TINA2-O

~35° 15° oval beam optimized for CREE XP-E. Assembly with holder and installation tape.



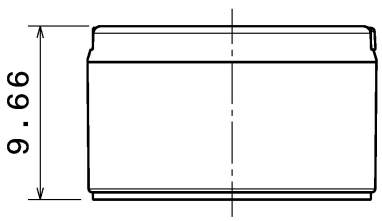
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.3 kg
Quantity in Box	4140 pcs
ROHS compliant	yes

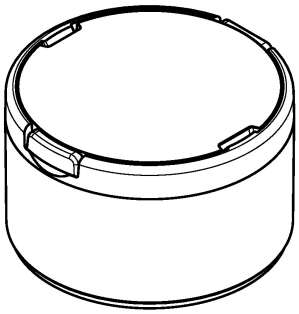
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-O	Lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black

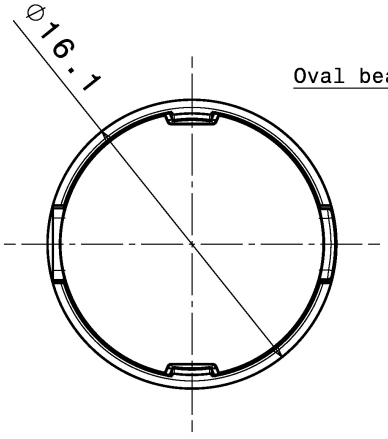
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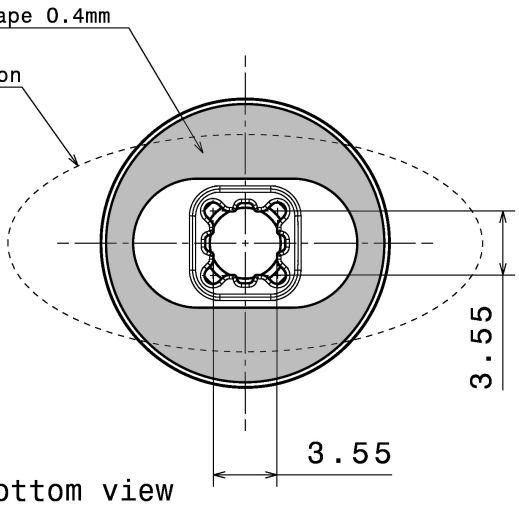
Front view



Isometric view
Scale: 3:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black
2	C11050	TINA2-XP-O	PMMA	

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
CA11052_TINA2-O

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SIZE A4

PART NUMBER
CA11052

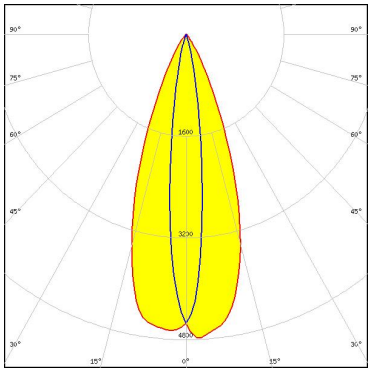
SCALE 3:1 | WEIGHT 1,3 g | SHEET 1/1

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PHOTOMETRIC DATA (MEASURED):

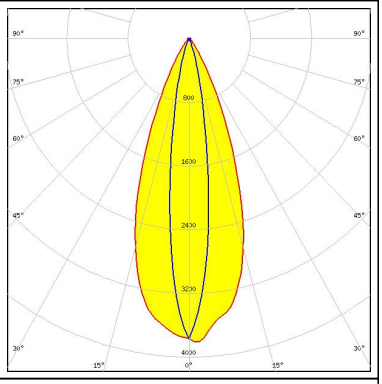
CREE

LED	XP-E
FWHM	32.0 + 14.0°
Efficiency	87 %
Peak intensity	4.400 cd/lm
Required components:	



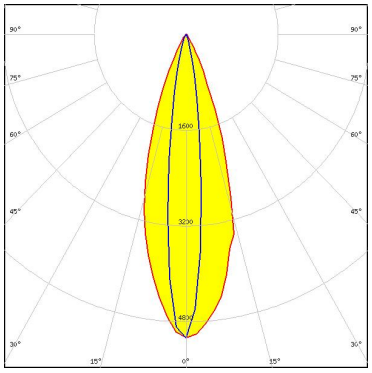
CREE

LED	XP-E-HEW
FWHM	34.0 + 16.0°
Efficiency	%
Peak intensity	3.360 cd/lm
Required components:	



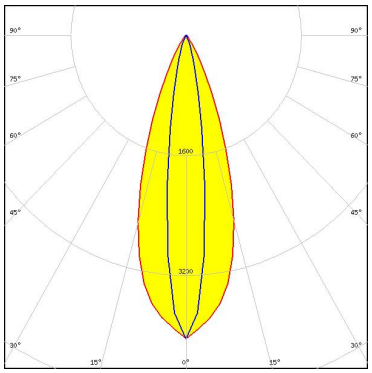
CREE

LED	XP-E2
FWHM	34.0 + 14.0°
Efficiency	86 %
Peak intensity	5.100 cd/lm
Required components:	



