EMERALD-A

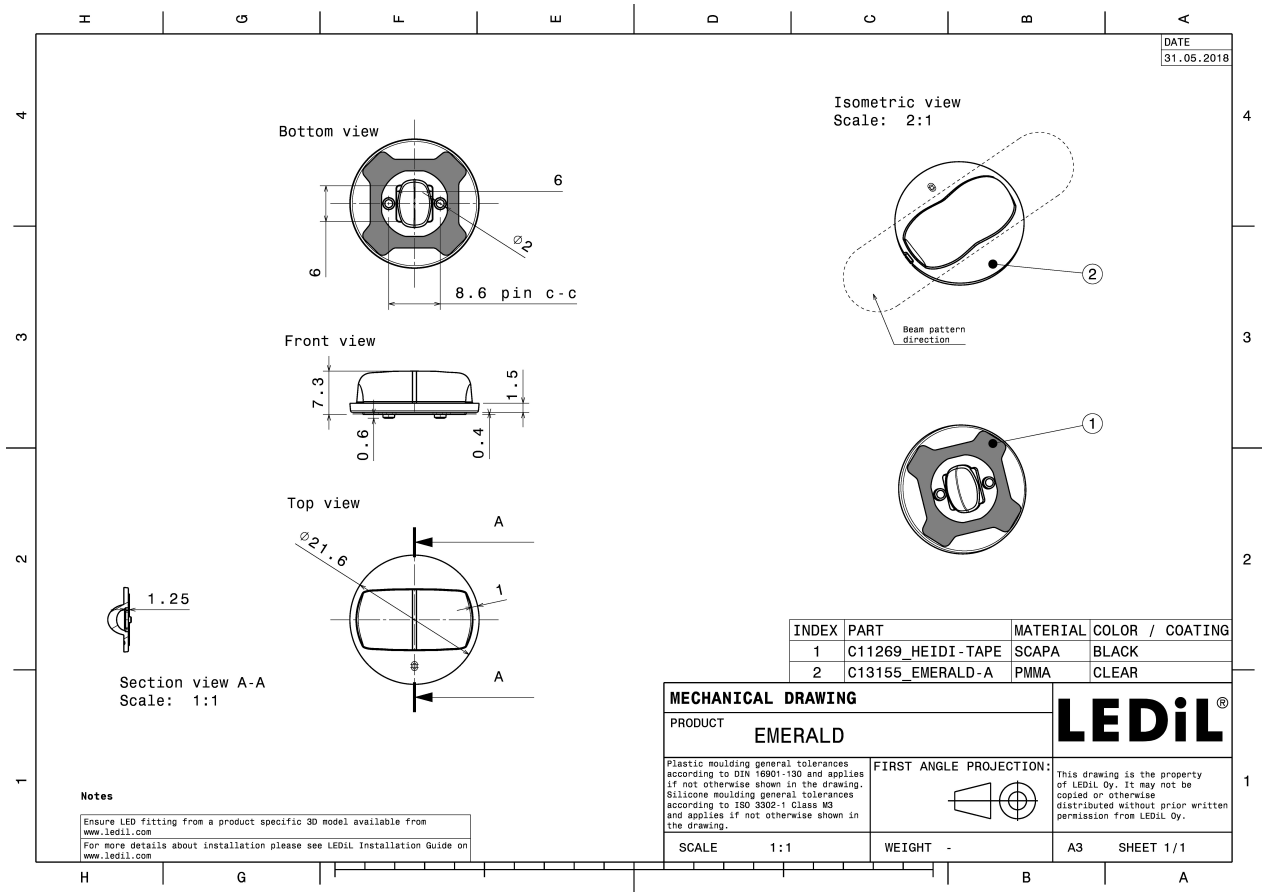
Asymmetric beam. Assembly with installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	7.3 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	4.6 kg
Quantity in Box	2016 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

