STRADA-2X2-ME

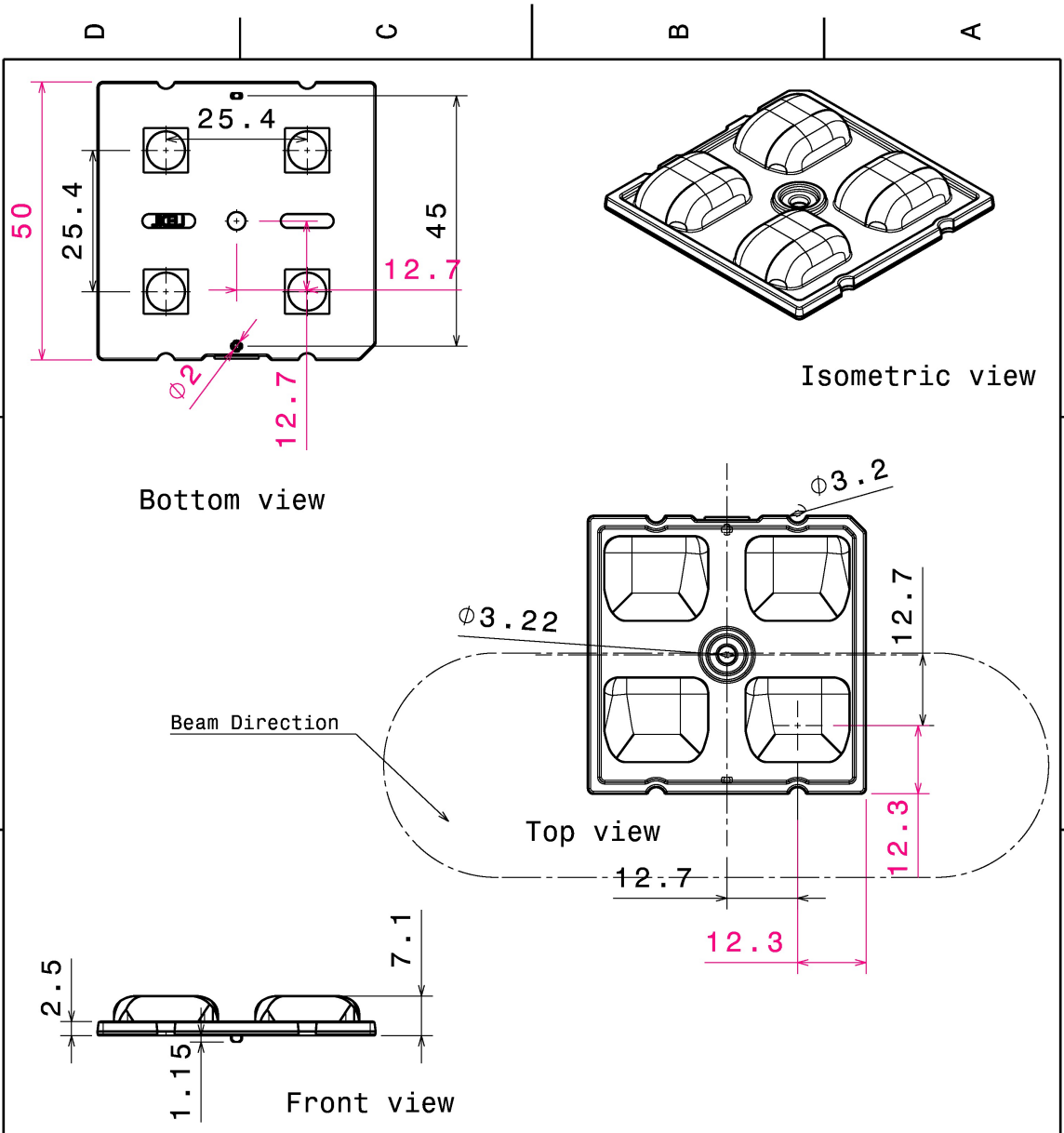
Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less the pole height

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

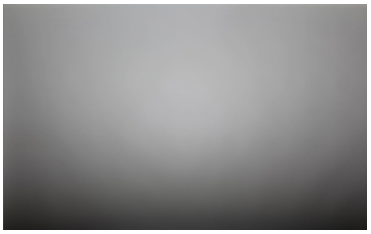
SIZE A4 | PART NUMBER C13299

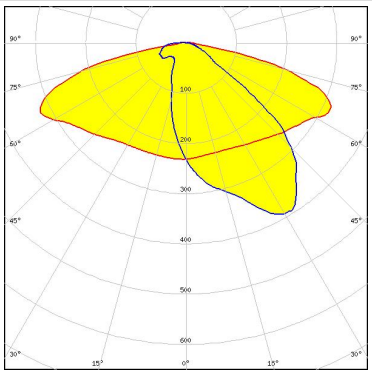
SCALE 1:1 | WEIGHT | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

bridgelux

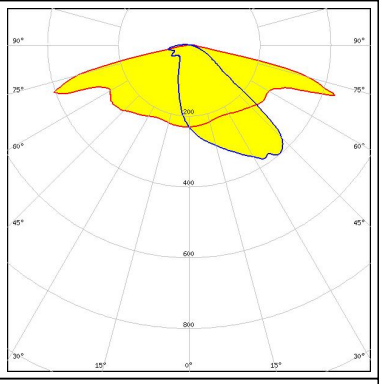
LED	Bridgelux SMD 5050
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.530 cd/lm
Required components:	





