

STRADA-2X2-ME-WIDE2

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

SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

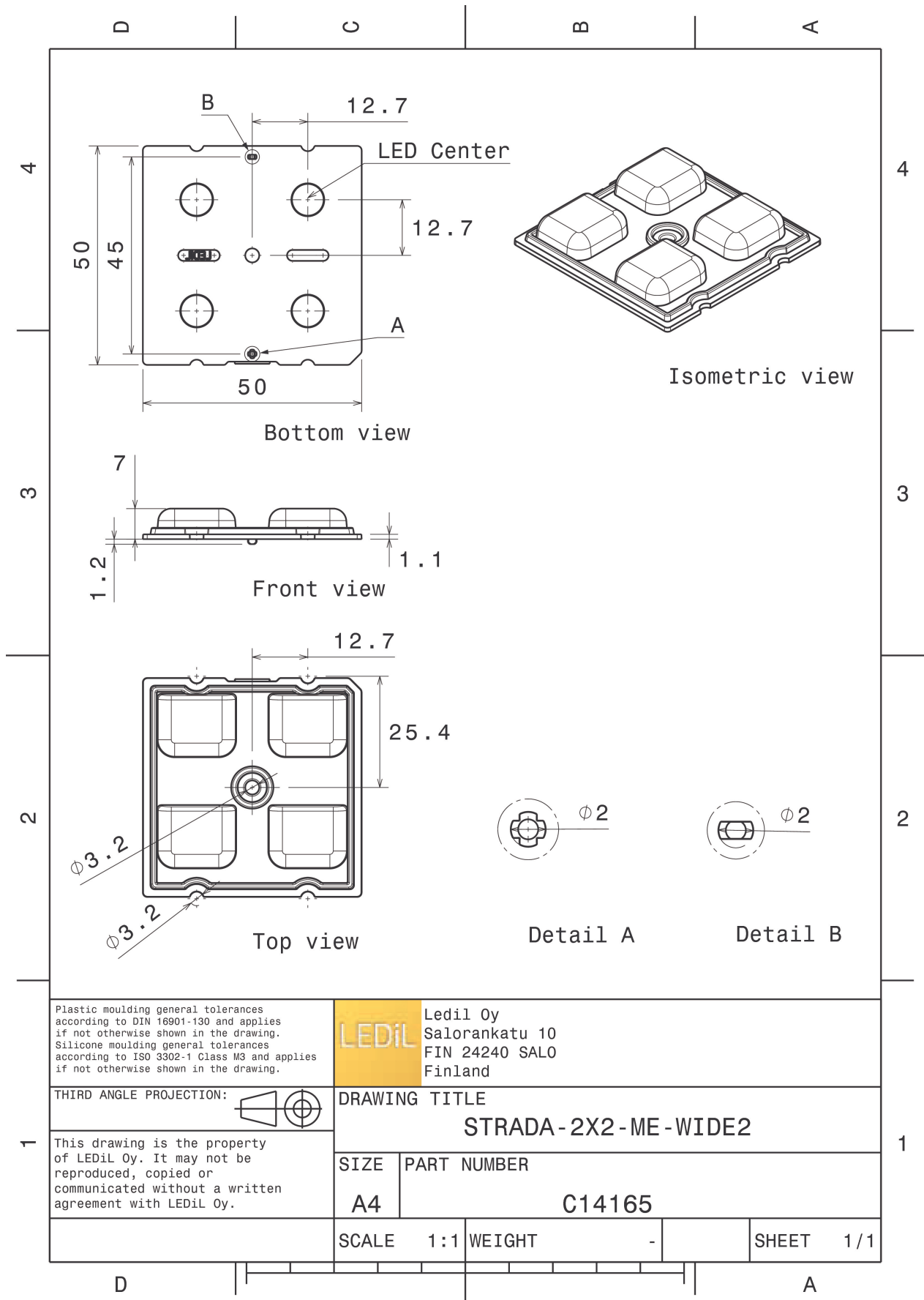


MATERIALS:

Component	Type	Material	Colour	Finish
STRADA-2X2-ME-WIDE2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14165_STRADA-2X2-ME-WIDE2 » Box size: 480 x 280 x 300 mm	800	160	160	7.6



Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

LEDiL Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
STRADA - 2X2 - ME - WIDE2

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SIZE	PART NUMBER
A4	C14165

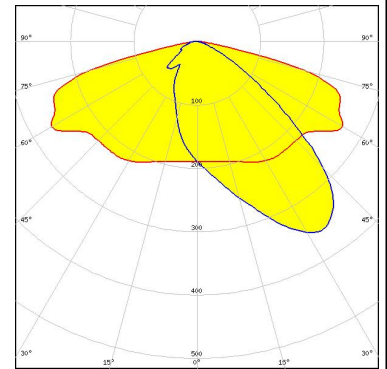
SCALE	1:1	WEIGHT	-	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

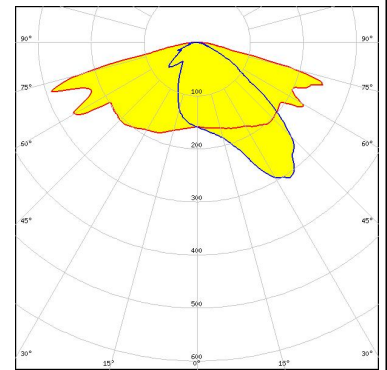
OPTICAL RESULTS (MEASURED):



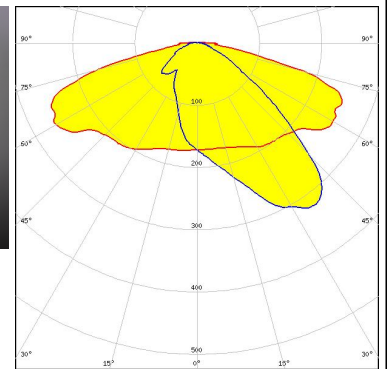
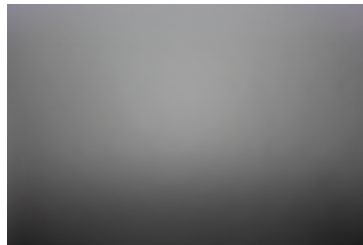
LED J Series 5050C 6V E Class
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



