

IDA16-M

~40° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions	49.3 x 49.5 mm
Height	6 mm
Fastening	clips
ROHS compliant	yes ⓘ

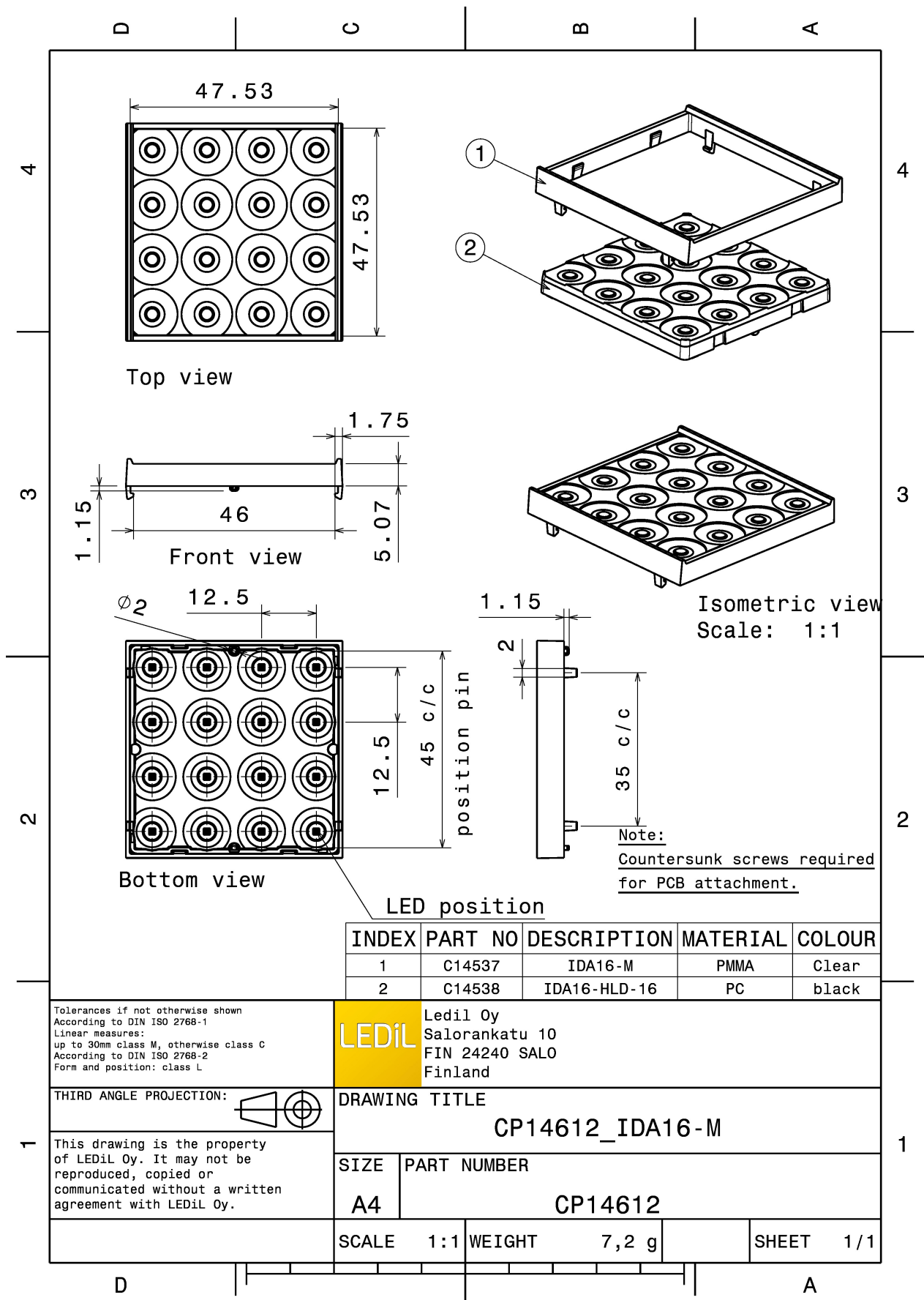
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP14612_IDA16-M » Box size: 480 x 280 x 300 mm	Multi-lens	756	28	28	8.1



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 LediL Oy
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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CP14612_IDA16-M

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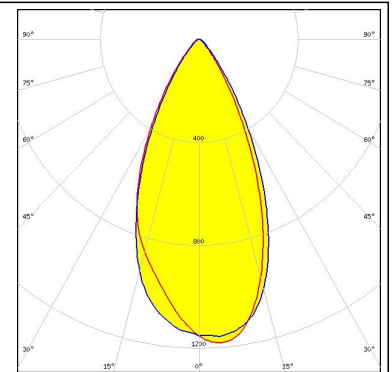
SIZE	PART NUMBER
A4	CP14612

SCALE	1:1	WEIGHT	7,2 g	SHEET	1/1
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PHOTOMETRIC DATA (MEASURED):

