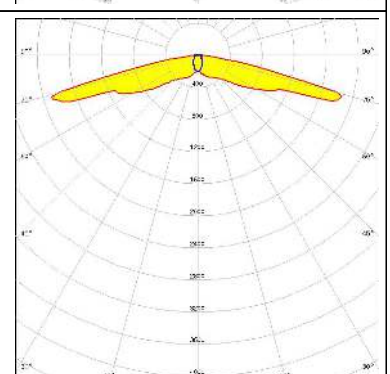
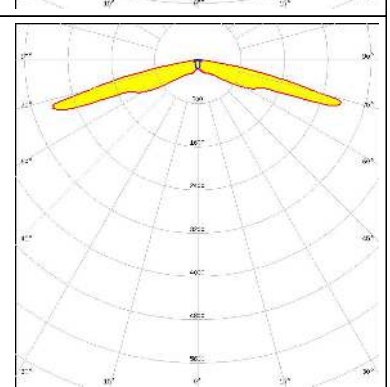
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA14523_EMERALD-MAXI-A » Box size: 480 x 280 x 300 mm	Single lens	1330	280	70	7.8



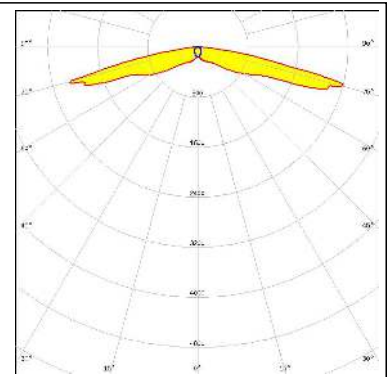
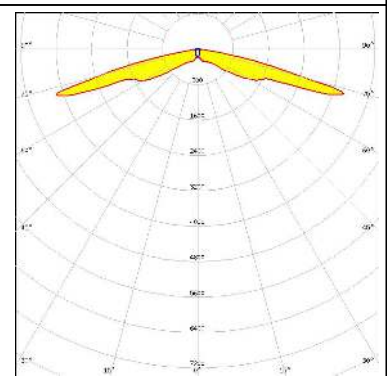
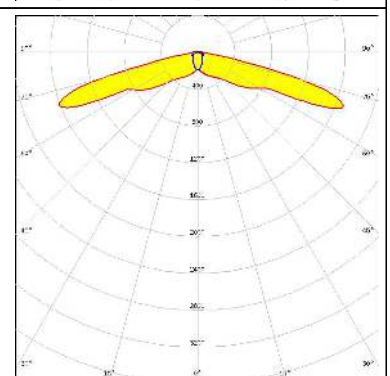
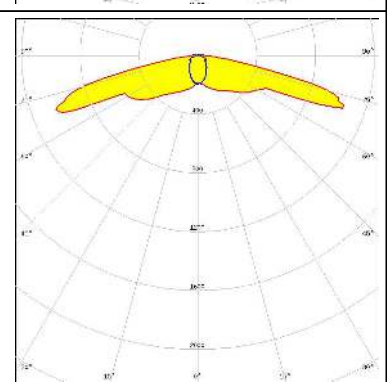


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XHP50.2 FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XM-L FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XM-L2 FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G3 FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

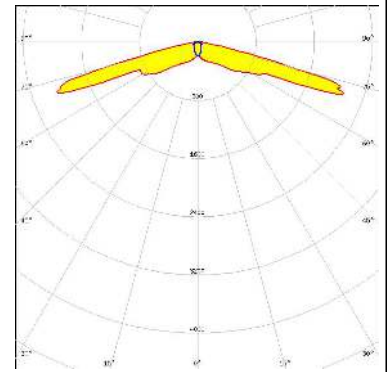
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED: XP-L HD FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 2.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-L HI FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 3.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Square LES FWHM / FWTM: Asymmetric Efficiency: 91 % Peak intensity: 1.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON M/MX FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 1.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (MEASURED):

LUMILEDS

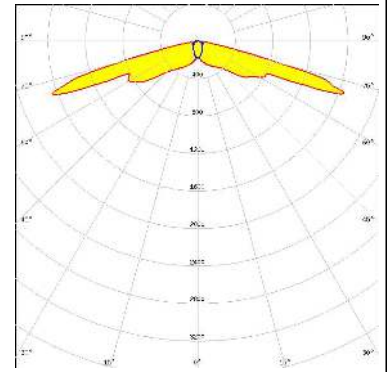
LED LUXEON MZ
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

