

EMERALD-A

Asymmetric beam. Assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	7.3 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



MATERIALS:

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

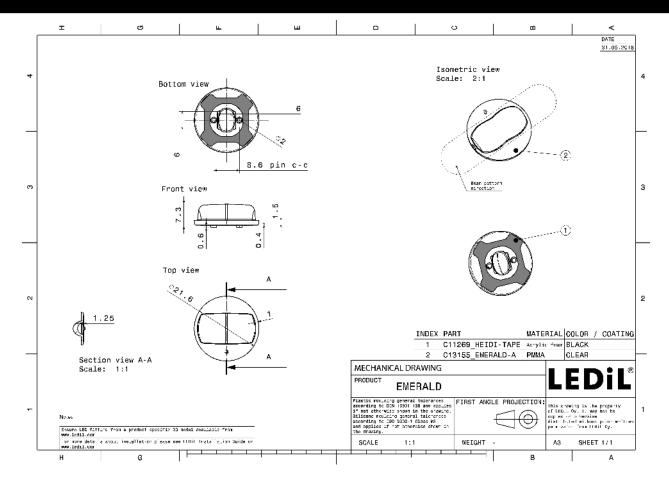
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13156_EMERALD-A	Single lens	2128	336	112	4.9

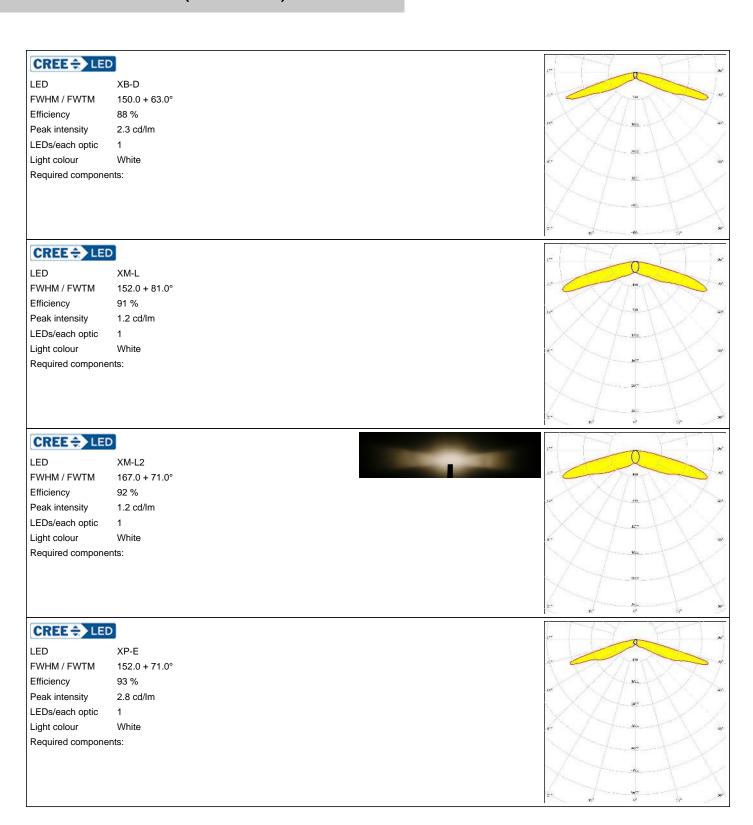


PRODUCT DATASHEET CA13156_EMERALD-A



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





Published: 13/09/2019



CREE - LED

 LED
 XP-E2

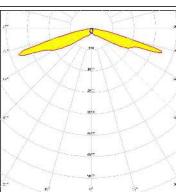
 FWHM / FWTM
 153.0 + 70.0°

 Efficiency
 93 %

 Peak intensity
 2.9 cd/lm

LEDs/each optic 1
Light colour White

Required components:

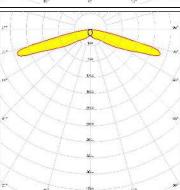


CREE - LED

LED XP-G FWHM / FWTM 153.0 + 92.0°

Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1

Light colour White Required components:



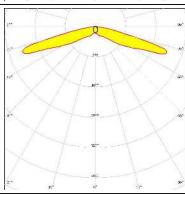
CREE - LED

LED XP-G2

FWHM / FWTM 151.0 + 75.0°

Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



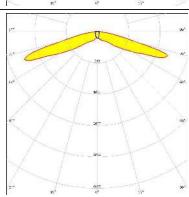
CREE - LED

LED XT-E

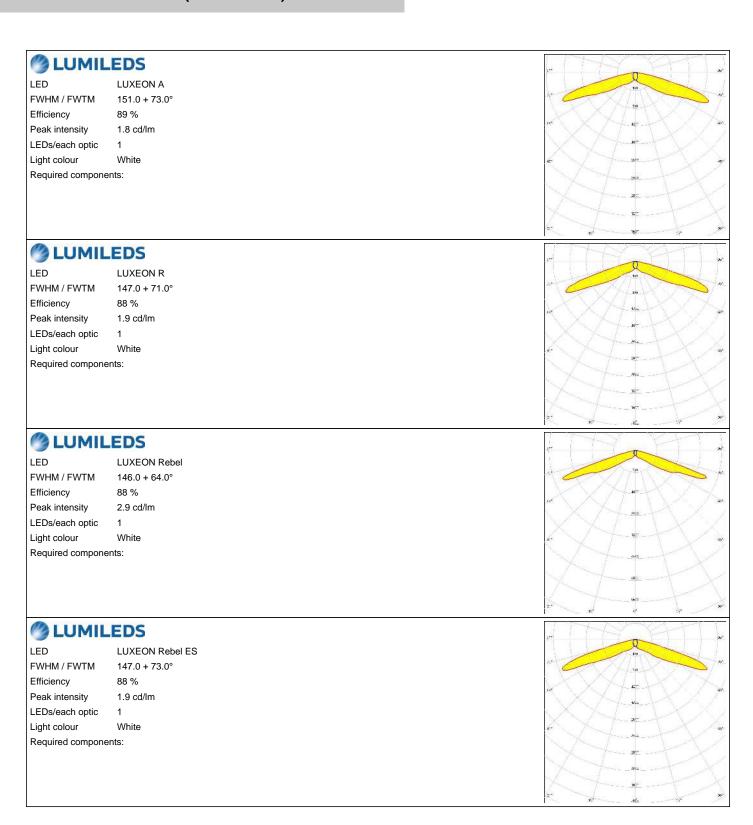
FWHM / FWTM 150.0 + 64.0°

Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

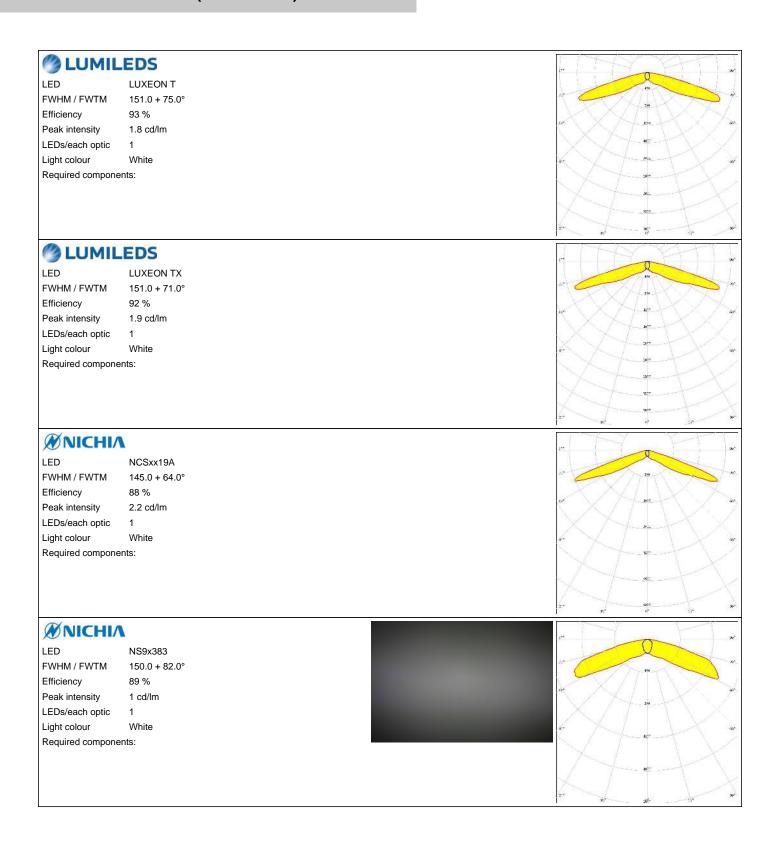
Required components:



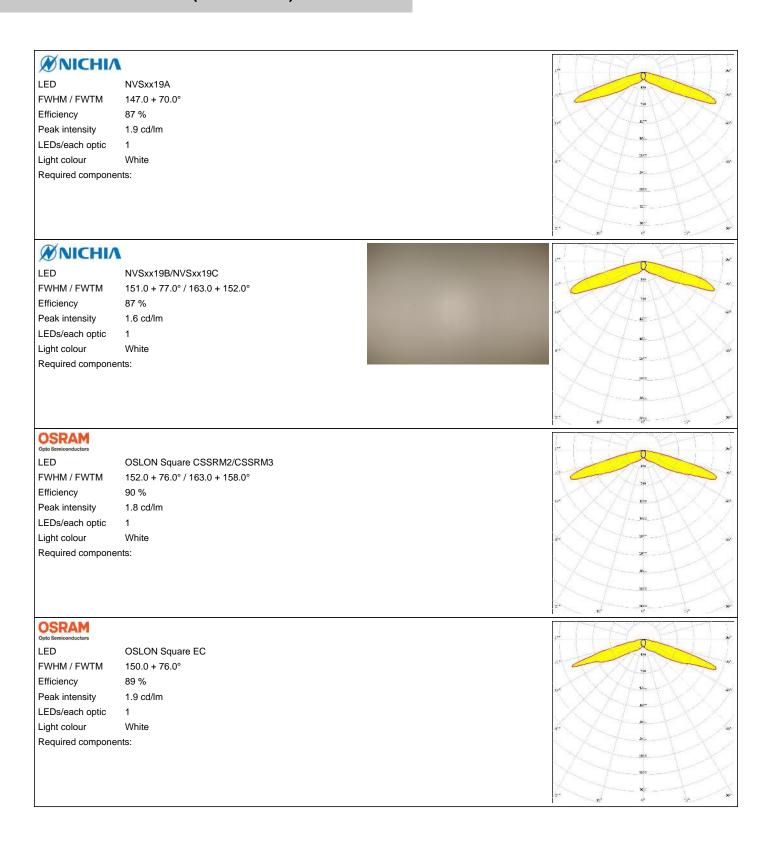












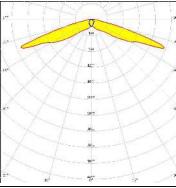




LED OSLON Square PC

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 150.0 + 86.0° Efficiency 89 % Peak intensity 2 cd/lm LEDs/each optic Light colour White

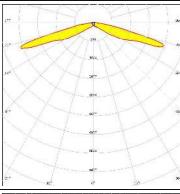
Required components:



OSRAM Opto Semiconduct

LED OSLON SSL 150

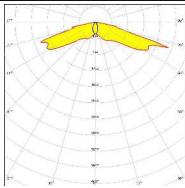
FWHM / FWTM 152.0 + 99.0° Efficiency 92 % Peak intensity 2.9 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductors

Required components:

LED OSLON SSL 80 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 148.0 + 53.0° Efficiency 89 % Peak intensity 2.3 cd/lm LEDs/each optic Light colour White





OPTICAL RESULTS (SIMULATED):

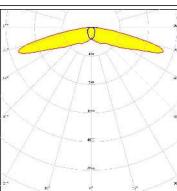


LED XP-G3

FWHM / FWTM 157.0 + 79.0° / 171.0 + 182.0°

Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



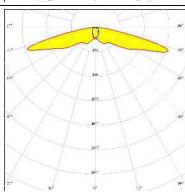
CREE \$\(\phi\) LED

LED XP-L HI

FWHM / FWTM 156.0 + 64.0° / 168.0 + 166.0°

Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:



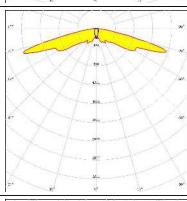
CREE - LED

LED XP-P

FWHM / FWTM 153.0 + 39.0° / 165.0 + 148.0°

Efficiency 91 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

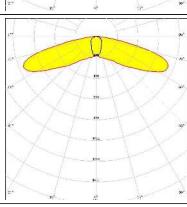
Required components:



MUMILEDS

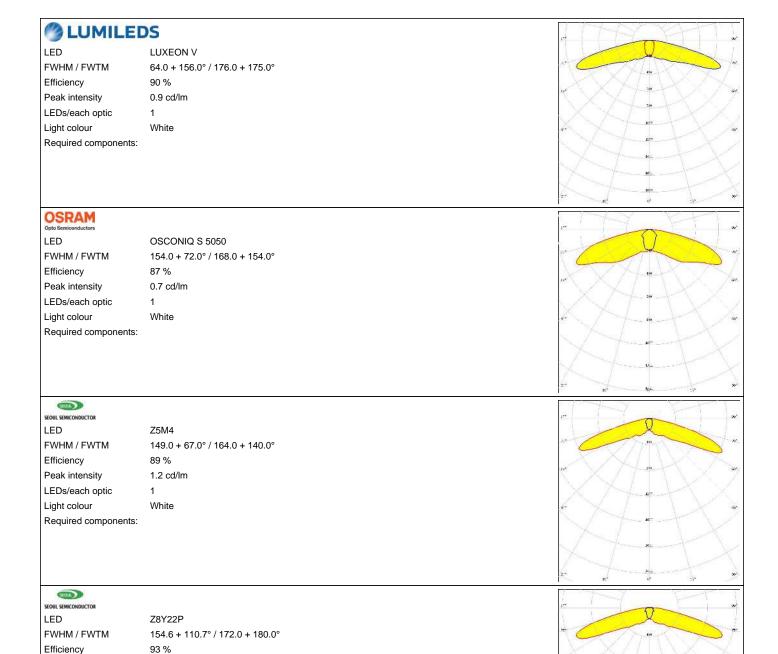
LED LUXEON 5050 Round LES

FWHM / FWTM Asymmetric
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (SIMULATED):



Peak intensity

Light colour

LEDs/each optic

Required components:

1.1 cd/lm

White



PRODUCT DATASHEET CA13156_EMERALD-A

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.

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