

STRADA-2X2-ME

Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less the pole height

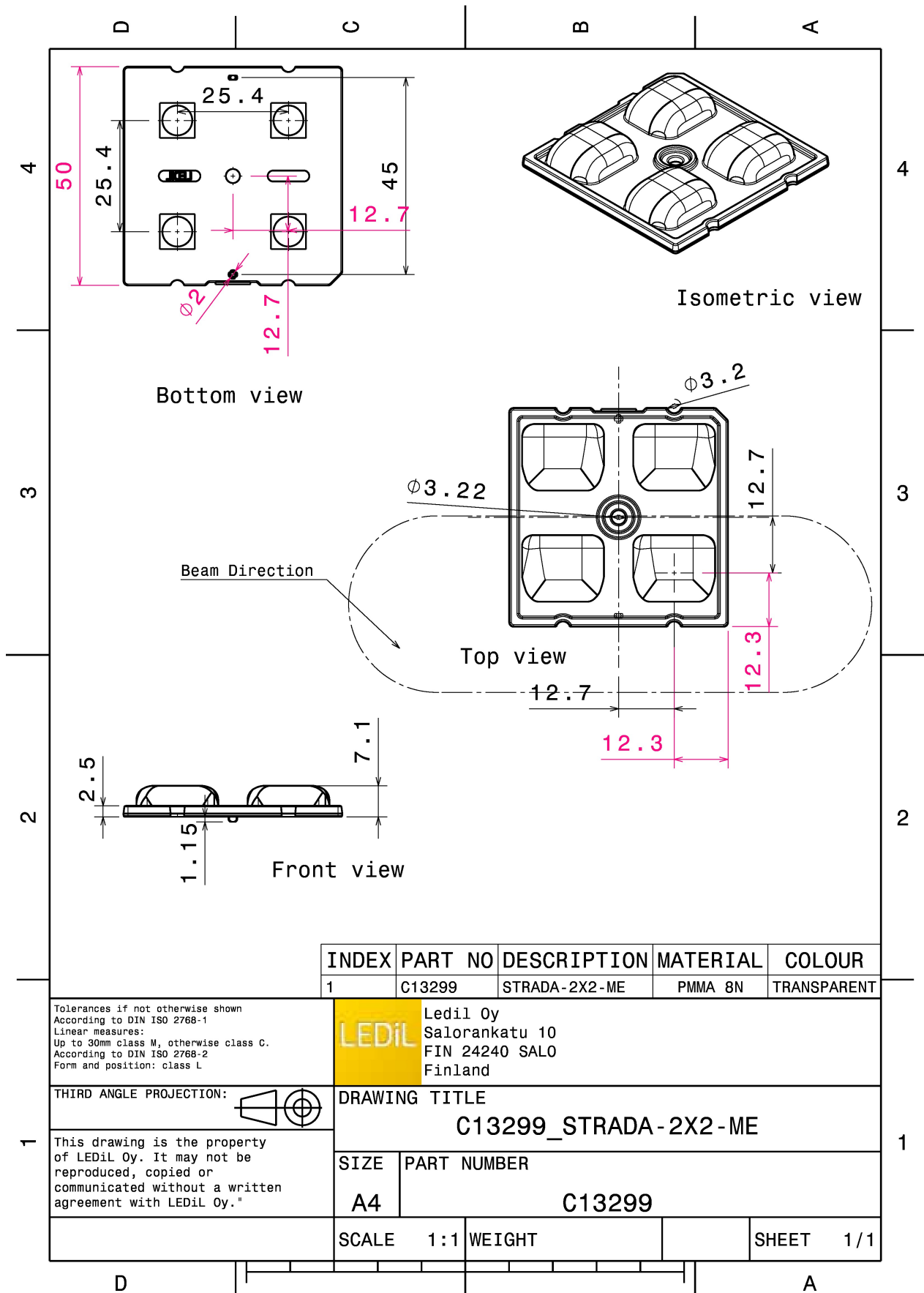
TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	7.1 mm
Fastening	glue, pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	800 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADA-2X2-ME	Lens array	PMMA	clear



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C13299	STRADA-2X2-ME	PMMA 8N	TRANSPARENT

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L



Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE

C13299_STRADA-2X2-ME

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SIZE PART NUMBER

A4

C13299

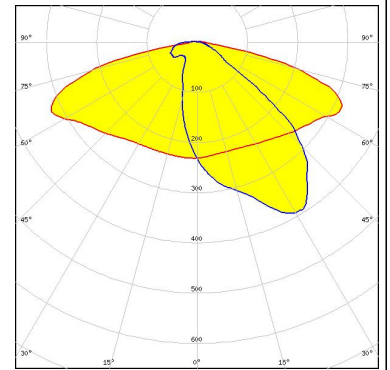
SCALE 1:1 WEIGHT

SHEET 1/1

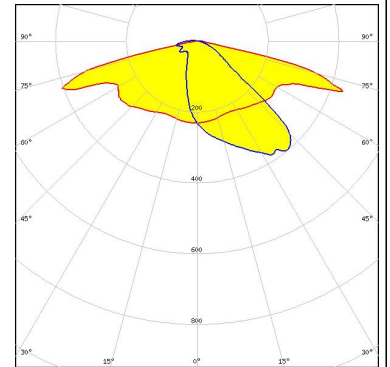
PHOTOMETRIC DATA (MEASURED):