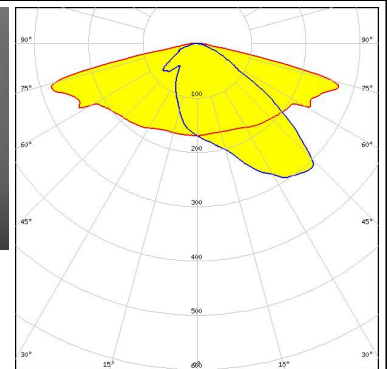
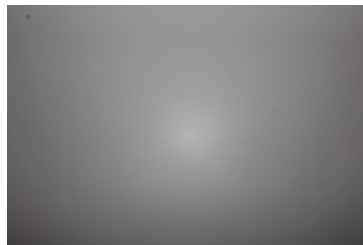
LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XD16
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



LED XM-L3
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

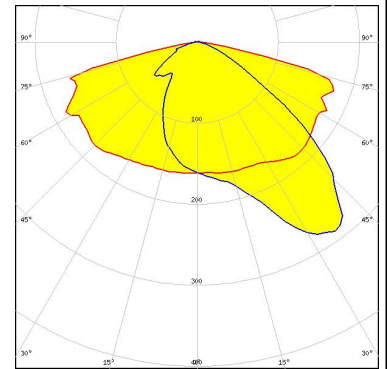


OPTICAL RESULTS (MEASURED):



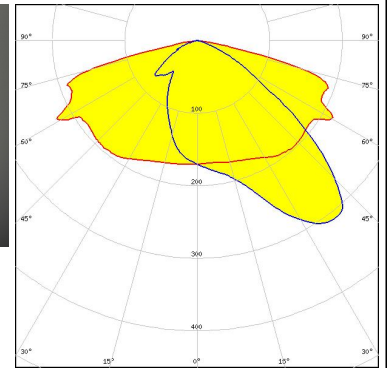
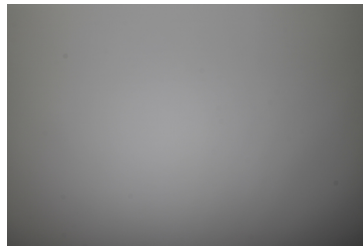
LED XP-G2
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

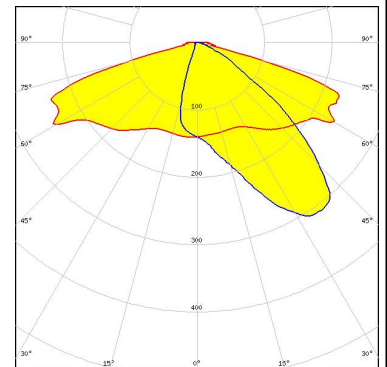


LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

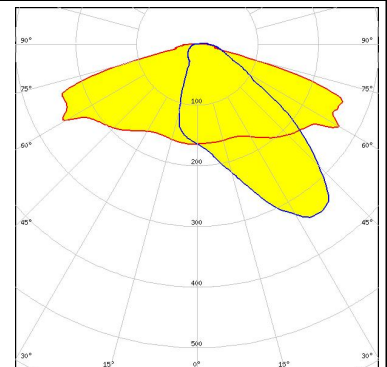
Protective plate, glass



LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 72 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK



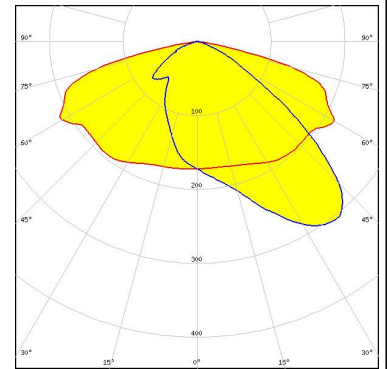
LED XP-G3
 FWHM / FWTM Asymmetric
 Efficiency 87 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



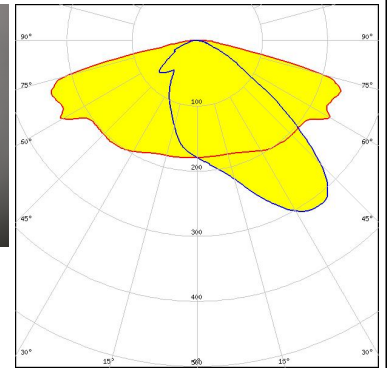
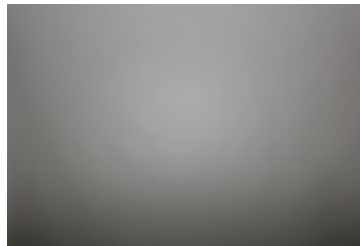
OPTICAL RESULTS (MEASURED):



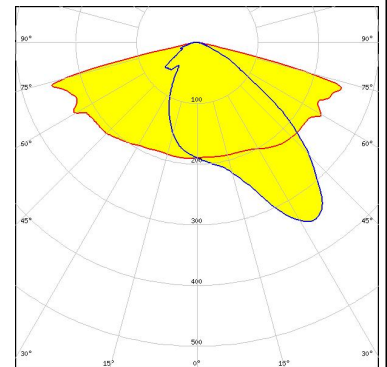
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



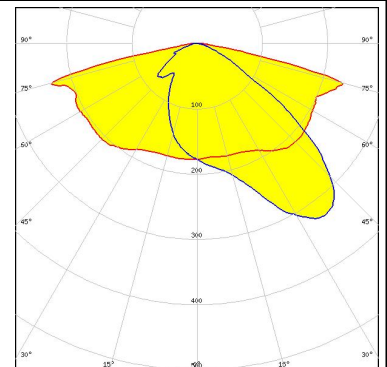
LED LUXEON V
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



