

## IDA16-M

~40° medium beam

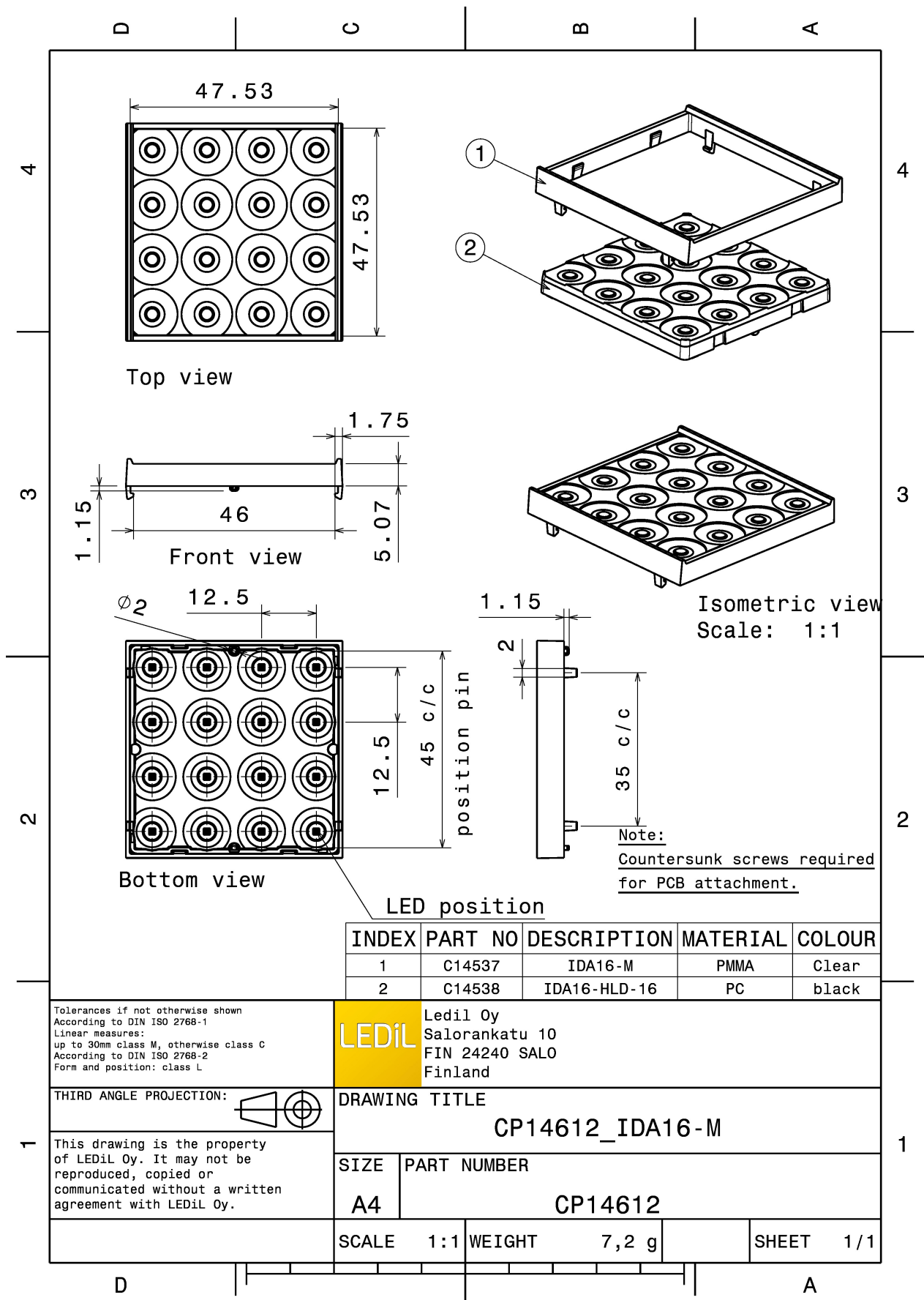
### TECHNICAL SPECIFICATIONS:

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-HLD-16	Holder	PC	black
IDA16-M	Lens array	PMMA	clear



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  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

**DRAWING TITLE**  
CP14612\_IDA16-M

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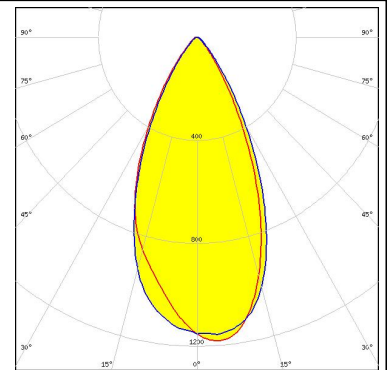
SIZE	PART NUMBER
A4	CP14612