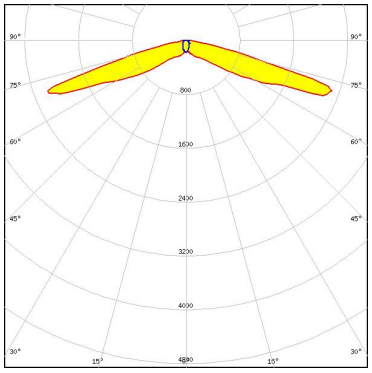
Component	Type	Material	Colour
EMERALD-A	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



PHOTOMETRIC DATA (MEASURED):

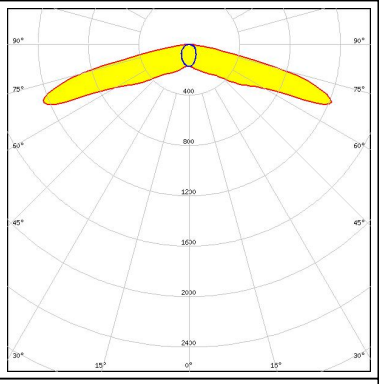
CREE

LED	XB-D
FWHM	150.0 + 63.0°
Efficiency	88 %
Peak intensity	2.300 cd/lm
Required components:	



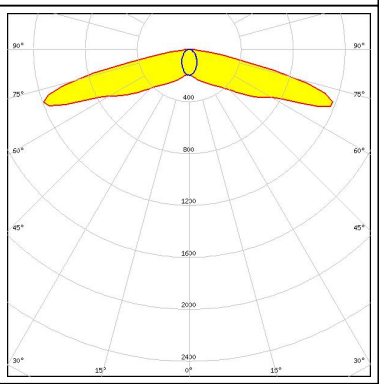
CREE

LED	XM-L
FWHM	152.0 + 81.0°
Efficiency	91 %
Peak intensity	1.200 cd/lm
Required components:	



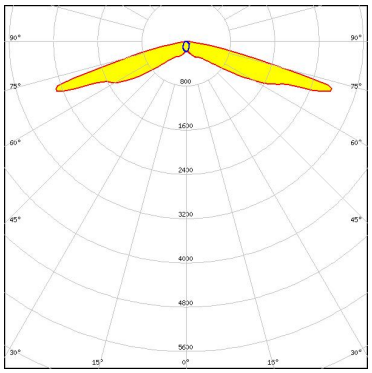
CREE

LED	XM-L2
FWHM	167.0 + 71.0°
Efficiency	92 %
Peak intensity	1.200 cd/lm
Required components:	



CREE

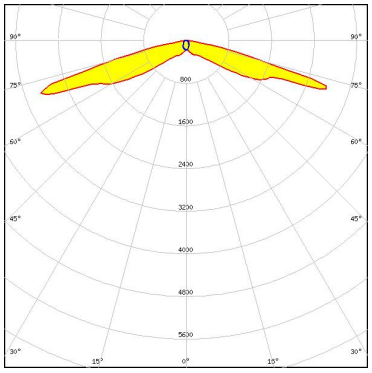
LED	XP-E
FWHM	152.0 + 71.0°
Efficiency	93 %
Peak intensity	2.800 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

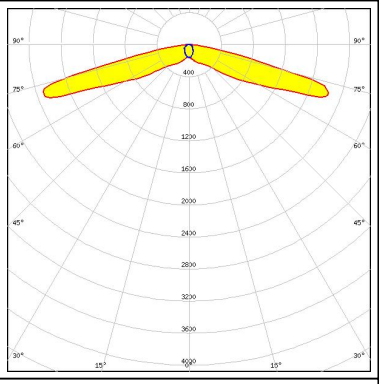
CREE

LED	XP-E2
FWHM	153.0 + 70.0°
Efficiency	93 %
Peak intensity	2.900 cd/lm
Required components:	



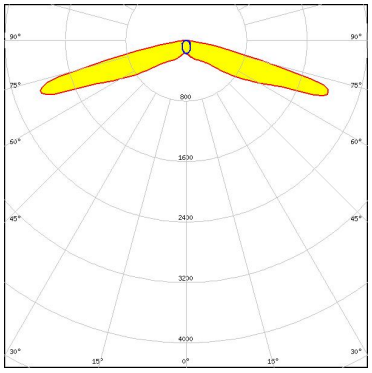
CREE

LED	XP-G
FWHM	153.0 + 92.0°
Efficiency	88 %
Peak intensity	1.900 cd/lm
Required components:	