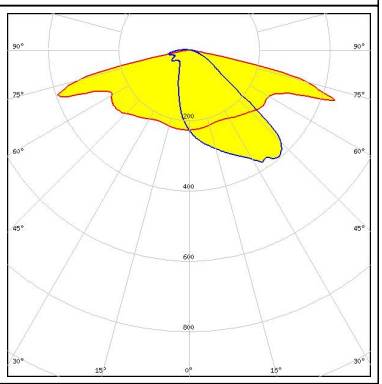
COMET ELECTRONICS

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



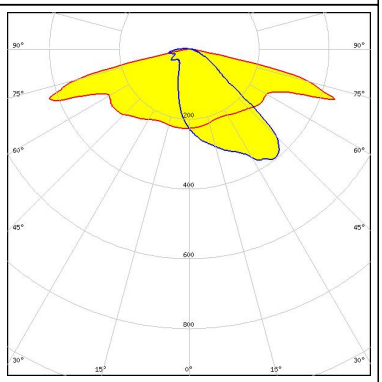
COMET ELECTRONICS

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



COMET ELECTRONICS

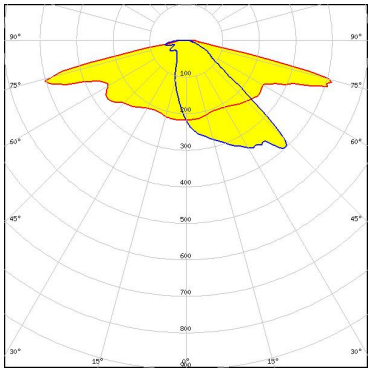
LED	QUICK FLUX XTP 2x8 xxx LS G5
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.930 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

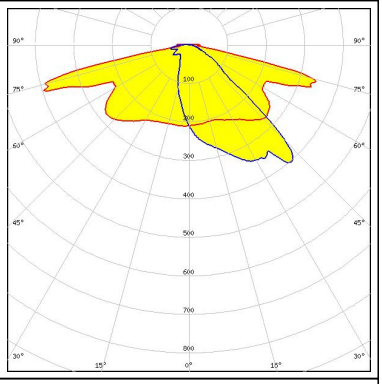
CREE

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



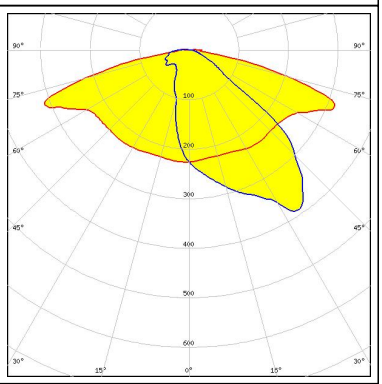
CREE

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



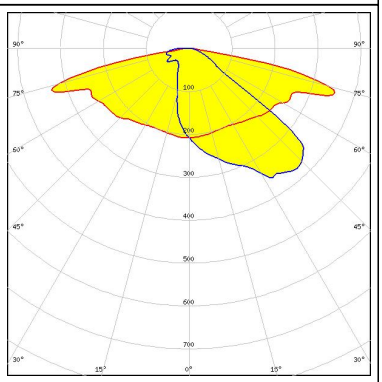
CREE

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



CREE

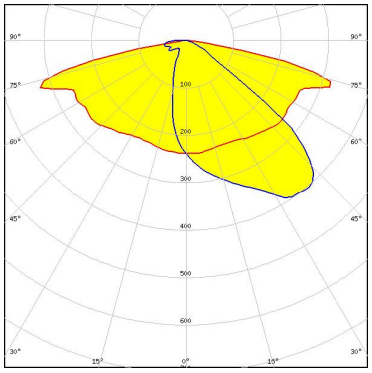
LED	XM-L
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.700 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