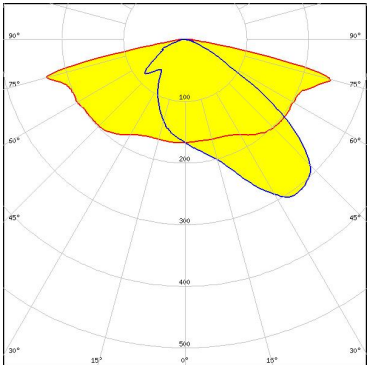
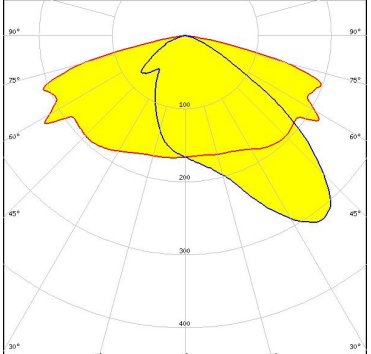
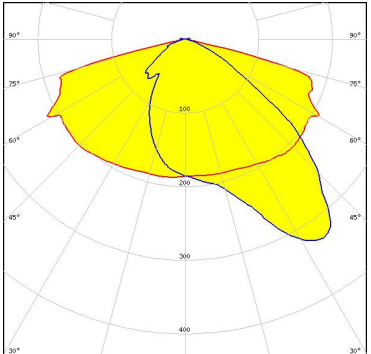
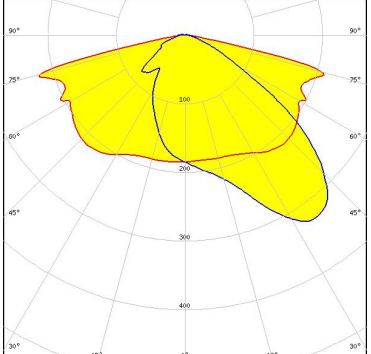
LED RecLED 122x50mm 1900lm 730 2x4 Opt G1
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW219F
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



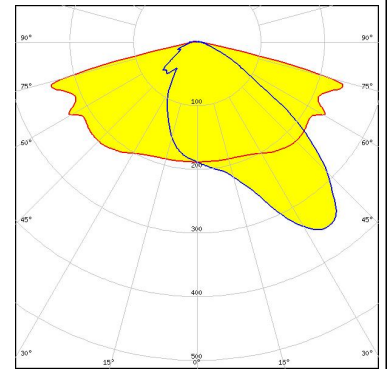
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>PHILIPS</p> <p>LED Fortimo FastFlex LED 2x8 DA G4 FWHM / FWTM Asymmetric Efficiency 86 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p>Protective plate, glass</p>	
<p>PHILIPS</p> <p>LED Fortimo FastFlex LED 2x8 DA G4+ FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (MEASURED):

PHILIPS

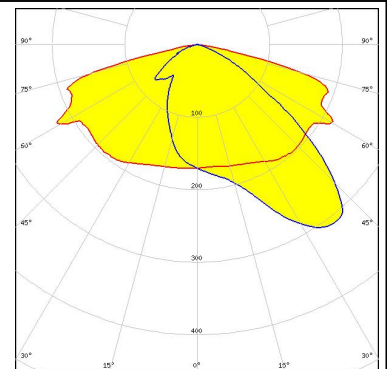
LED Fortimo FastFlex LED 2x8 DA G5
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

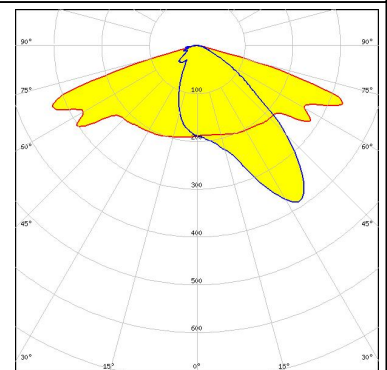
LED Fortimo FastFlex LED 2x8 DAX G4
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



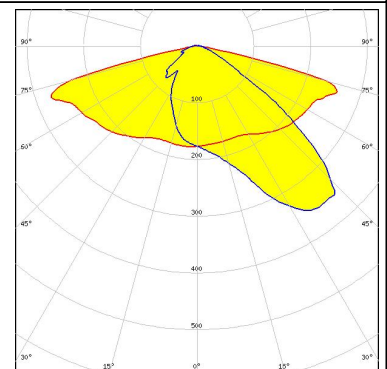
SAMSUNG

LED HiLOM RC12 Z (LH181B)
 FWHM / FWTM Asymmetric
 Efficiency 99 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

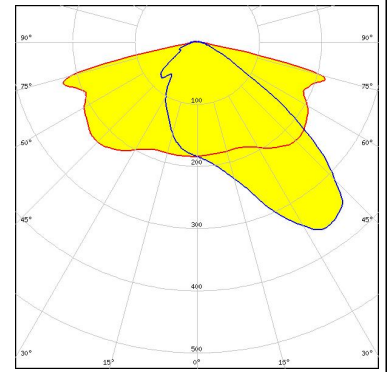
LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

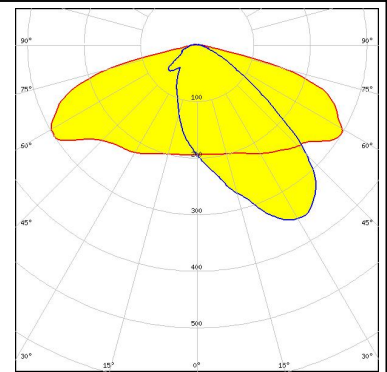
SAMSUNG

LED HiLOM RH16 (LH351C)
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 0.8 cd/m
LEDs/each optic 1
Light colour White
Required components:



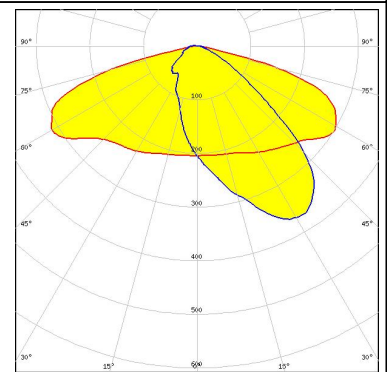
SAMSUNG

LED HiLOM RM12 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/m
LEDs/each optic 1
Light colour White
Required components:



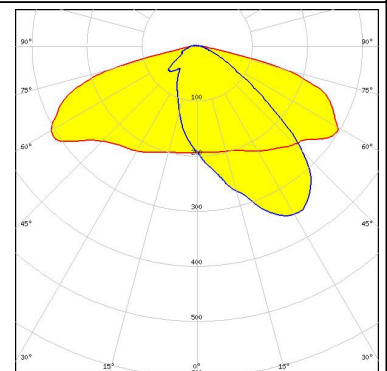
SAMSUNG

LED HiLOM RM16 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 98 %
Peak intensity 0.6 cd/m
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

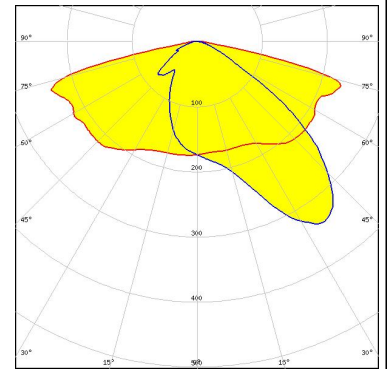
LED HiLOM RM8 Z (LH502C)
FWHM / FWTM Asymmetric
Efficiency 97 %
Peak intensity 0.5 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

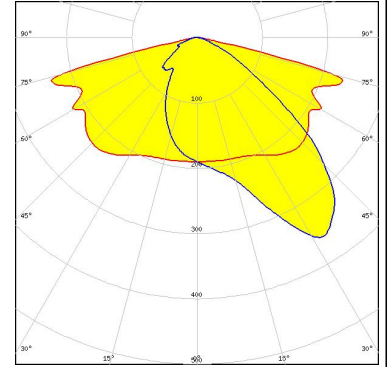
SAMSUNG

LED LH351B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



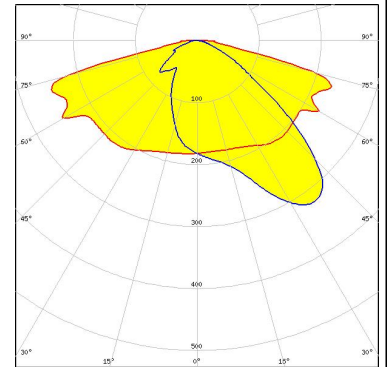
SKITEC

LED LED-Pa-L15c2W11c2-xxx-C050-01
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



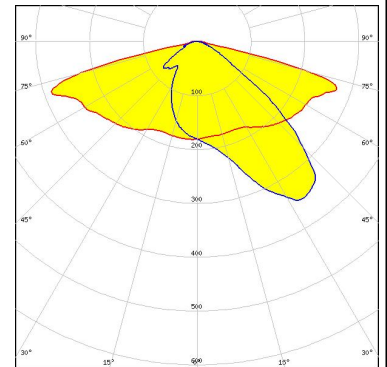
SEOL

SEOL SEMICONDUCTOR
 LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

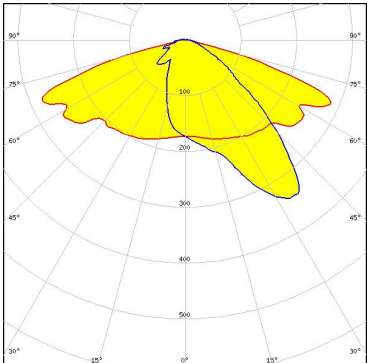
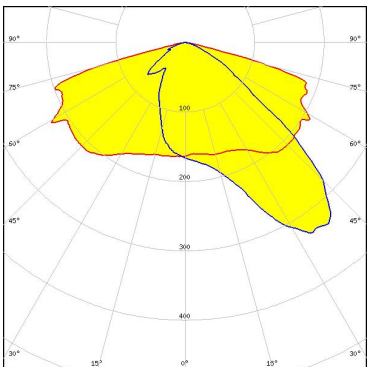
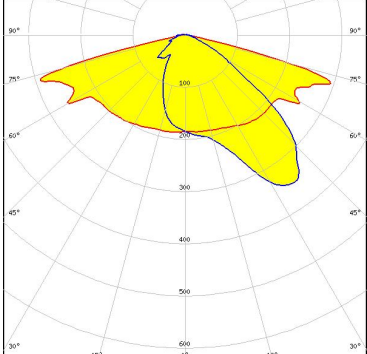


SEOL

SEOL SEMICONDUCTOR
 LED Z5M4
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



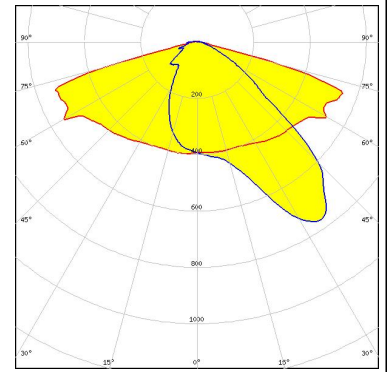
OPTICAL RESULTS (MEASURED):

<p>SEUL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4 FWHM / FWTM Asymmetric Efficiency 81 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p> <p style="background-color: #ADD8E6; padding: 5px; display: inline-block;">Protective plate, glass</p>	
<p>TRIDONIC</p> <p>LED RLE 2x4 2000lm HP EXC2 OTD FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>TRIDONIC</p> <p>LED RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (MEASURED):

