IDA16-M

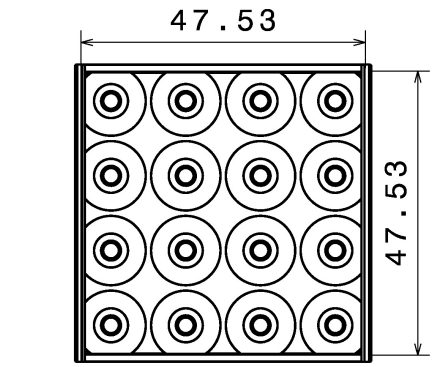
~40° medium beam

TECHNICAL SPECIFICATIONS:

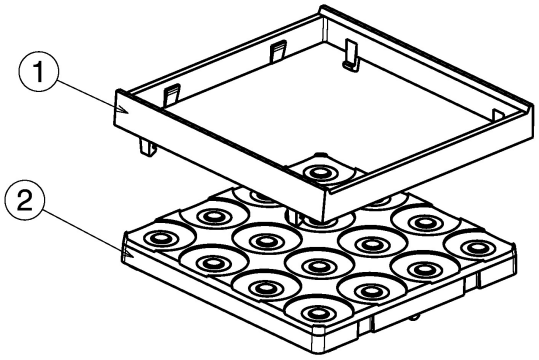
Dimensions	49.3 x 49.5 mm
Height	6 mm
Fastening	clips
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8.1 kg
Quantity in Box	756 pcs
ROHS compliant	yes

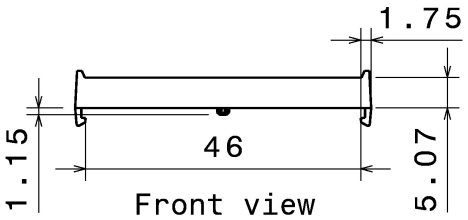
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
IDA16-M	Multi-lens	PMMA	clear
IDA16-HLD-16	Holder	PC	black

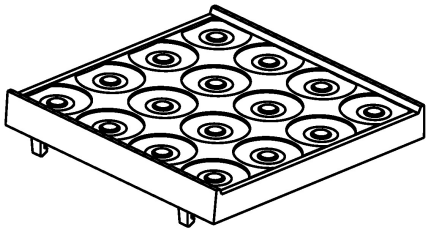


Top view

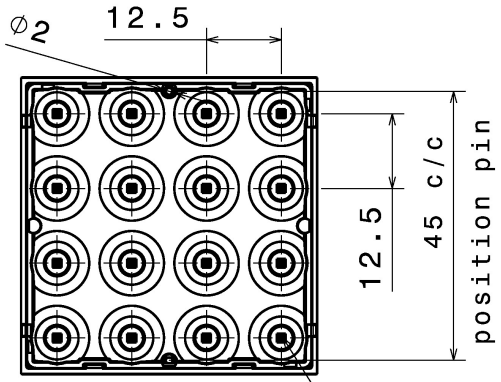




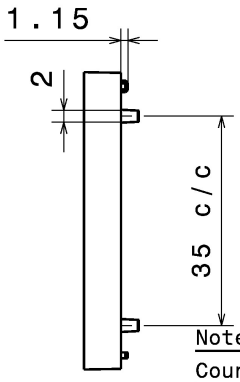
Front view



Isometric view
Scale: 1:1



Bottom view



Note:
Countersunk screws required
for PCB attachment.

LED position

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14537	IDA16-M	PMMA	Clear
2	C14538	IDA16-HLD-16	PC	black

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
CP14612_IDA16-M

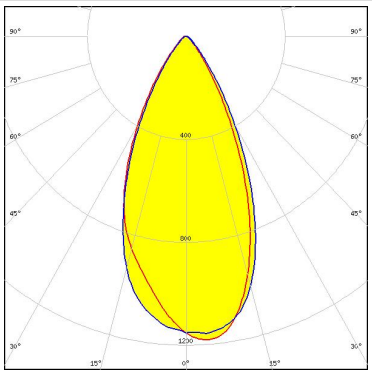
SIZE A4 | PART NUMBER CP14612

SCALE 1:1 | WEIGHT 7,2 g | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

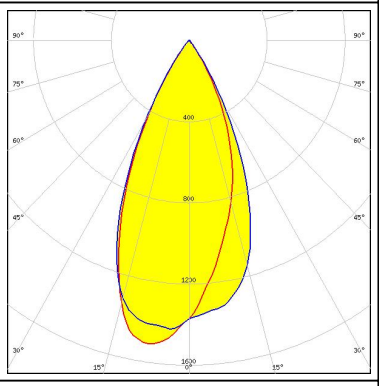
LG Innotek

LED	LG 3030
FWHM	49.0°
Efficiency	87 %
Peak intensity	1.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