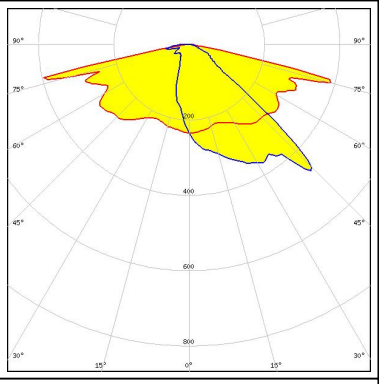
CREE

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



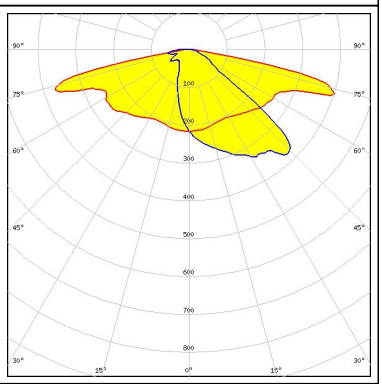
CREE

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



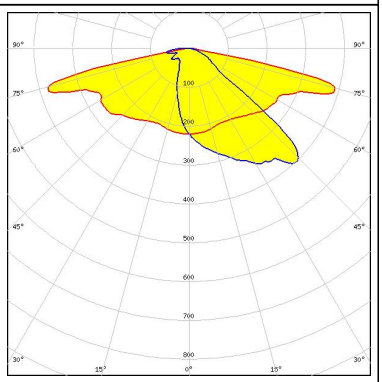
CREE

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



CREE

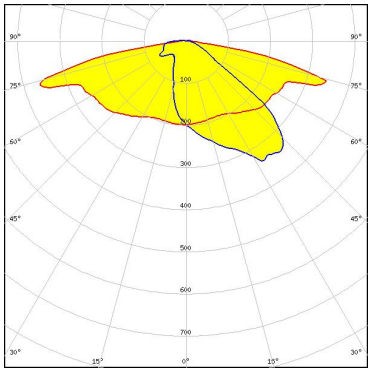
LED	XP-G2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

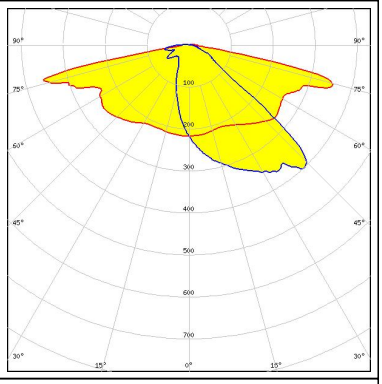
CREE

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



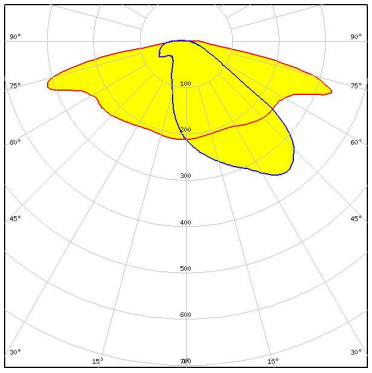
CREE

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



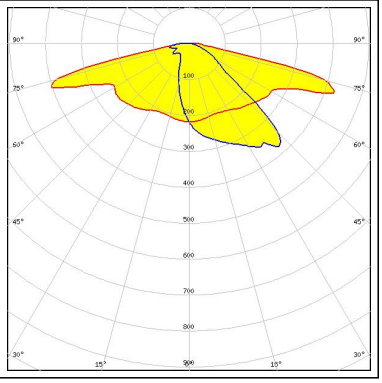
CREE

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



CREE

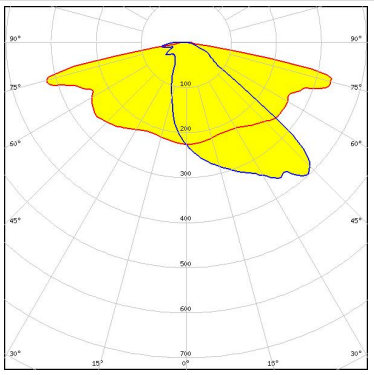
LED	XT-E
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

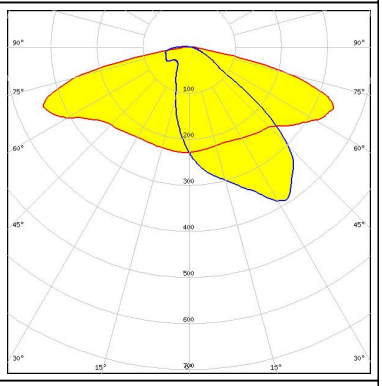
LG Innotek

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



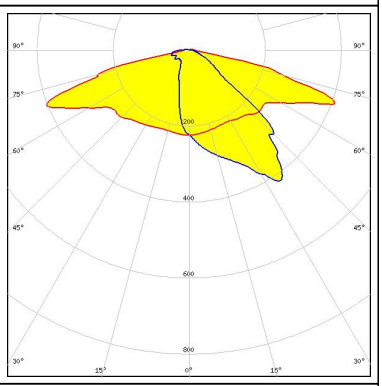
LUMILEDS

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



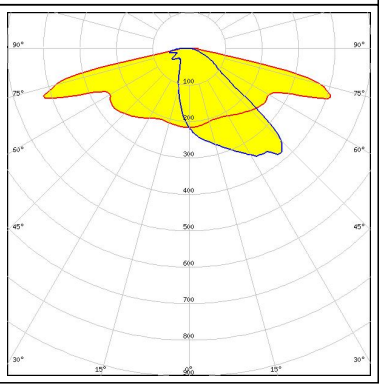
LUMILEDS

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



LUMILEDS

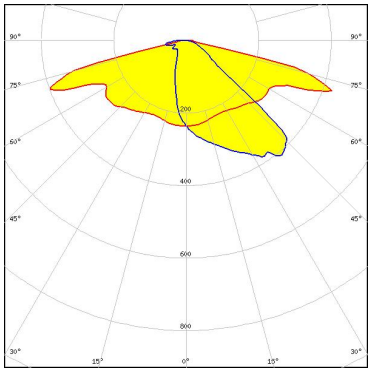
LED	LUXEON Q
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