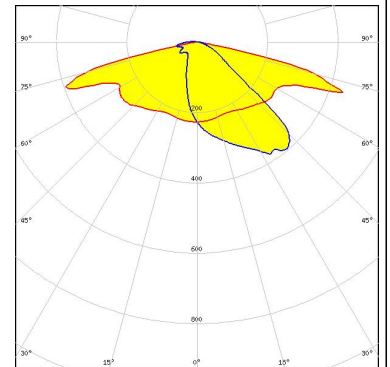
LED SMD 5050
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.530 cd/lm
 Required components:



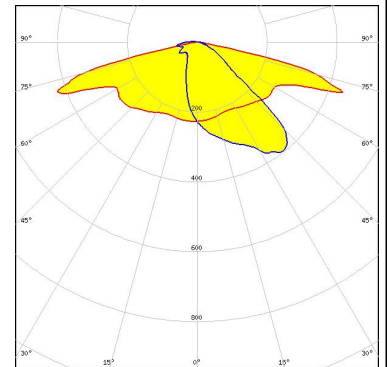
LED QUICK FLUX XTP 2x4 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.920 cd/lm
 Required components:



LED QUICK FLUX XTP 2x6 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.920 cd/lm
 Required components:



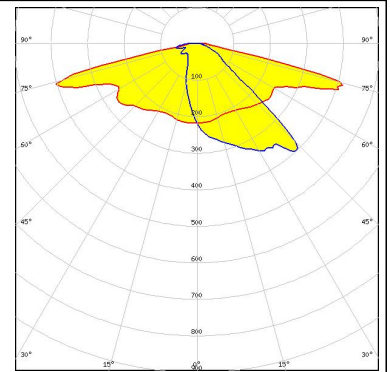
LED QUICK FLUX XTP 2x8 xxx LS G5
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.930 cd/lm
 Required components:



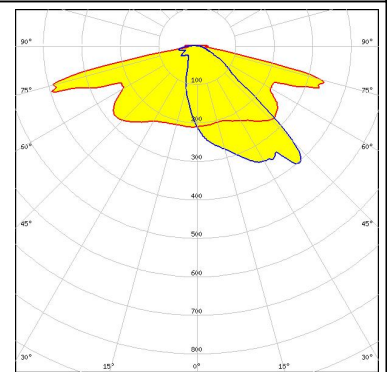
PHOTOMETRIC DATA (MEASURED):



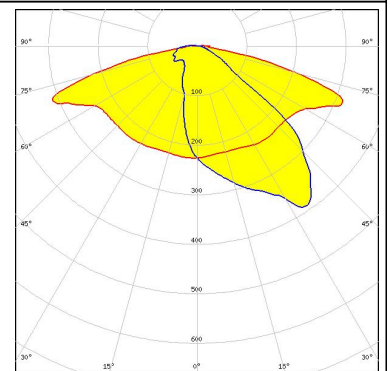
LED XB-D
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.150 cd/lm
 Required components:



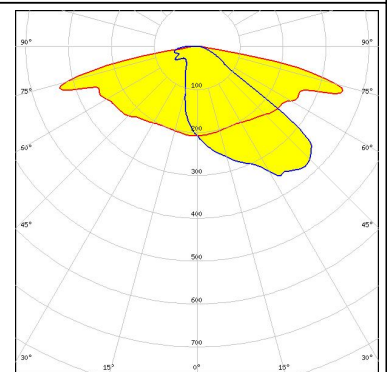
LED XD16
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.100 cd/lm
 Required components:



LED XD16 2x2 cluster
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.560 cd/lm
 Required components:



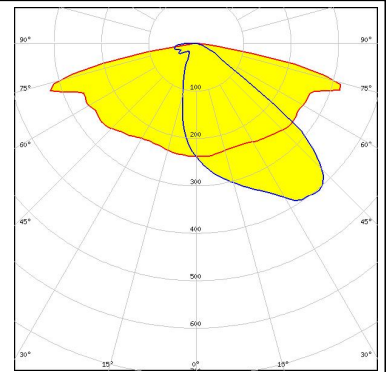
LED XM-L
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.700 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

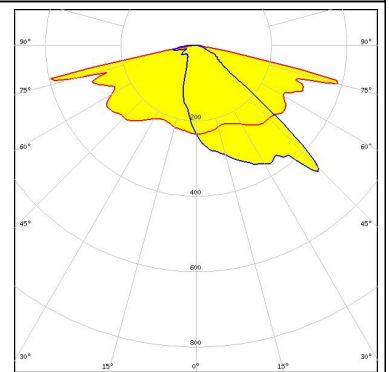
CREE ⇄

LED XM-L2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
Required components:



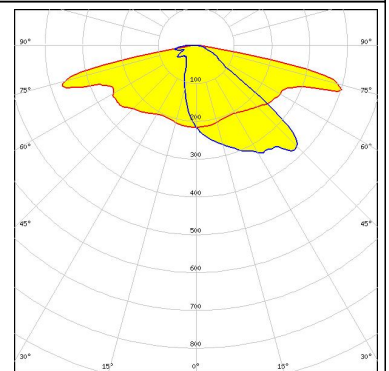
CREE ⇄

LED XP-E2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:



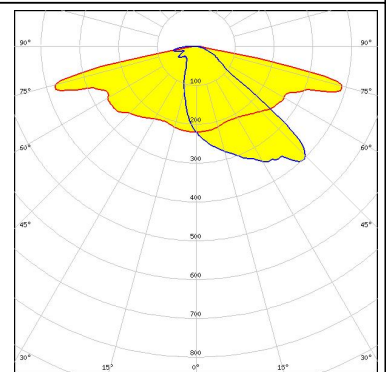
CREE ⇄

LED XP-G
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:



CREE ⇄

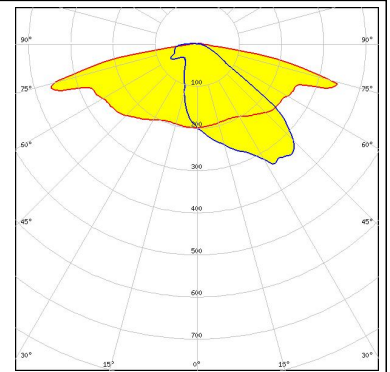
LED XP-G2
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



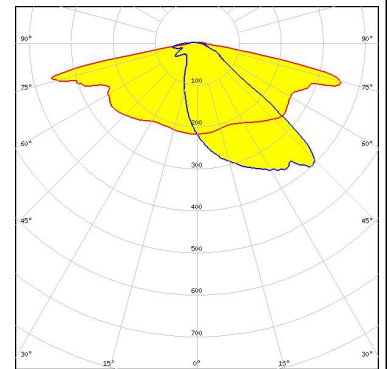
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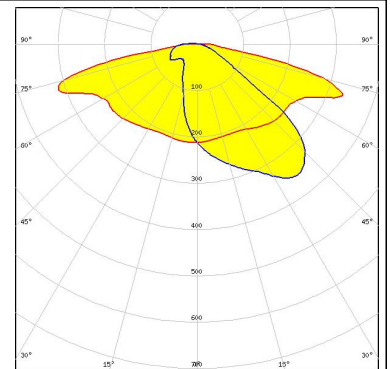
LED XP-L
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.720 cd/lm
 Required components:



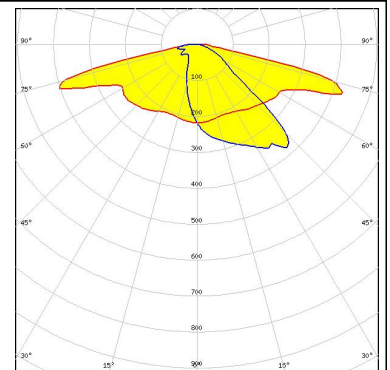
LED XP-L HI
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 Required components:



LED XP-L2
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.630 cd/lm
 Required components:



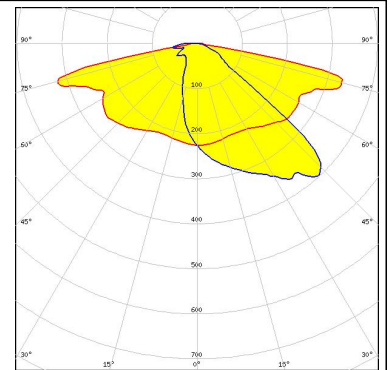
LED XT-E
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

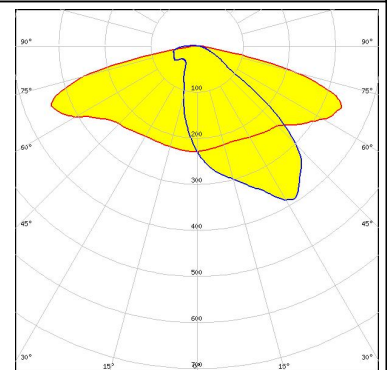
LG Innotek

LED H35C1 (LEMWA33)
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
Required components:



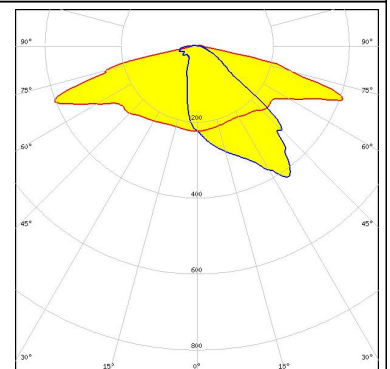
LUMILEDS

LED LUXEON 5050
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.570 cd/lm
Required components:



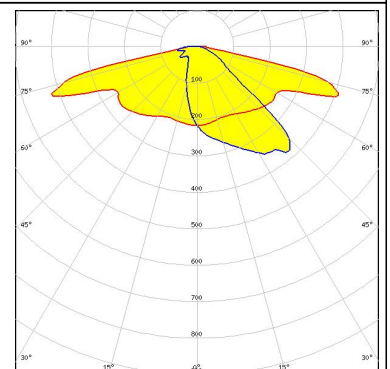
LUMILEDS

LED LUXEON MZ
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
Required components:



LUMILEDS

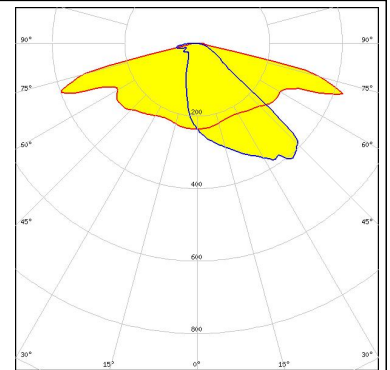
LED LUXEON Q
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

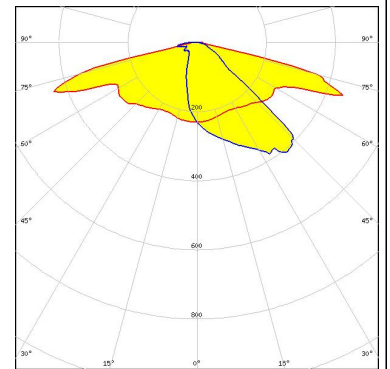
LUMILEDS

LED LUXEON R
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.900 cd/lm
 Required components:



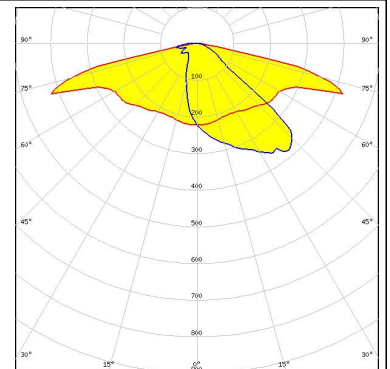
LUMILEDS

LED LUXEON Rebel ES
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 1.000 cd/lm
 Required components:



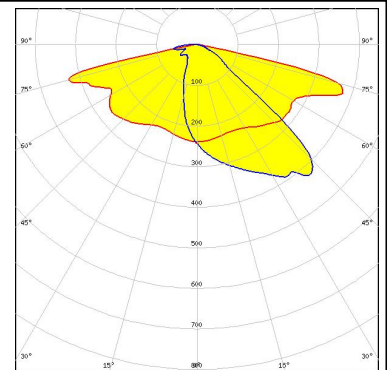
LUMILEDS

LED LUXEON T
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.970 cd/lm
 Required components:



LUMILEDS

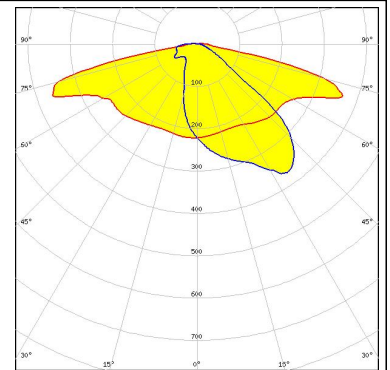
LED LUXEON TX
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.960 cd/lm
 Required components:



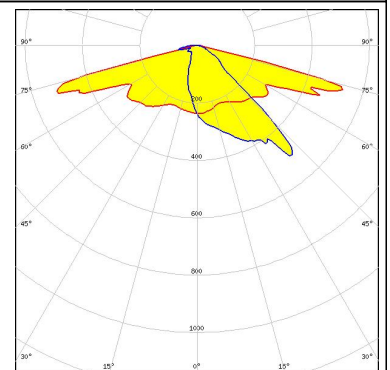
PHOTOMETRIC DATA (MEASURED):



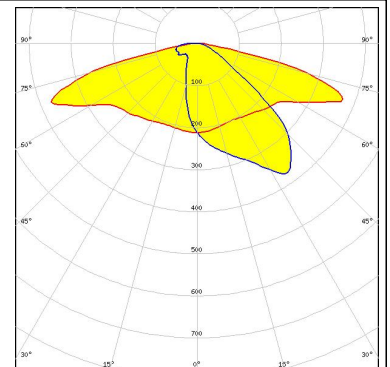
LED LUXEON V
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.660 cd/lm
Required components:



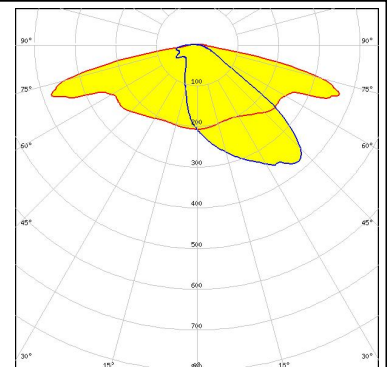
LED LUXEON Z ES
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:



LED NS9x383
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.600 cd/lm
Required components:



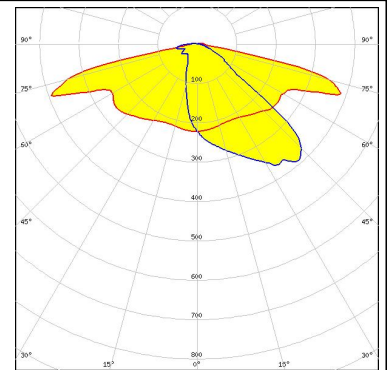
LED NVSW3x9A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.770 cd/lm
Required components:



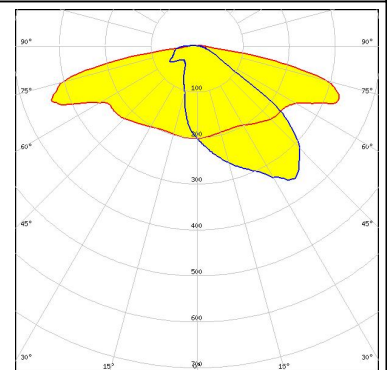
PHOTOMETRIC DATA (MEASURED):



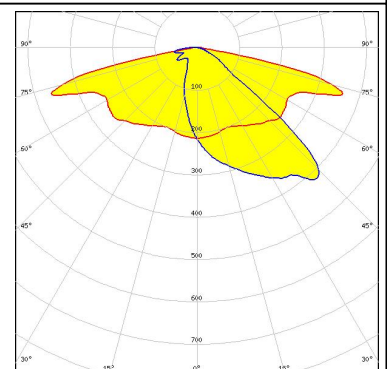
LED NVSxx19B/NVSxx19C
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.900 cd/lm
Required components:



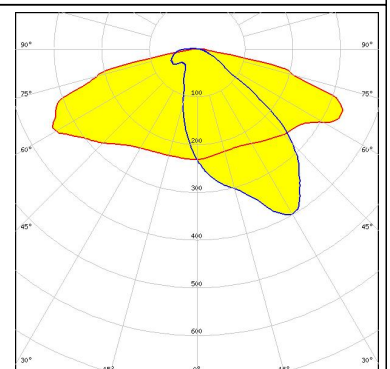
LED NWSx229A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.620 cd/lm
Required components:



LED PrevaLED Brick DC 2x8
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.980 cd/lm
Required components:



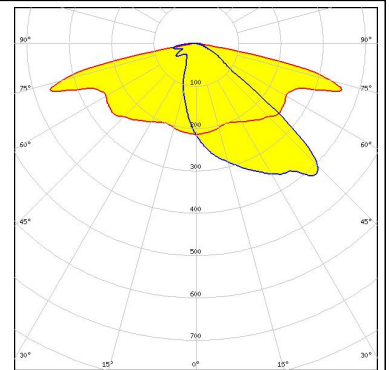
LED Duris S8
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.530 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

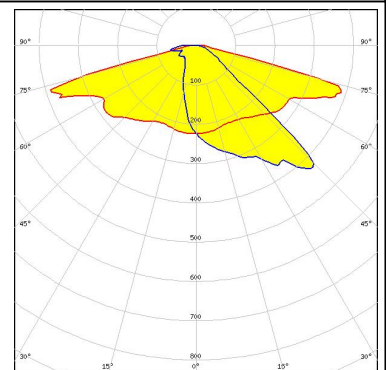
OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.980 cd/lm
Required components:



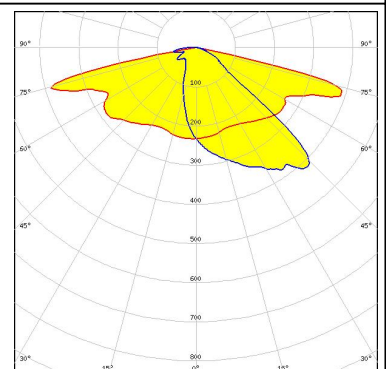
OSRAM
Opto Semiconductors

LED Oslon Square PC
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:



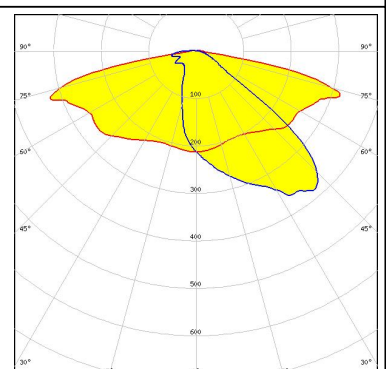
PHILIPS

LED Fortimo FastFlex LED board 2x8 DA G4
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



SAMSUNG

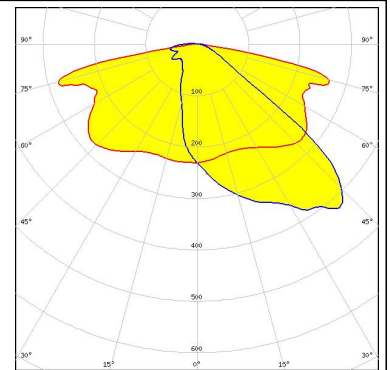
LED LH351B
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.740 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