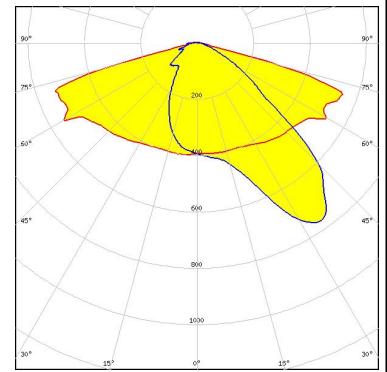
TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



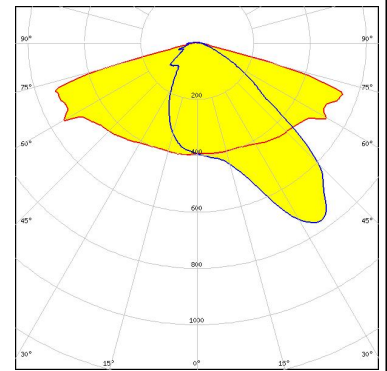
TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



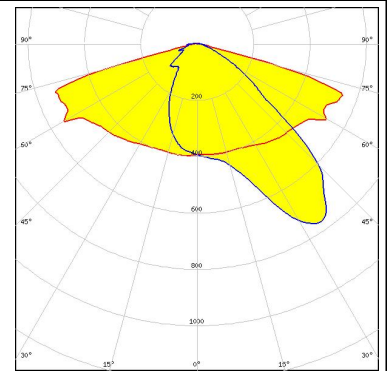
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

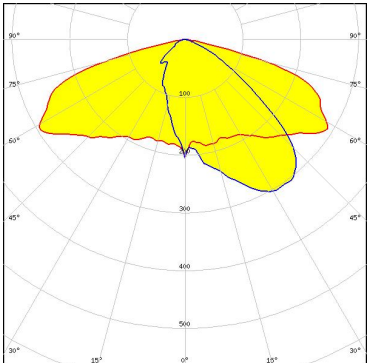
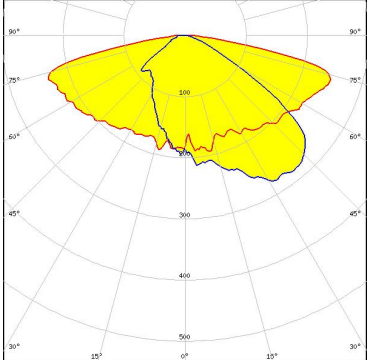
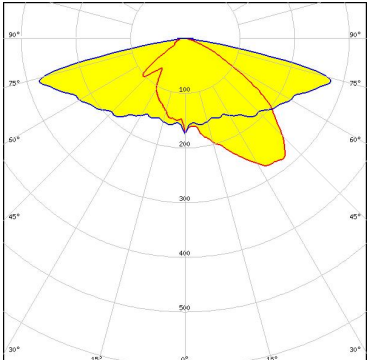
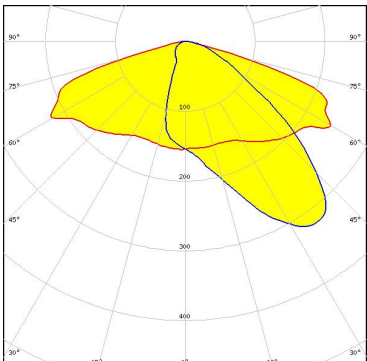


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM / FWTM Asymmetric
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



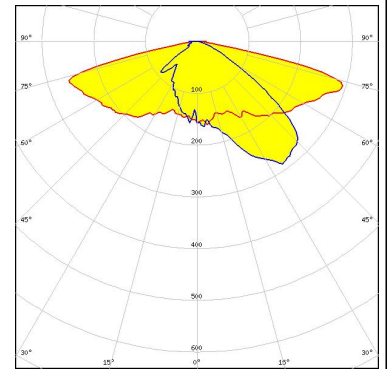
OPTICAL RESULTS (SIMULATED):

<p>bridgelux.</p> <p>LED: Bridgelux SMD 5050 FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.5 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>CREE LEDs</p> <p>LED: XHP35 HD FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LEDs</p> <p>LED: XP-G2 HE FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LEDs</p> <p>LED: XP-G3 FWHM / FWTM: Asymmetric Efficiency: 73 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components: C17580_STRADA-2X2-SHD-WHT</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	

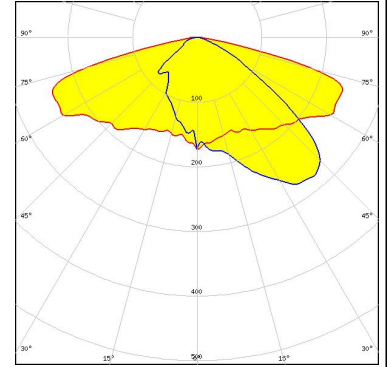
OPTICAL RESULTS (SIMULATED):



LED XP-L HD
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



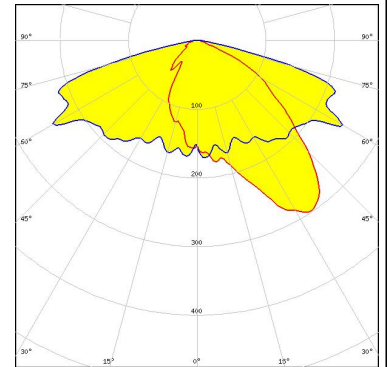
LED XP-L2
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Protective plate, glass



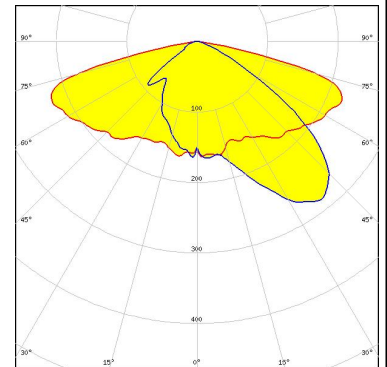
LED XT-E
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Protective plate, glass