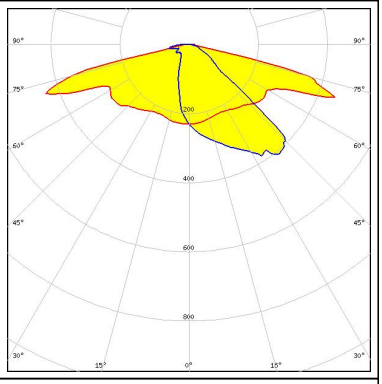
LUMILEDS

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



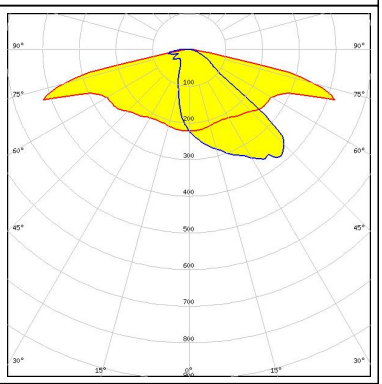
LUMILEDS

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



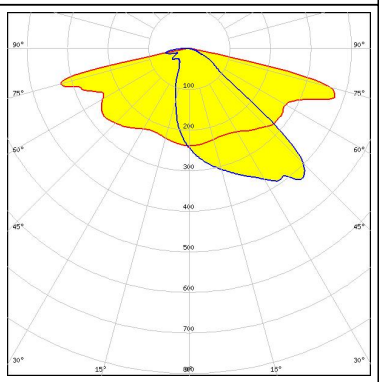
LUMILEDS

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



LUMILEDS

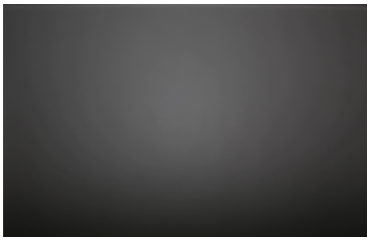
LED	LUXEON TX
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.960 cd/lm
Required components:	

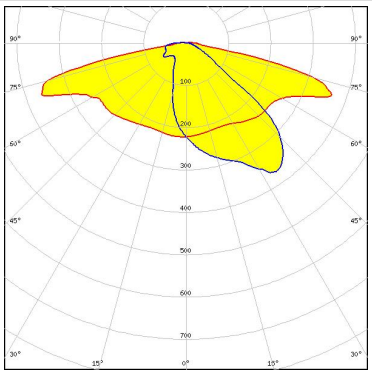


PHOTOMETRIC DATA (MEASURED):

LUMILEDS

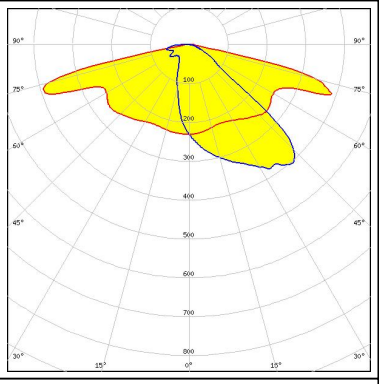
LED	LUXEON V
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.660 cd/lm
Required components:	





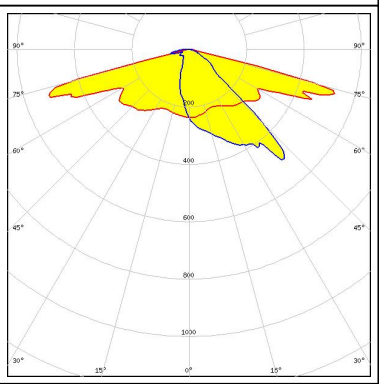
LUMILEDS

LED	LUXEON V2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.930 cd/lm
Required components:	



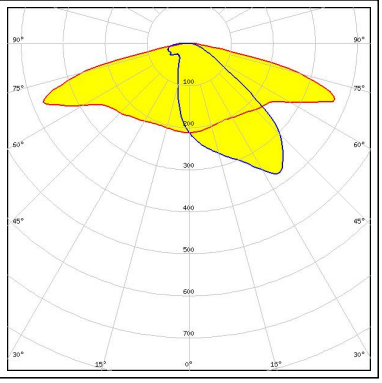
LUMILEDS

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



NICHIA

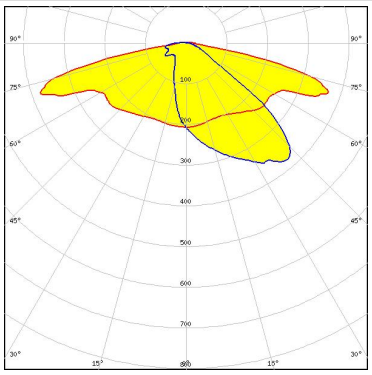
LED	NS9x383
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.600 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