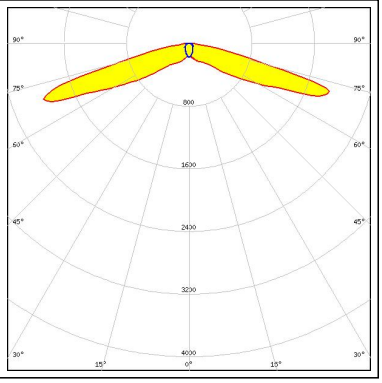
CREE

LED	XP-G2
FWHM	151.0 + 75.0°
Efficiency	91 %
Peak intensity	2.040 cd/lm
Required components:	



CREE

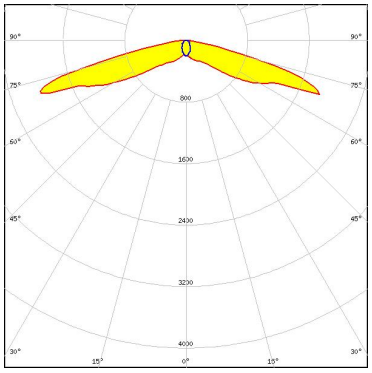
LED	XT-E
FWHM	150.0 + 64.0°
Efficiency	88 %
Peak intensity	2.000 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

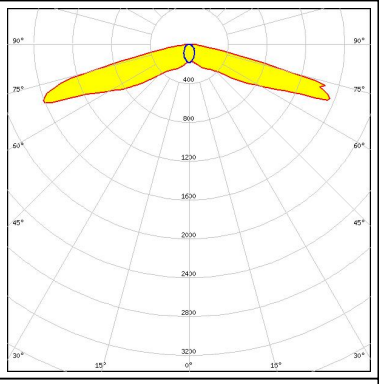
LG Innotek

LED	H35B0 (LEMWA32)
FWHM	153.0 + 64.0°
Efficiency	93 %
Peak intensity	2.000 cd/lm
Required components:	



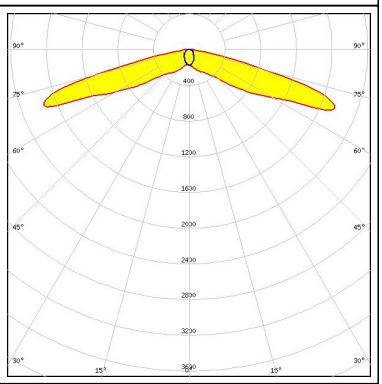
LG Innotek

LED	H35C0 (LEMWA33)
FWHM	153.0 + 68.0°
Efficiency	90 %
Peak intensity	1.600 cd/lm
Required components:	



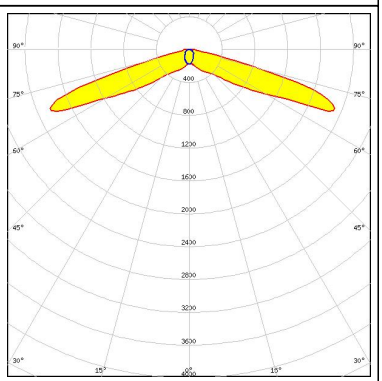
LUMILEDS

LED	LUXEON A
FWHM	151.0 + 73.0°
Efficiency	89 %
Peak intensity	1.750 cd/lm
Required components:	



LUMILEDS

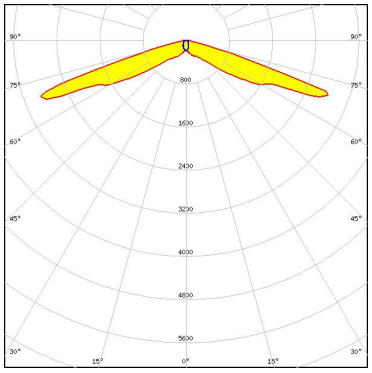
LED	LUXEON R
FWHM	147.0 + 71.0°
Efficiency	88 %
Peak intensity	1.900 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