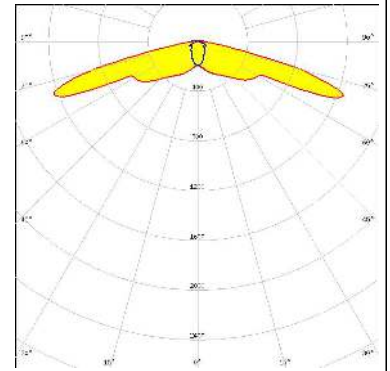
LED LUXEON MZ
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



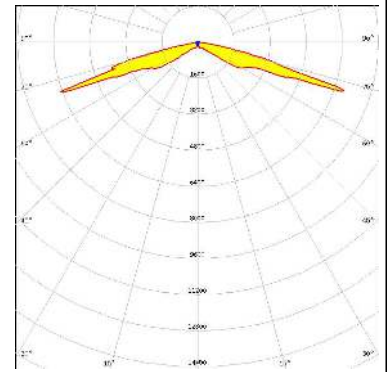
OSRAM

Opto Semiconductors
 LED Duris S8
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

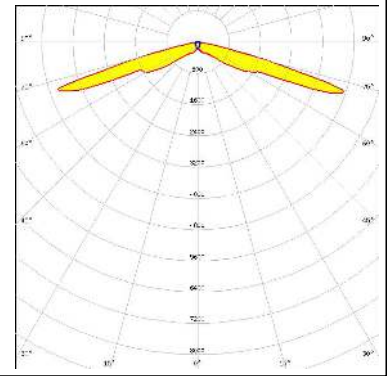
Opto Semiconductors
 LED OSLOM Black Flat
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



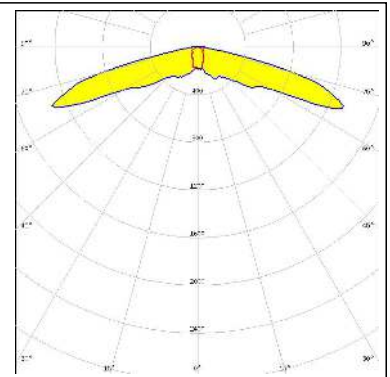
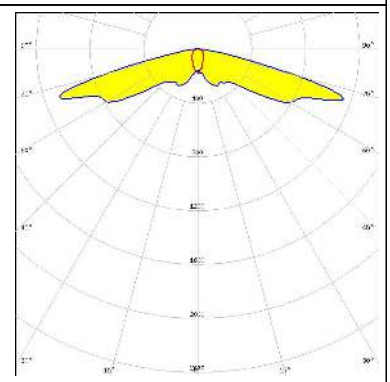
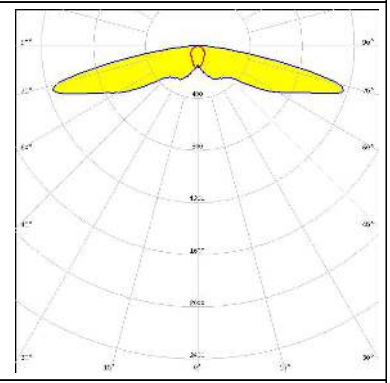

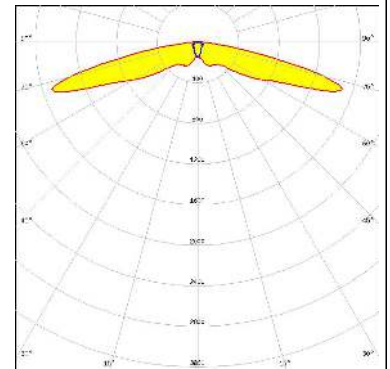
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH181B
FWHM / FWTM Asymmetric
Efficiency 92 %
Peak intensity 3.9 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 7070</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 86 %</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>SAMSUNG</p> <p>LED: LH181B</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 76 %</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 style="background-color: #ADD8E6; padding: 2px;">Protective plate, glass</p>	
<p>SAMSUNG</p> <p>LED: LH351D</p> <p>FWHM / FWTM: Asymmetric</p> <p>Efficiency: 91 %</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> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22P</p> <p>FWHM / FWTM: 156.0 + 62.0° / 169.0 + 154.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 1.5 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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