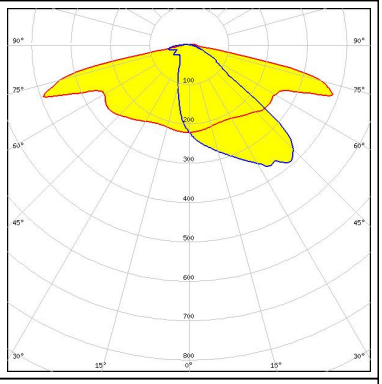
NICHIA

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



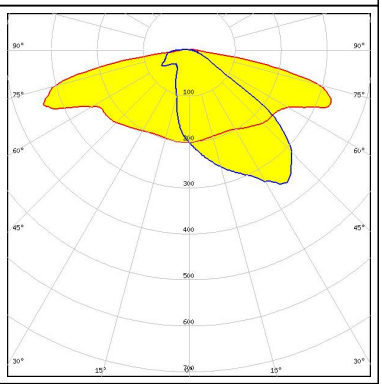
NICHIA

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



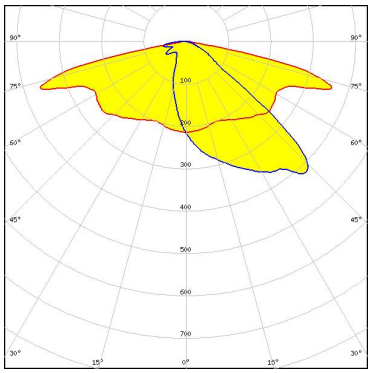
NICHIA

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



OSRAM

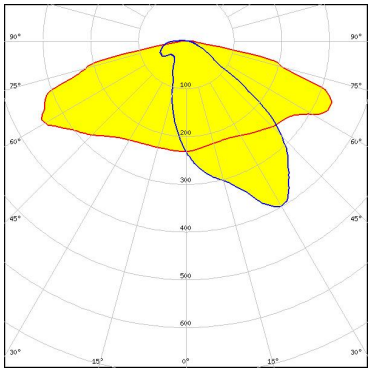
LED	PrevaLED Brick DC 2x8
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.980 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

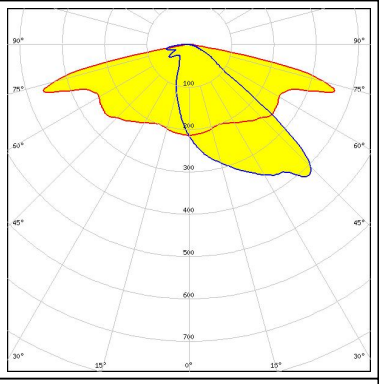
OSRAM
Opto Semiconductors

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



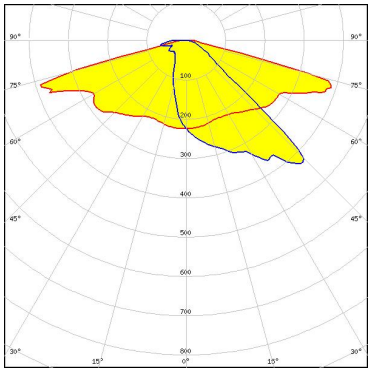
OSRAM
Opto Semiconductors

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



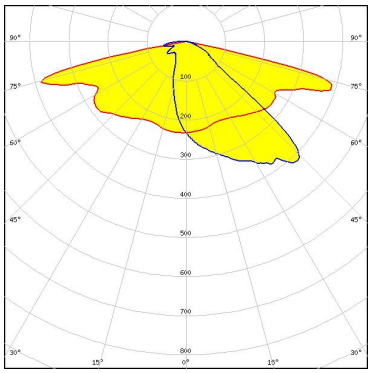
OSRAM
Opto Semiconductors

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



PHILIPS

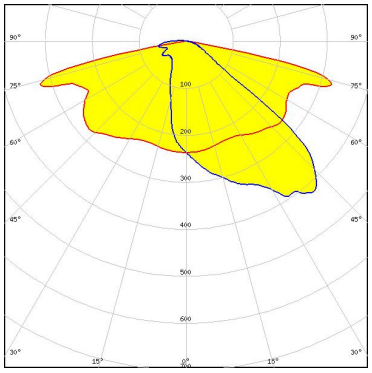
LED	Fortimo FastFlex LED 2x8 DA G4
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

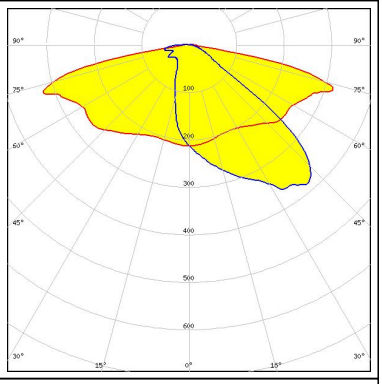
SAMSUNG

LED	HiLOM RH16 (LH351C)
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm
Required components:	