LED LUXEON HL2X
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

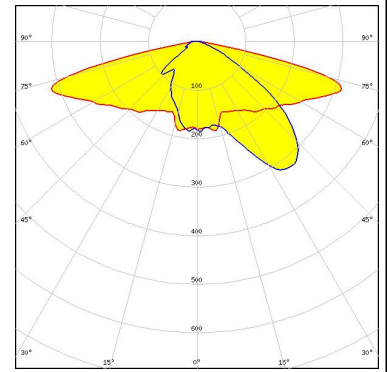


Protective plate, glass

OPTICAL RESULTS (SIMULATED):

LUMILEDS

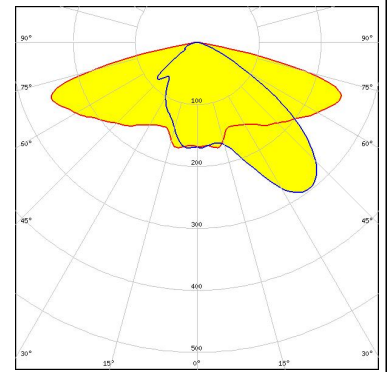
LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 96 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

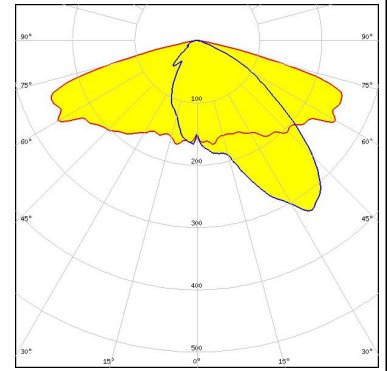
Protective plate, glass



NICHIA

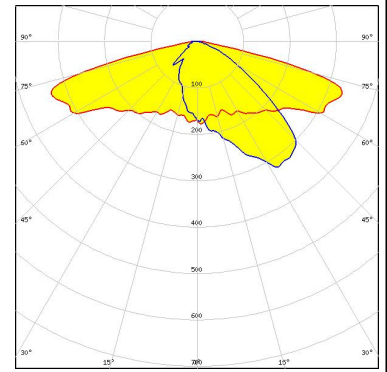
LED NF2x757G
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



NICHIA

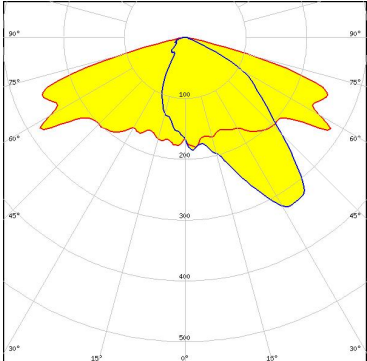
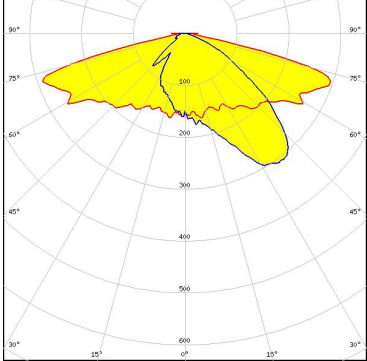
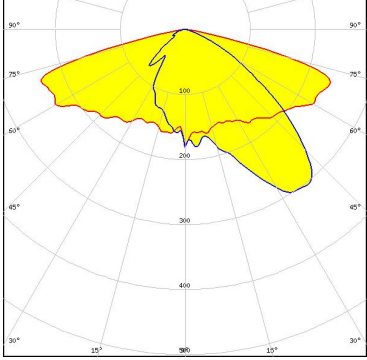
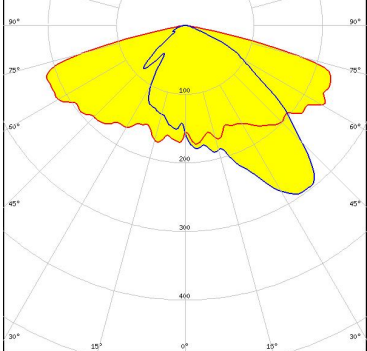
LED NV4WB35AM
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: Asymmetric Efficiency: 80 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: Asymmetric Efficiency: 93 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

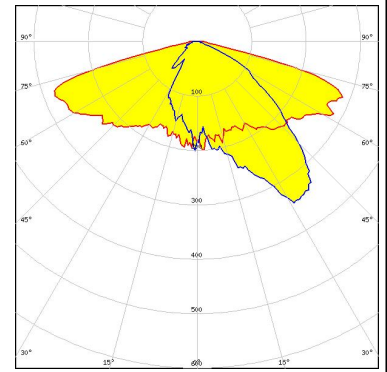
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: Asymmetric Efficiency: 82 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: Asymmetric Efficiency: 94 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: Asymmetric Efficiency: 81 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> <p>Protective plate, glass</p>	
<p>OSRAM</p> <p>LED: PrevaLED Brick HP 2x8 FWHM / FWTM: Asymmetric Efficiency: 92 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

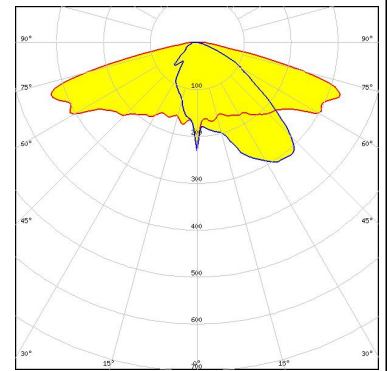
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM Asymmetric
 Efficiency 81 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