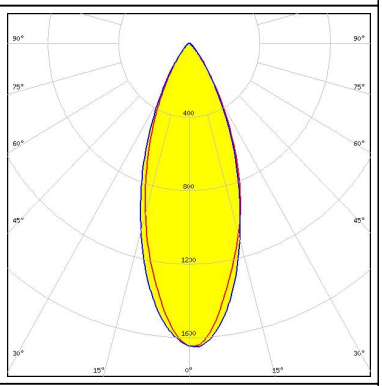
NICHIA

LED	NF2x757G
FWHM	49.0°
Efficiency	91 %
Peak intensity	1.250 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



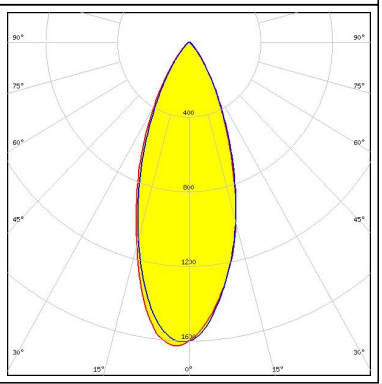
OSRAM
Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM	38.0°
Efficiency	88 %
Peak intensity	1.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM231 A/B
FWHM	39.0°
Efficiency	89 %
Peak intensity	1.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



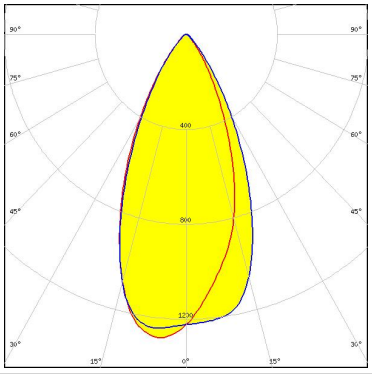
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LM301A
FWHM	41.0°
Efficiency	87 %
Peak intensity	1.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM	46.0°
Efficiency	88 %
Peak intensity	1.300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

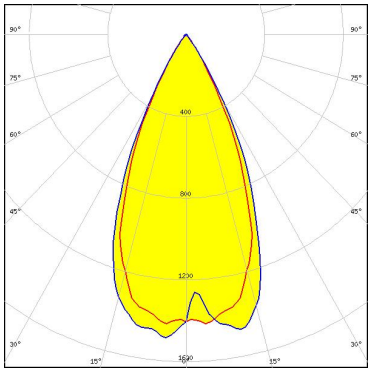


PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM	40.0°
Efficiency	92 %
Peak intensity	1.510 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

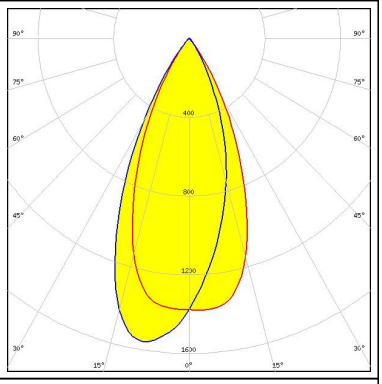


OSRAM
Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM	42.0°
Efficiency	86 %
Peak intensity	1.560 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

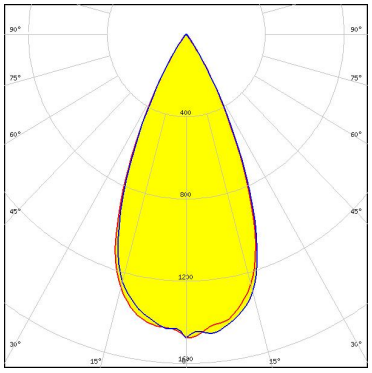
Transparent protective cover



SAMSUNG

LED	LH181B
FWHM	47.0°
Efficiency	91 %
Peak intensity	1.500 cd/lm
LEDs/each optic	1
Light colour	White

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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