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

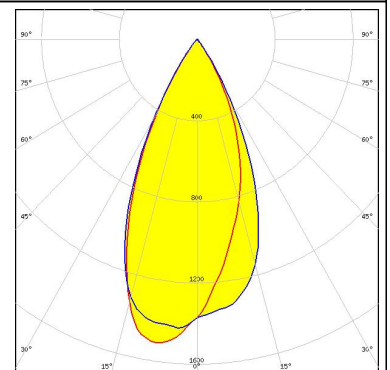
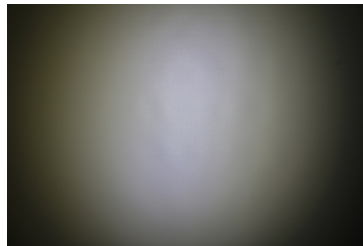
#### **LG Innotek**

LED LG 3030  
FWHM 49.0°  
Efficiency 87 %  
Peak intensity 1.200 cd/lm  
Required components:



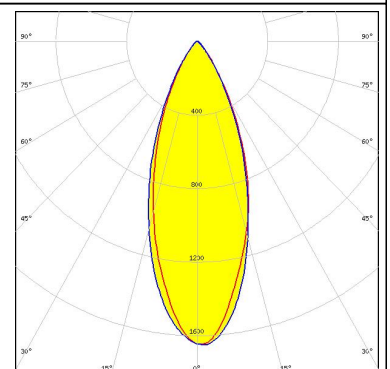
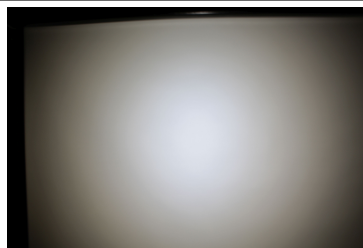
#### **NICHIA**

LED NF2x757G  
FWHM 49.0°  
Efficiency 91 %  
Peak intensity 1.250 cd/lm  
Required components:



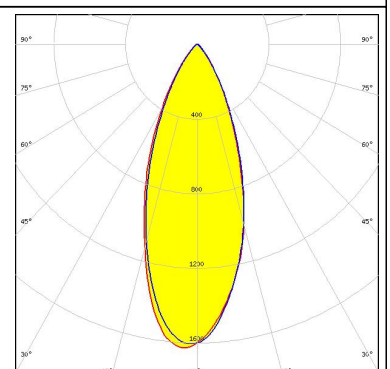
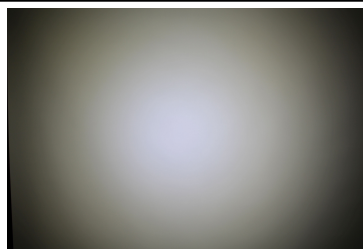
#### **OSRAM** Opto Semiconductors

LED Duris S5 (Single chip)  
FWHM 38.0°  
Efficiency 88 %  
Peak intensity 1.700 cd/lm  
Required components:



#### **SAMSUNG**

LED LM231 A/B  
FWHM 39.0°  
Efficiency 89 %  
Peak intensity 1.600 cd/lm  
Required components:



## PHOTOMETRIC DATA (MEASURED):

### **SAMSUNG**

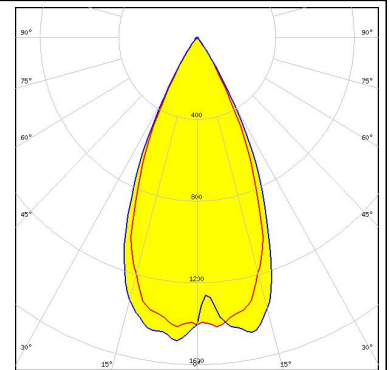
LED LM301A  
FWHM 41.0°  
Efficiency 87 %  
Peak intensity 1.600 cd/lm  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

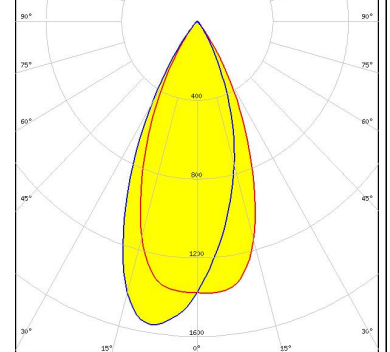
**OSRAM**  
Opto Semiconductors

LED Duris S5 (2 chip)  
FWHM 40.0°  
Efficiency 92 %  
Peak intensity 1.510 cd/lm  
Required components:



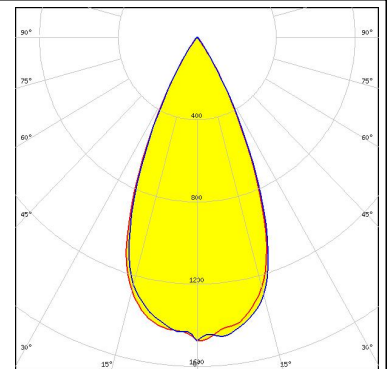
**OSRAM**  
Opto Semiconductors

LED Duris S5 (Single chip)  
FWHM 42.0°  
Efficiency 86 %  
Peak intensity 1.560 cd/lm  
Required components:  
Undefined Manufacturer: Protective Plate, Glass



**SAMSUNG**

LED LH181B  
FWHM 47.0°  
Efficiency 91 %  
Peak intensity 1.500 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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