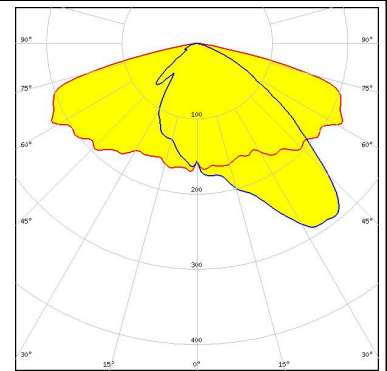


OSRAM

Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

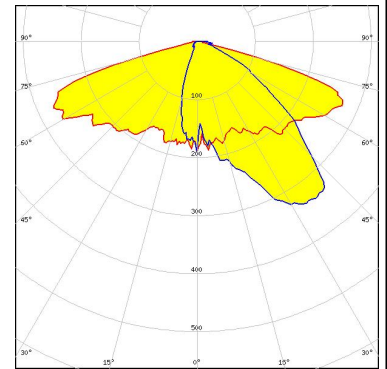


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

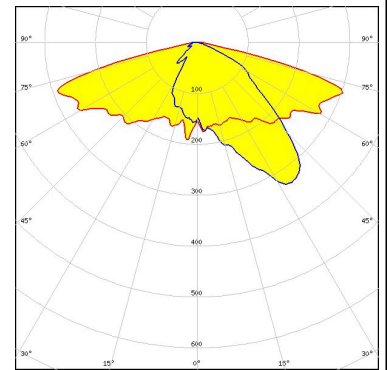
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 79 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17580_STRADA-2X2-SHD-WHT



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 92 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

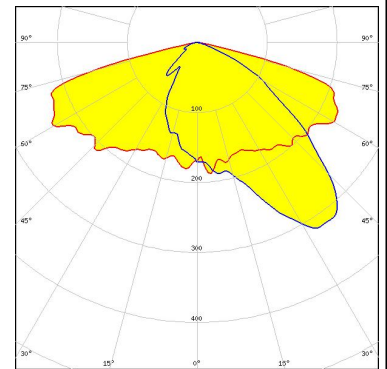


OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

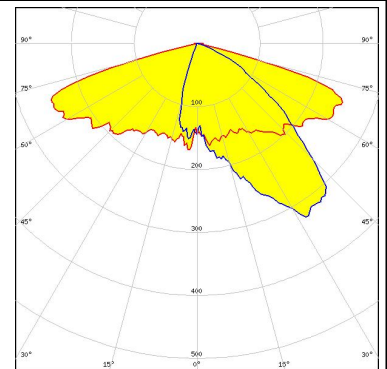
Protective plate, glass



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM Asymmetric
 Efficiency 73 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C17677_STRADA-2X2-SHD-BLK

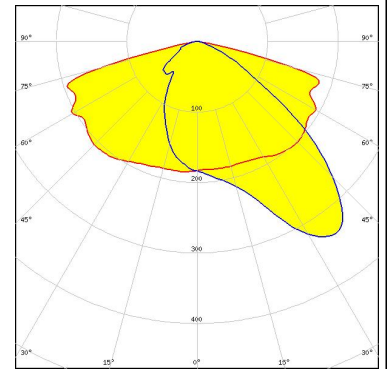


OPTICAL RESULTS (SIMULATED):

PHILIPS

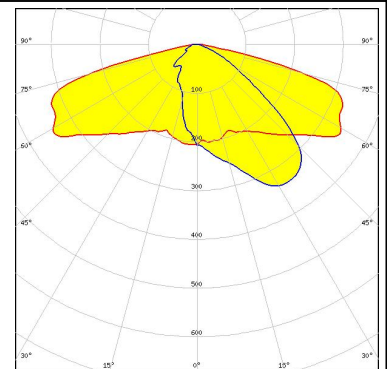
LED Fortimo FastFlex LED 2x8 DA G5
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



PHILIPS

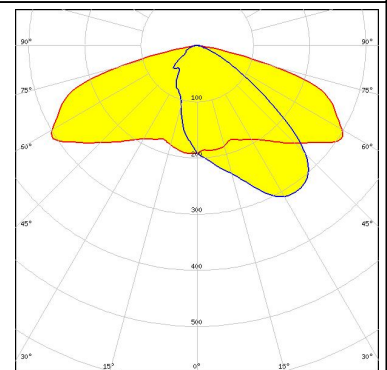
LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM Asymmetric
 Efficiency 97 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE
 FWHM / FWTM Asymmetric
 Efficiency 83 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

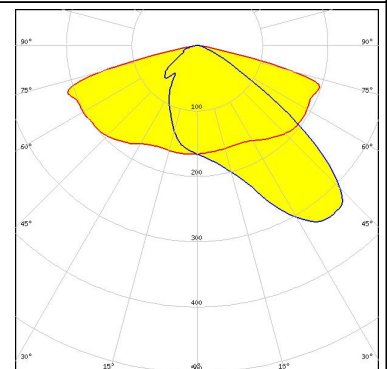
Protective plate, glass



SAMSUNG

LED HiLOM RH12 Z (LH351C)
 FWHM / FWTM Asymmetric
 Efficiency 82 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass

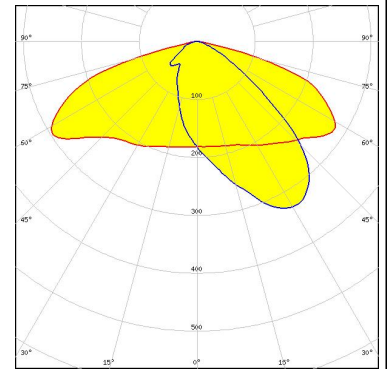


OPTICAL RESULTS (SIMULATED):

SAMSUNG

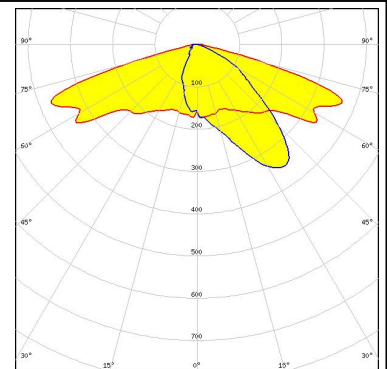
LED HiLOM RM8 Z (LH502C)
 FWHM / FWTM Asymmetric
 Efficiency 84 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