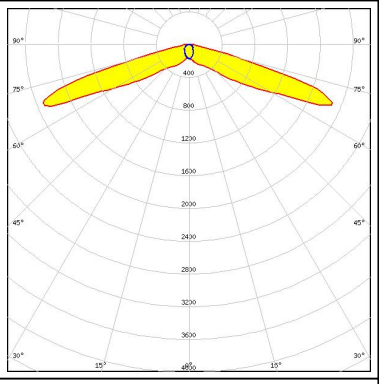
LUMILEDS

LED	LUXEON Rebel
FWHM	146.0 + 64.0°
Efficiency	88 %
Peak intensity	2.900 cd/lm
Required components:	



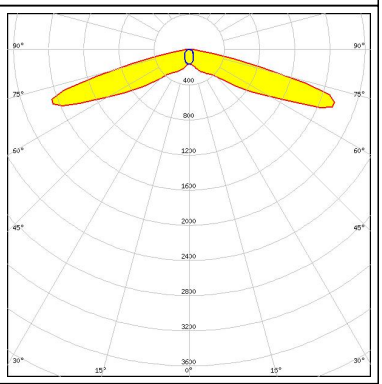
LUMILEDS

LED	LUXEON Rebel ES
FWHM	147.0 + 73.0°
Efficiency	88 %
Peak intensity	1.900 cd/lm
Required components:	



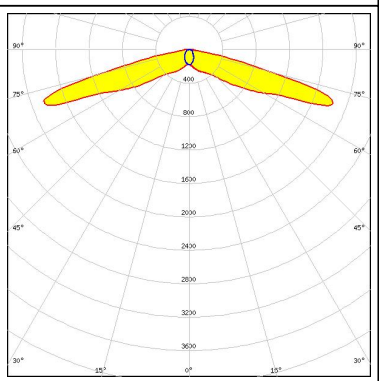
LUMILEDS

LED	LUXEON T
FWHM	151.0 + 75.0°
Efficiency	93 %
Peak intensity	1.800 cd/lm
Required components:	



LUMILEDS

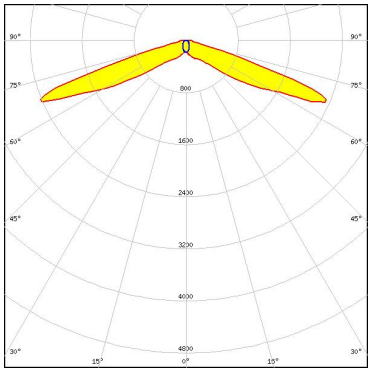
LED	LUXEON TX
FWHM	151.0 + 71.0°
Efficiency	92 %
Peak intensity	1.850 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

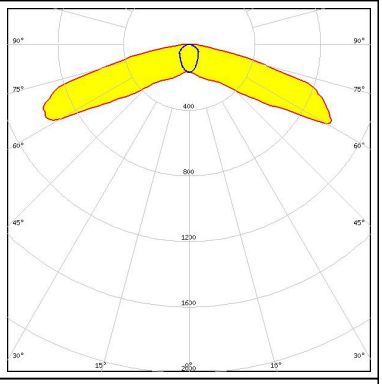
NICHIA

LED	NCSxx19A
FWHM	145.0 + 64.0°
Efficiency	88 %
Peak intensity	2.200 cd/lm
Required components:	



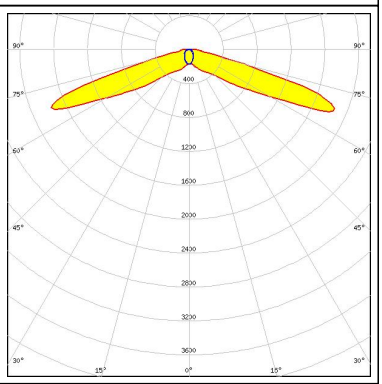
NICHIA

LED	NS9x383
FWHM	150.0 + 82.0°
Efficiency	89 %
Peak intensity	1.000 cd/lm
Required components:	