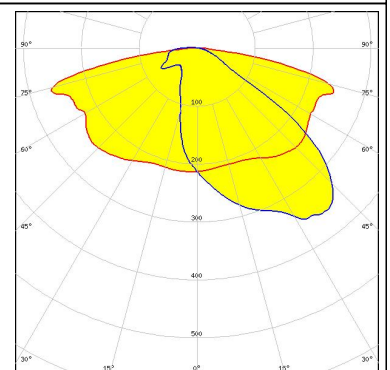
SAMSUNG

LED LH351C
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.700 cd/lm
Required components:



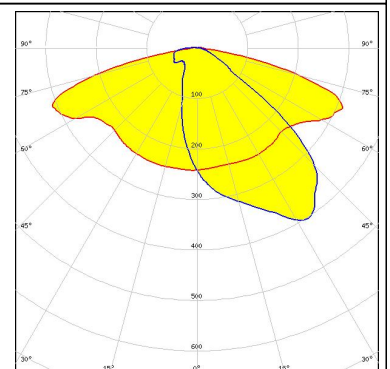
SAMSUNG

LED LH351D
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.590 cd/lm
Required components:



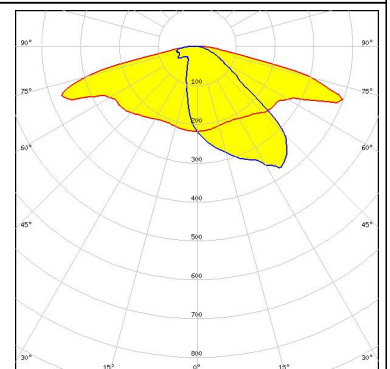
SAMSUNG

LED LH508A
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.530 cd/lm
Required components:


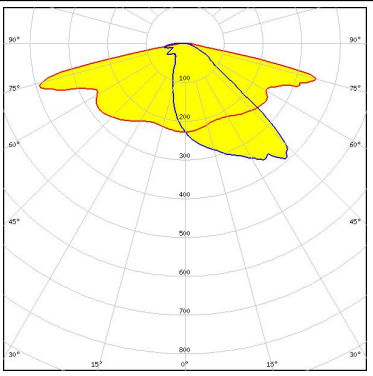

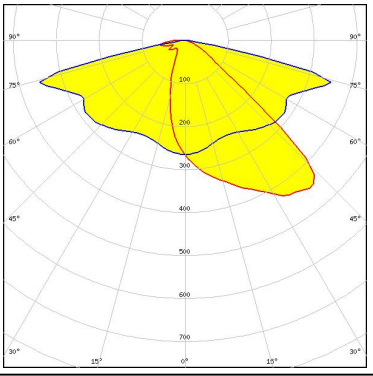

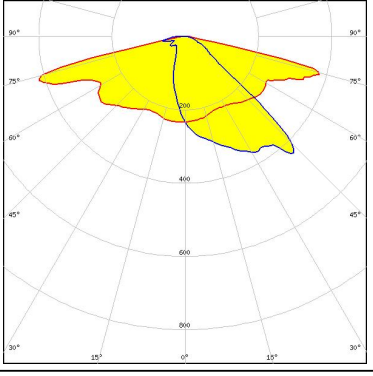

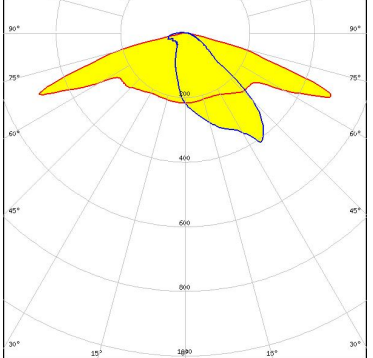


SEOUL SEMICONDUCTOR

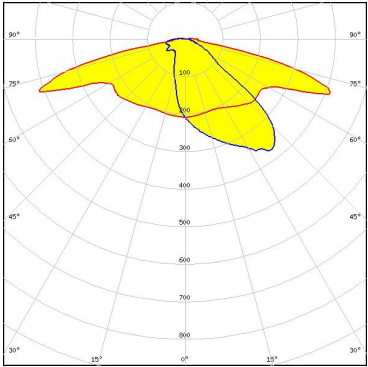
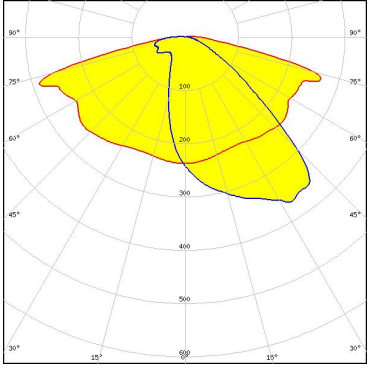
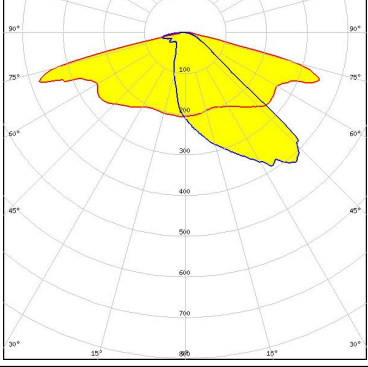
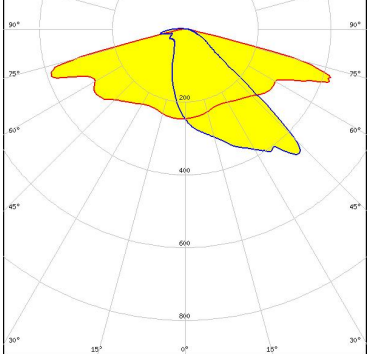
LED Acrich MJT 4040
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.800 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z5M FWHM Asymmetric Efficiency 94 % Peak intensity 1.000 cd/lm Required components:</p>	
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM Asymmetric Efficiency 94 % Peak intensity 0.800 cd/lm Required components:</p>	
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z5P FWHM Asymmetric Efficiency 94 % Peak intensity 1.000 cd/lm Required components:</p>	
<p> SEIOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.990 cd/lm Required components:</p>	