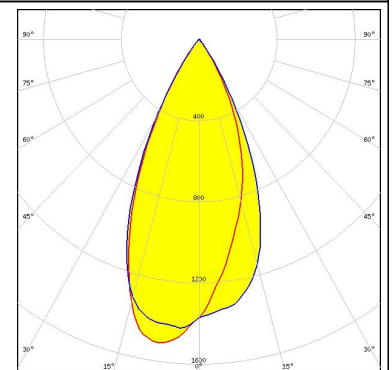
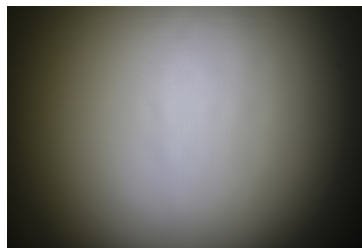
LG Innotek

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



NICHIA

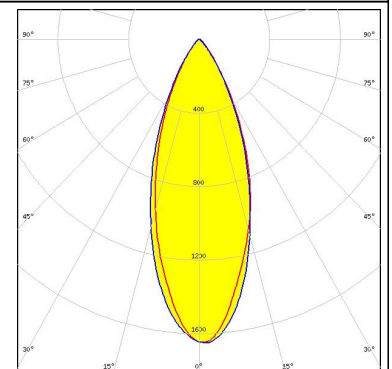
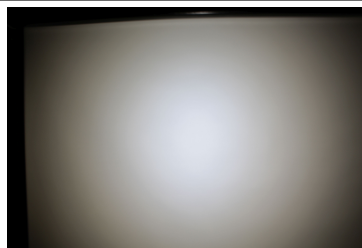
LED NF2x757G
 FWHM 49.0°
 Efficiency 91 %
 Peak intensity 1.250 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

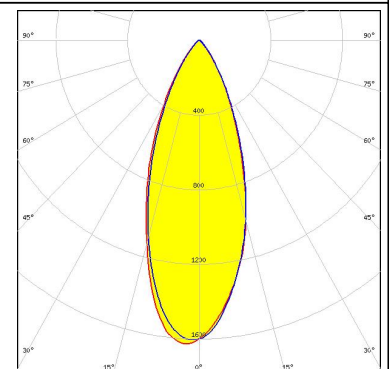
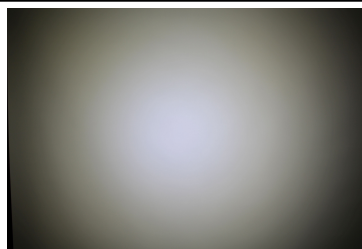
Opto Semiconductors

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:



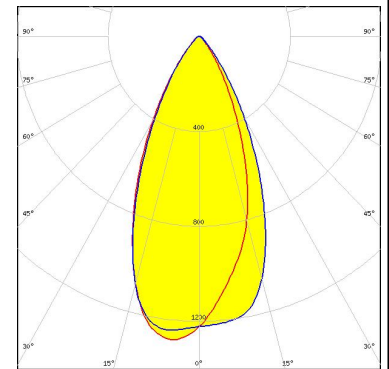
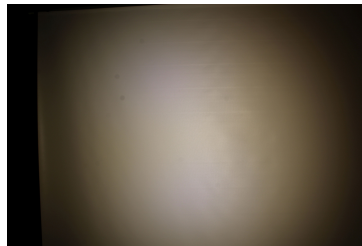
PHOTOMETRIC DATA (MEASURED):

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:

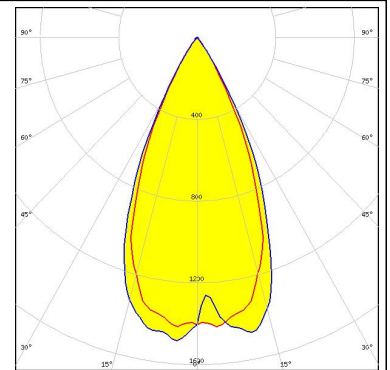


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

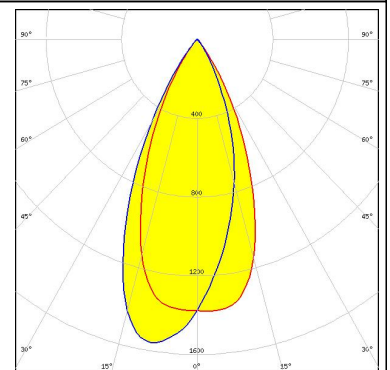
LED Duris S5 (2 chip)
FWHM 40.0°
Efficiency 92 %
Peak intensity 1.510 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

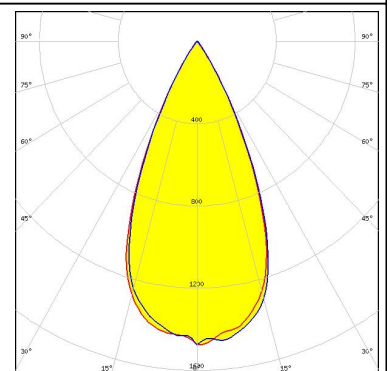
LED Duris S5 (Single chip)
FWHM 42.0°
Efficiency 86 %
Peak intensity 1.560 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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