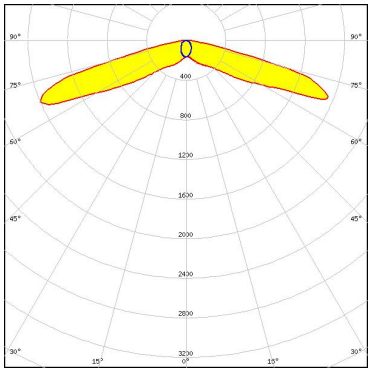
NICHIA

LED	NVSxx19A
FWHM	147.0 + 70.0°
Efficiency	87 %
Peak intensity	1.850 cd/lm
Required components:	



NICHIA

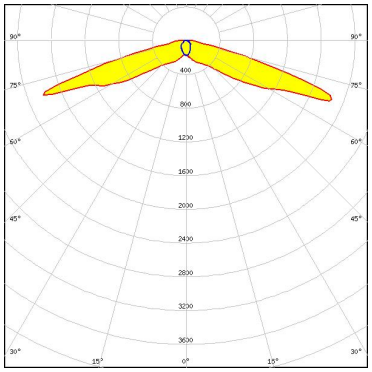
LED	NVSxx19B/NVSxx19C
FWHM	151.0 + 77.0°
Efficiency	87 %
Peak intensity	1.600 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

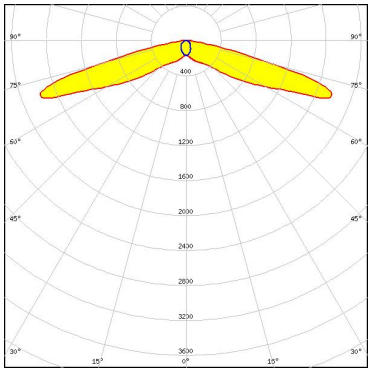
OSRAM
Opto Semiconductors

LED	Oslon Square EC
FWHM	150.0 + 76.0°
Efficiency	89 %
Peak intensity	1.850 cd/lm
Required components:	



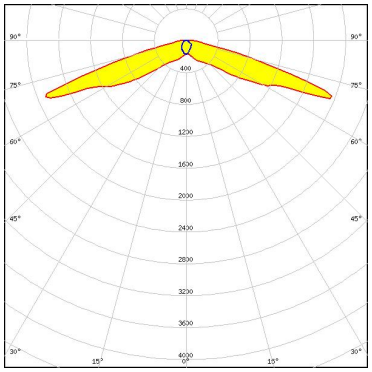
OSRAM
Opto Semiconductors

LED	Oslon Square Gen3
FWHM	152.0 + 76.0°
Efficiency	90 %
Peak intensity	1.780 cd/lm
Required components:	



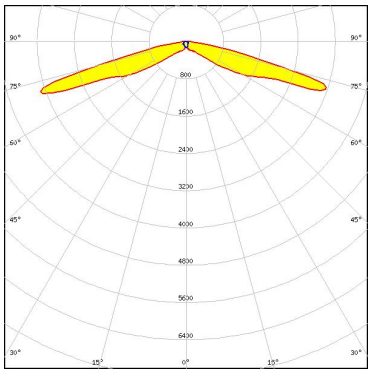
OSRAM
Opto Semiconductors

LED	Oslon Square PC
FWHM	150.0 + 86.0°
Efficiency	89 %
Peak intensity	2.000 cd/lm
Required components:	



OSRAM
Opto Semiconductors

LED	Oslon SSL 150
FWHM	152.0 + 99.0°
Efficiency	92 %
Peak intensity	2.900 cd/lm
Required components:	

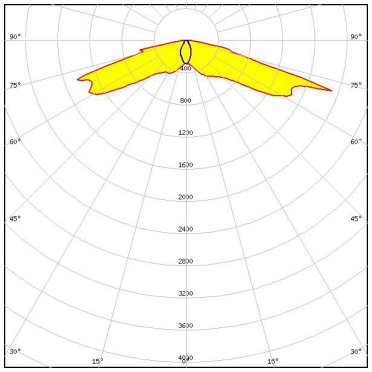


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	Oslon SSL 80
FWHM	148.0 + 53.0°
Efficiency	89 %
Peak intensity	2.300 cd/lm

Required components:



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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