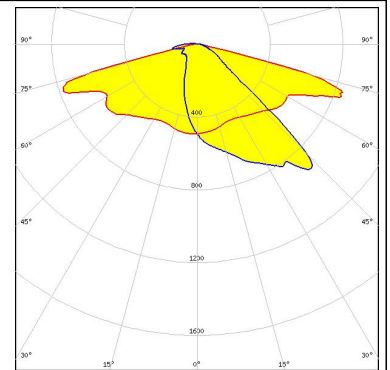
PHOTOMETRIC DATA (MEASURED):

<p>SEUL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM Asymmetric Efficiency 94 % Peak intensity 0.840 cd/lm Required components:</p>	
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.680 cd/lm Required components:</p>	
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4 FWHM Asymmetric Efficiency 91 % Peak intensity 0.880 cd/lm Required components:</p>	
<p>TRIDONIC</p> <p>LED RLE G1 49x121mm 2000lm xxx EXC OTD FWHM Asymmetric Efficiency 94 % Peak intensity 1.100 cd/lm Required components:</p>	

PHOTOMETRIC DATA (MEASURED):

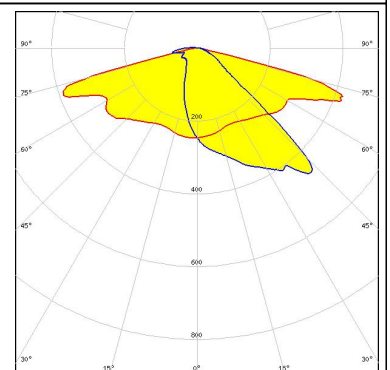
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



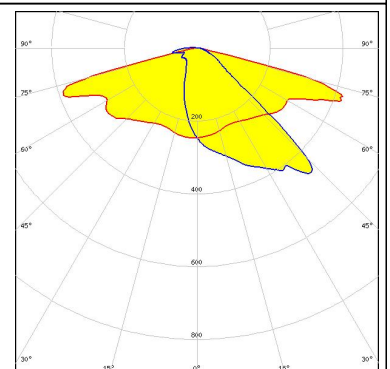
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



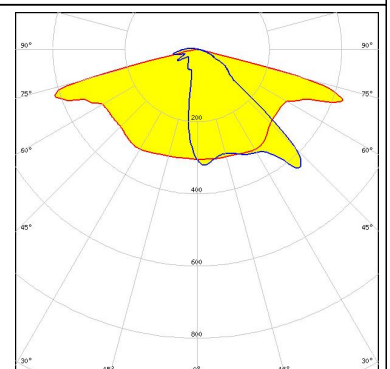
TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



TRIDONIC

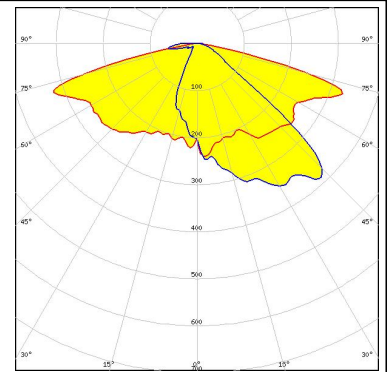
LED RLE G2 HP 2x8 4000lm
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:



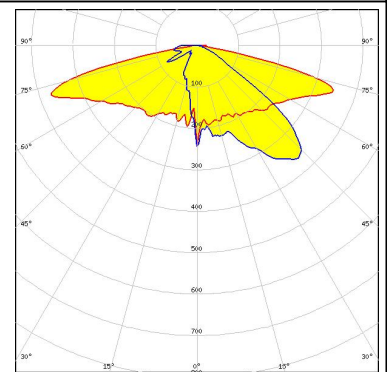
PHOTOMETRIC DATA (SIMULATED):



LED XB-H
FWHM Asymmetric
Efficiency 91 %
Peak intensity cd/lm
Required components:



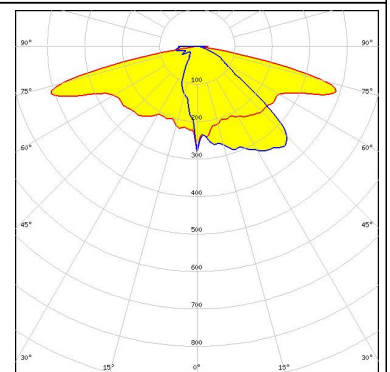
LED XHP35 HD
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.640 cd/lm
Required components:



LED XHP35 HI
FWHM Asymmetric
Efficiency 92 %
Peak intensity cd/lm
Required components:



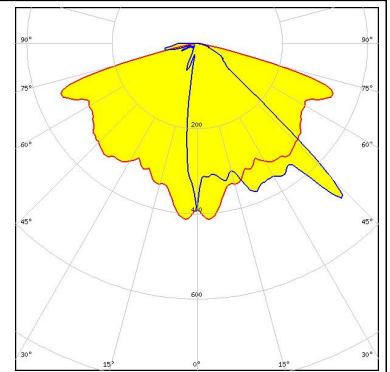
LED XP-G3
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.700 cd/lm
Required components:



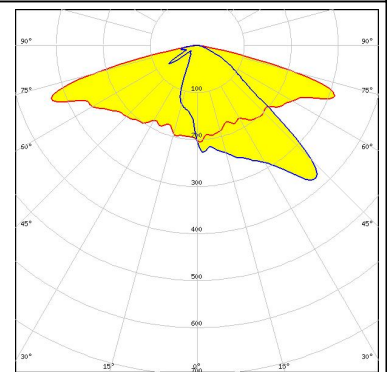
PHOTOMETRIC DATA (SIMULATED):



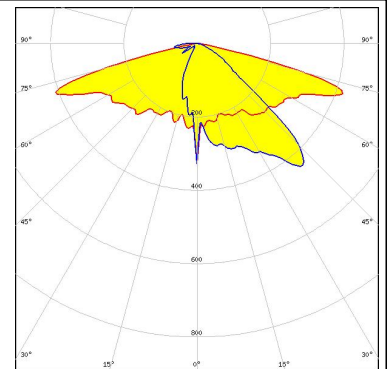
LED XQ-E
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity cd/lm
 Required components:



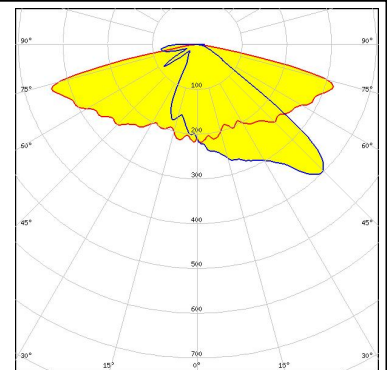
LED XT-E
 FWHM Asymmetric
 Efficiency 80 %
 Peak intensity 0.630 cd/lm
 Required components:
 Undefined Manufacturer: Protective Plate, Glass



LED LUXEON H50-2
 FWHM Asymmetric
 Efficiency %
 Peak intensity cd/lm
 Required components:



LED NVSW219D
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.698 cd/lm
 Required components:



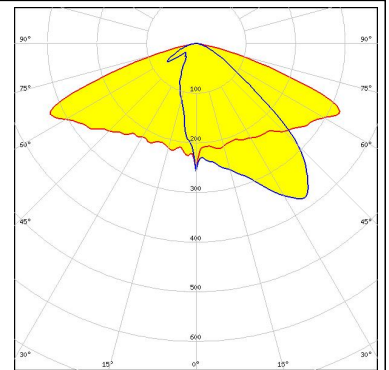
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Duris S8
FWHM Asymmetric
Efficiency 83 %
Peak intensity 0.520 cd/lm

Required components:

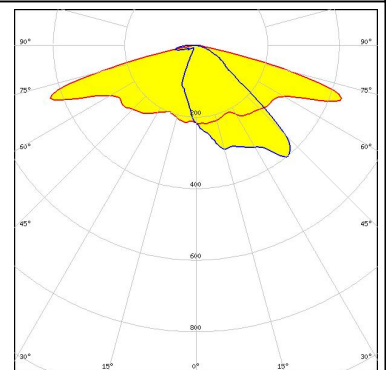
Undefined Manufacturer: Protective Plate, Glass



OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.740 cd/lm

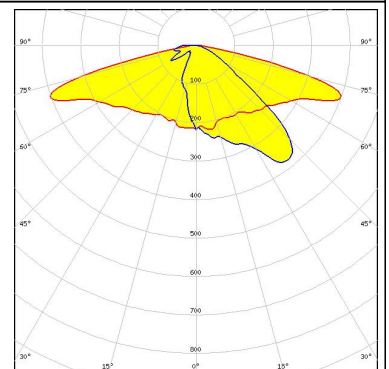
Required components:



OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.680 cd/lm

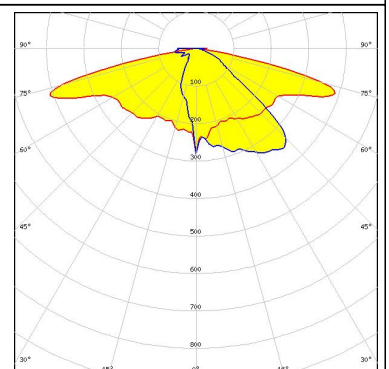
Required components:



PHILIPS

LED Fortimo FastFlex LED board 2x8 DAX G4
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.000 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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