SAMSUNG

LED LH231B
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

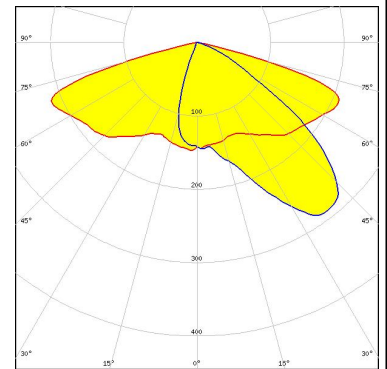


SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 64 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

C17677_STRADA-2X2-SHD-BLK

Protective plate, glass

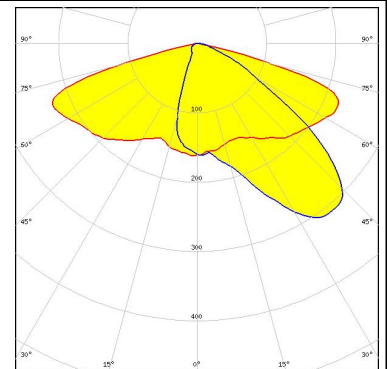


SAMSUNG

LED LH351C
 FWHM / FWTM Asymmetric
 Efficiency 71 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

C17580_STRADA-2X2-SHD-WHT

Protective plate, glass

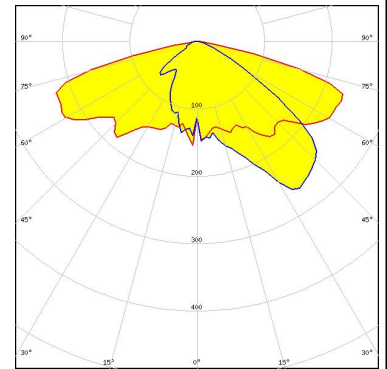


OPTICAL RESULTS (SIMULATED):

SAMSUNG

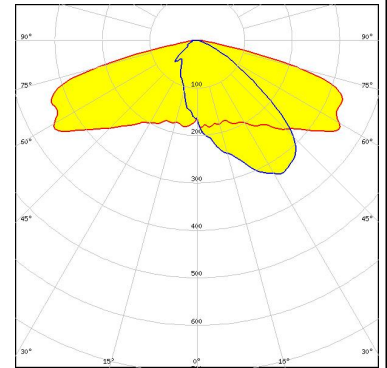
LED LH351D
 FWHM / FWTM Asymmetric
 Efficiency 75 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



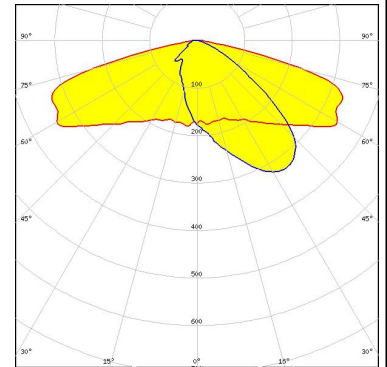
SEOUL SEMICONDUCTOR

LED MJT 5050
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

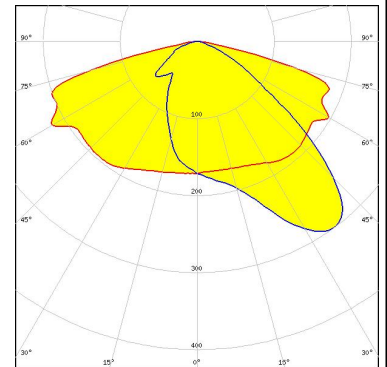
LED SEOUL DC 5050 6V
 FWHM / FWTM Asymmetric
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



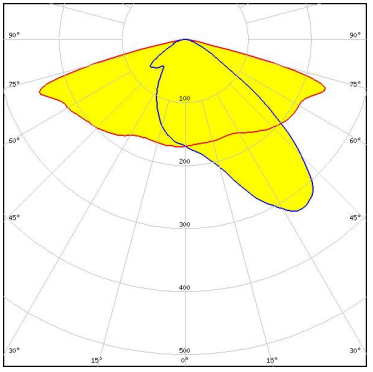
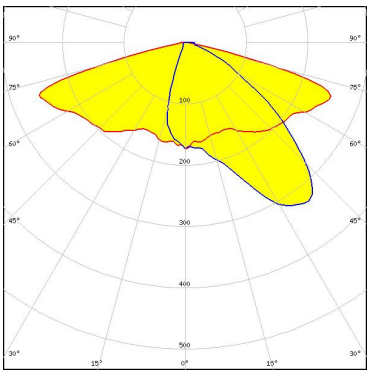
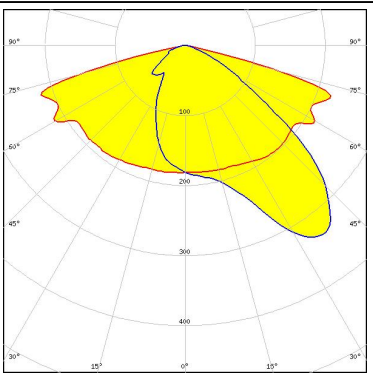
SEOUL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM Asymmetric
 Efficiency 80 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



OPTICAL RESULTS (SIMULATED):

<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED: Z5M4 FWHM / FWTM: Asymmetric Efficiency: 83 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</p>	
<p>TRIDONIC</p> <p>LED: RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM: Asymmetric Efficiency: 76 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components: C17677_STRADA-2X2-SHD-BLK</p>	
<p>TRIDONIC</p> <p>LED: RLE 2x8 4000lm HP EXC2 OTD FWHM / FWTM: Asymmetric Efficiency: 84 % Peak intensity: 0.6 cd/lm LEDs/each optic: 1 Light colour: White</p> <p>Required components:</p> <p>Protective plate, glass</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.

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