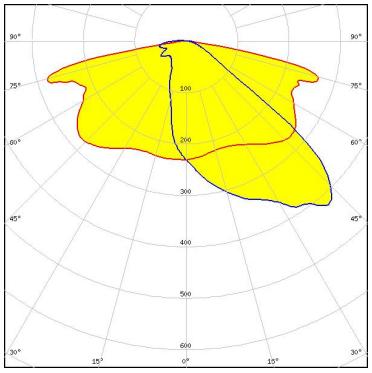
SAMSUNG

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



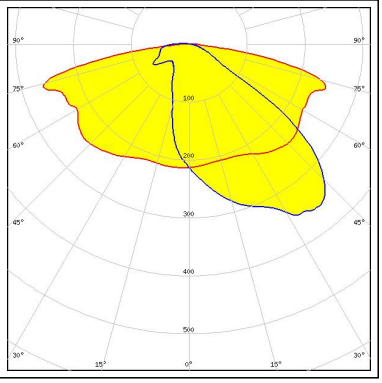
SAMSUNG

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



SAMSUNG

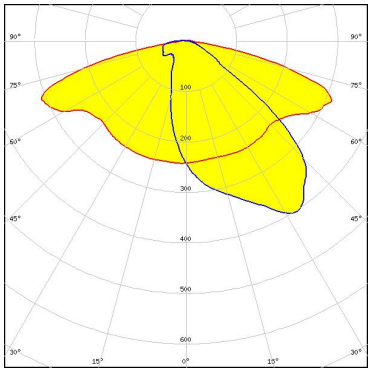
LED	LH351D
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.590 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

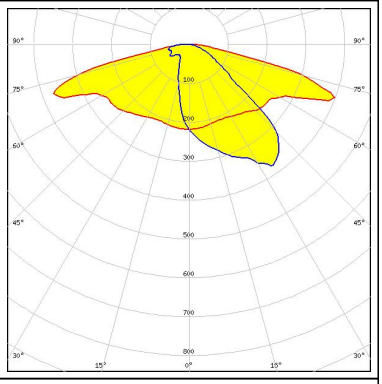
SAMSUNG

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



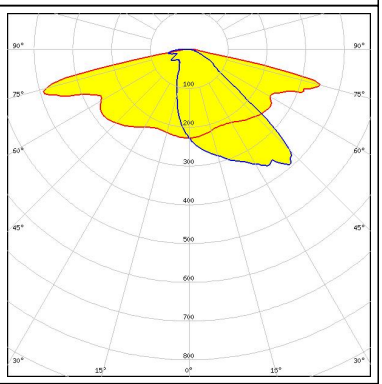
SEOUL SEMICONDUCTOR

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



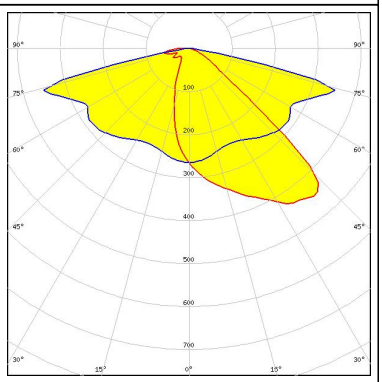
SEOUL SEMICONDUCTOR

LED	Z5M
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
Required components:	



SEOUL SEMICONDUCTOR

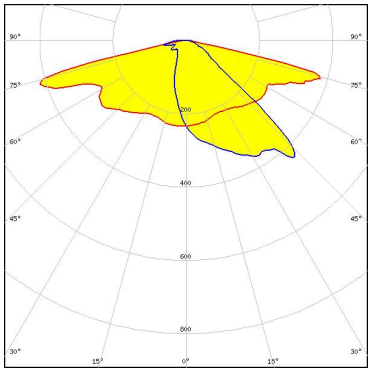
LED	Z5M1/Z5M2
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.800 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

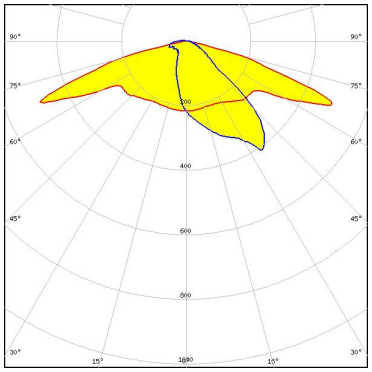
SEOUL SEMICONDUCTOR

LED	Z5P
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.000 cd/lm
Required components:	



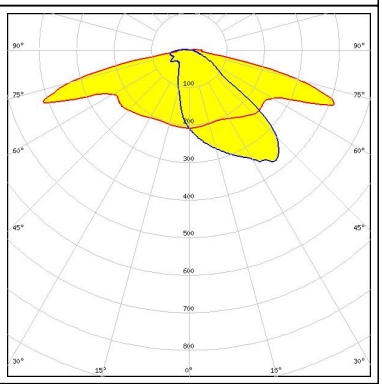
SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.990 cd/lm
Required components:	



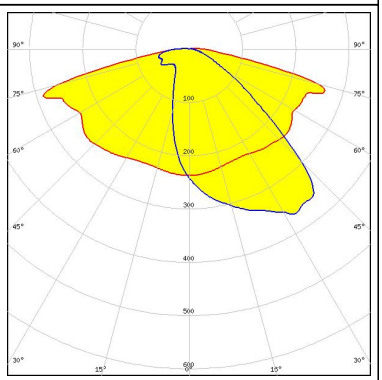
SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.840 cd/lm
Required components:	