CREE

LED	XP-G
FWHM	35.0 + 16.0°
Efficiency	87 %
Peak intensity	3.900 cd/lm
Required components:	

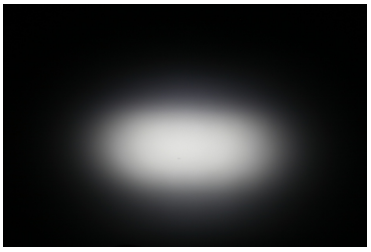


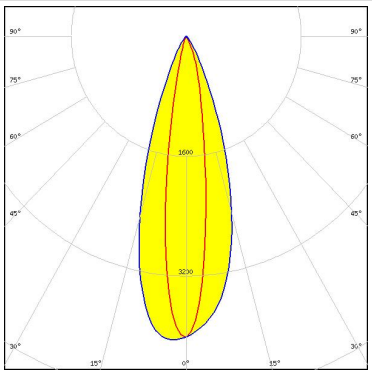
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PHOTOMETRIC DATA (MEASURED):

CREE

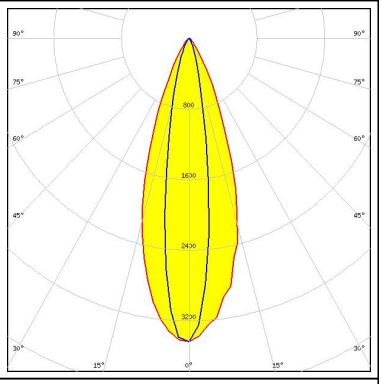
LED	XP-G2
FWHM	34.0 + 16.0°
Efficiency	87 %
Peak intensity	4.000 cd/lm
Required components:	





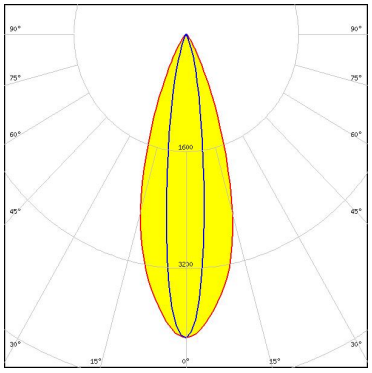
CREE

LED	XT-E
FWHM	35.0 + 16.0°
Efficiency	85 %
Peak intensity	3.800 cd/lm
Required components:	



LG Innotek

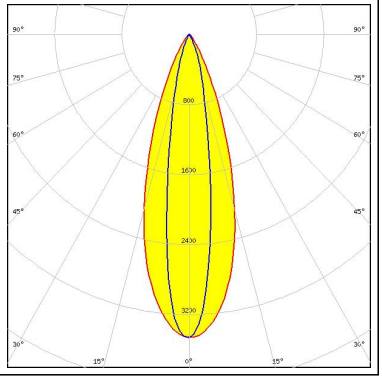
LED	H35B0 (LEMWA32)
FWHM	35.0 + 15.0°
Efficiency	86 %
Peak intensity	4.200 cd/lm
Required components:	



LG Innotek

LED	H35C0 (LEMWA33)
FWHM	33.0 + 17.0°
Efficiency	86 %
Peak intensity	3.500 cd/lm
Required components:	





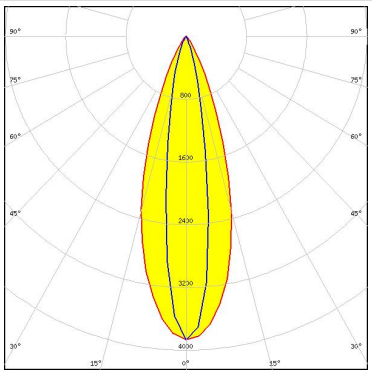
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PHOTOMETRIC DATA (MEASURED):

LG Innotek

LED	H35C1 (LEMWA33)
FWHM	35.0 + 17.0°
Efficiency	85 %
Peak intensity	3.900 cd/lm
Required components:	

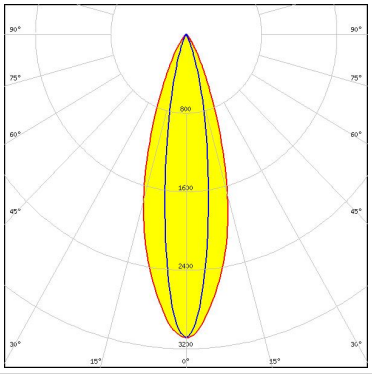




SAMSUNG

LED	LH181A
FWHM	33.0 + 17.0°
Efficiency	72 %
Peak intensity	3.100 cd/lm
Required components:	





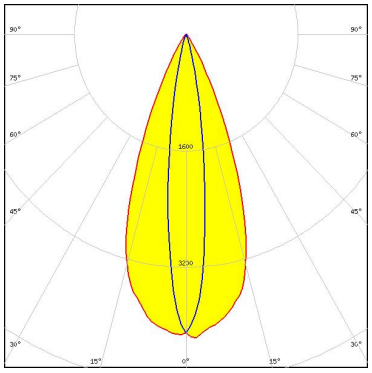
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PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5
FWHM	41.0 + 15.0°
Efficiency	90 %
Peak intensity	4.200 cd/lm

Required components:



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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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