TOSHIBA
Leading Innovation

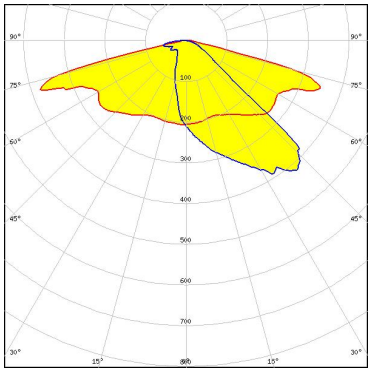
LED	TL1L3
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	0.680 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

TOSHIBA
Leading Innovation

LED	TL1L4
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	0.880 cd/lm
Required components:	

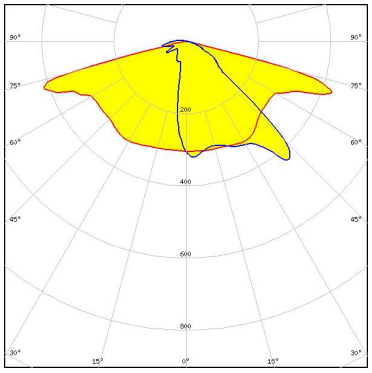


TRIDONIC

LED	RLE 2x4 2000lm HP EXC2 OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	

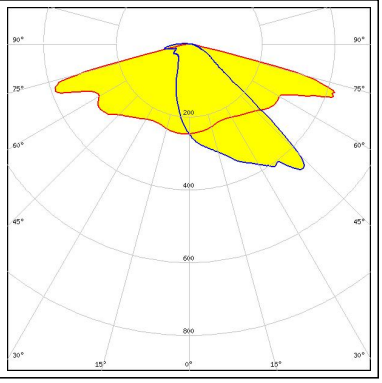
TRIDONIC

LED	RLE 2x8 4000lm HP EXC2 OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	



TRIDONIC

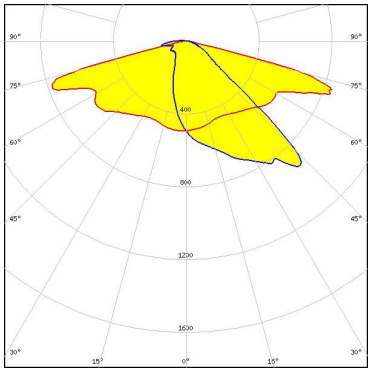
LED	RLE G1 49x121mm 2000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	



PHOTOMETRIC DATA (MEASURED):

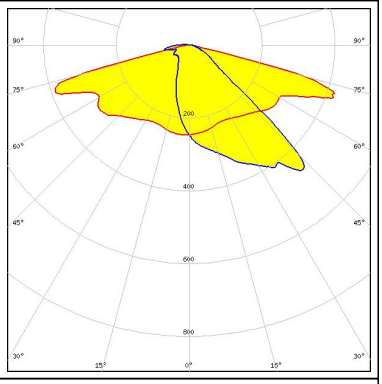
TRIDONIC

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



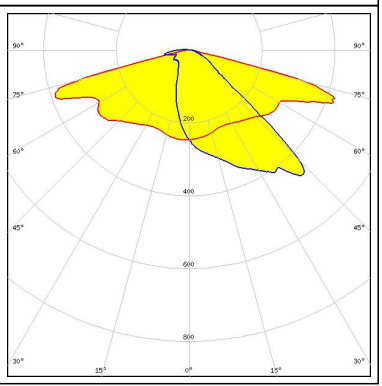
TRIDONIC

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



TRIDONIC

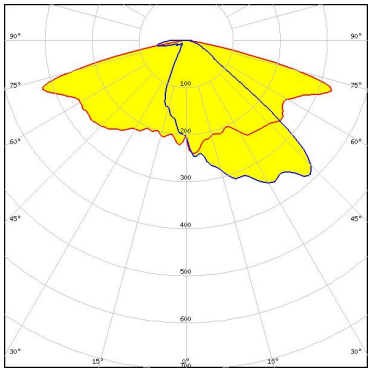
LED	RLE G1 49x245mm 4000lm xxx EXC OTD
FWHM	Asymmetric
Efficiency	94 %
Peak intensity	1.100 cd/lm
Required components:	



PHOTOMETRIC DATA (SIMULATED):

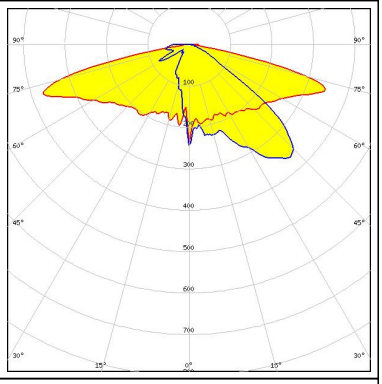
CREE

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



CREE

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

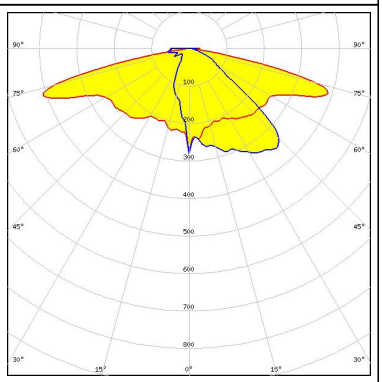


CREE

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

CREE

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

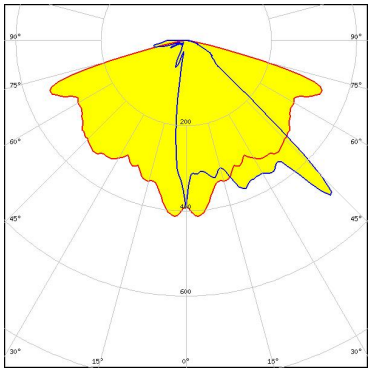


PHOTOMETRIC DATA (SIMULATED):

CREE

LED	XQ-E HD
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	cd/lm

Required components:

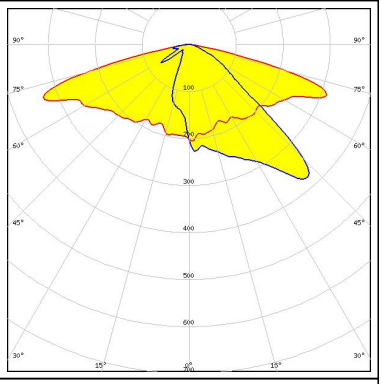


CREE

LED	XT-E
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.630 cd/lm

Required components:

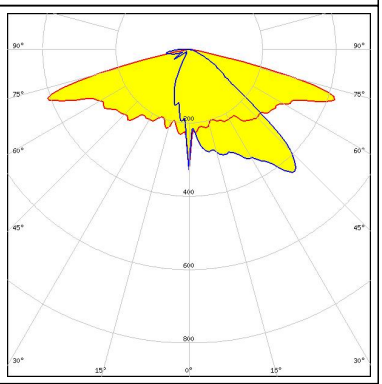
Undefined Manufacturer: Protective Plate, Glass



LUMILEDS

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

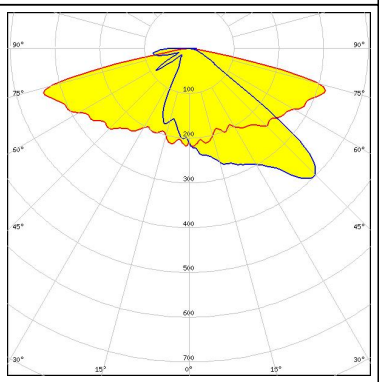
Required components:



NICHIA

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

Required components:



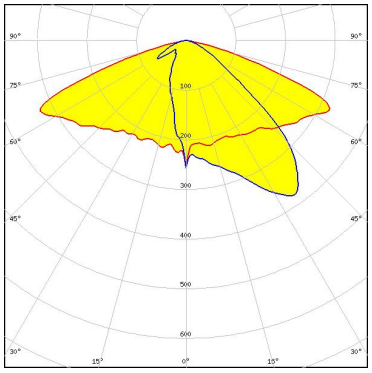
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

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

Required components:

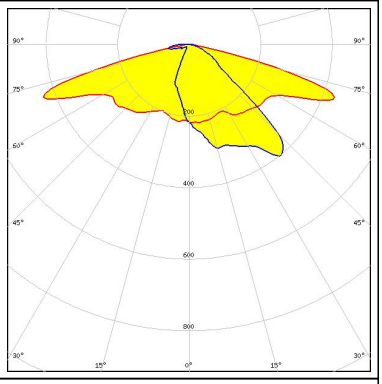
Undefined Manufacturer: Protective Plate, Glass



OSRAM
Opto Semiconductors

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

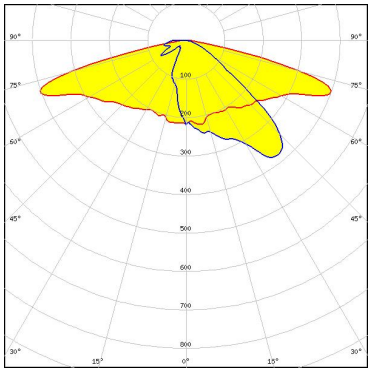
Required components:



OSRAM
Opto Semiconductors

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

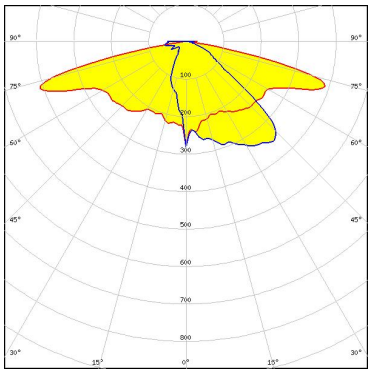
Required components:



PHILIPS

LED	Fortimo FastFlex LED 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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