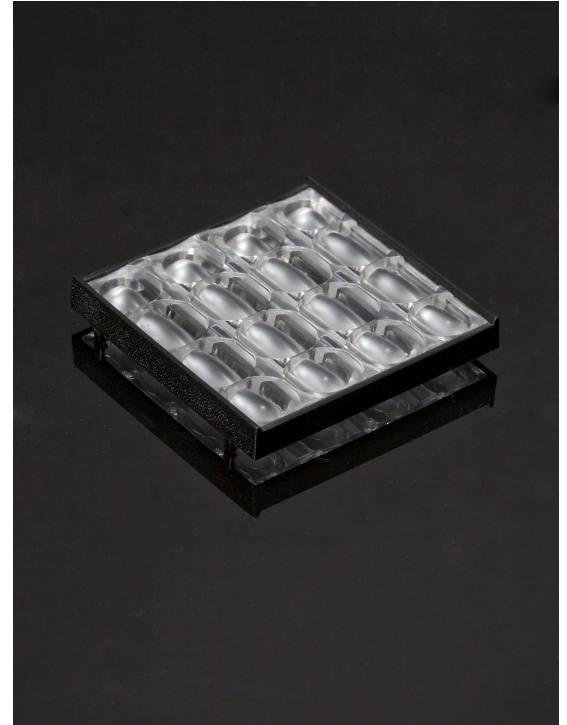


## IDA16-O

~90° + 35° oval beam

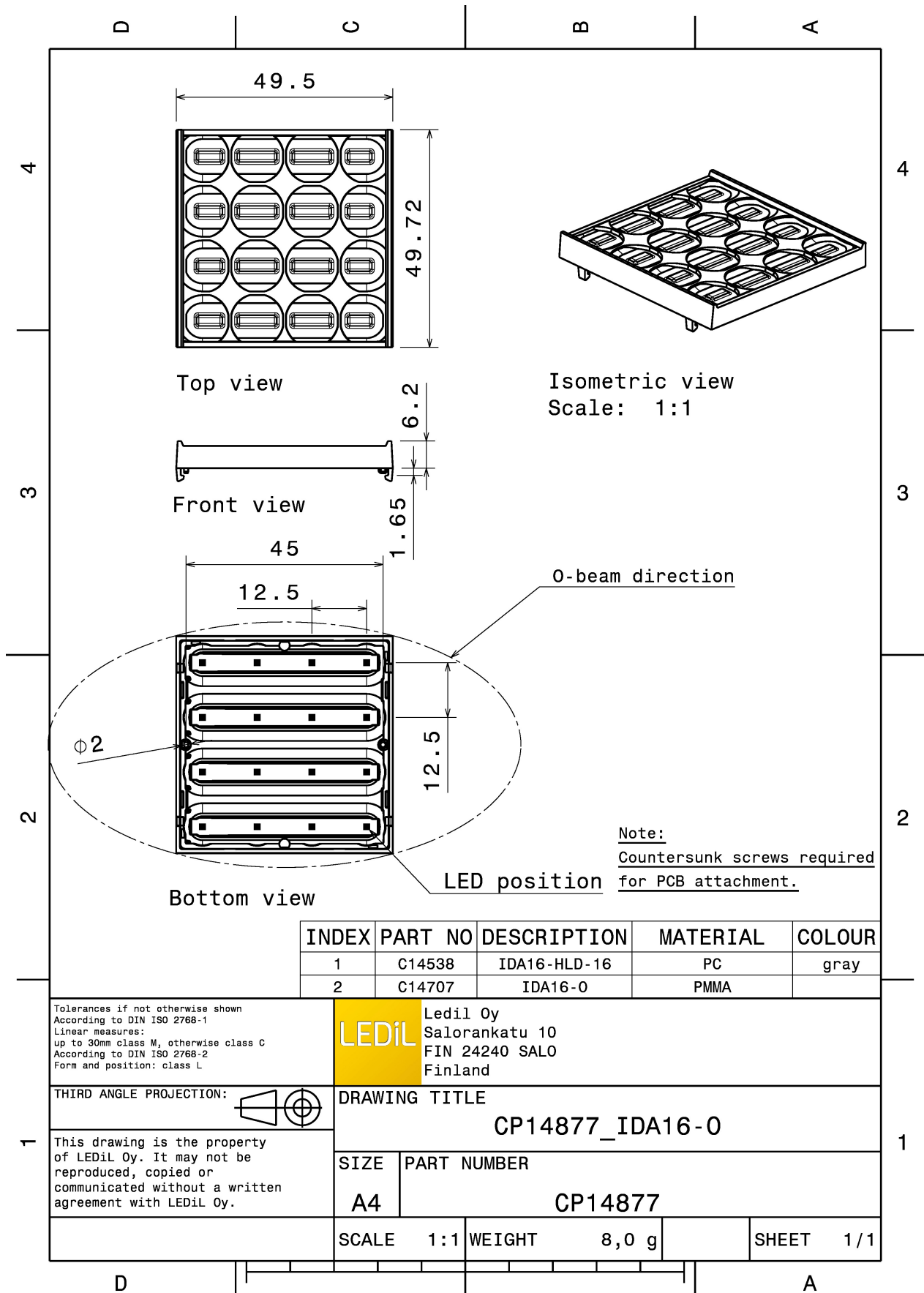
### TECHNICAL SPECIFICATIONS:

Dimensions	49.7 x 49.5 mm
Height	6.2 mm
Fastening	clips
Colour	black
Box size	480 x 280 x 300 mm
Box weight	8.8 kg
Quantity in Box	756 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

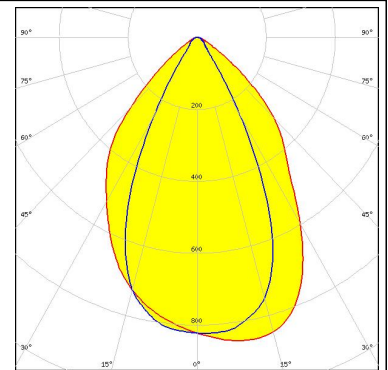
Component	Type	Material	Colour
IDA16-O	Multi-lens	PMMA	clear
IDA16-HLD-16	Holder	PC	black



#### PHOTOMETRIC DATA (MEASURED):

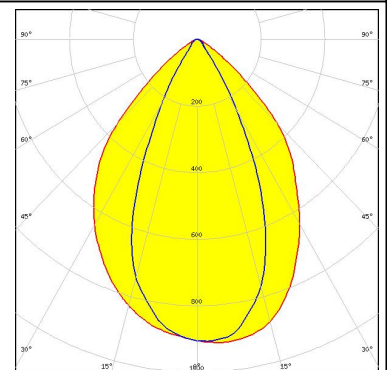
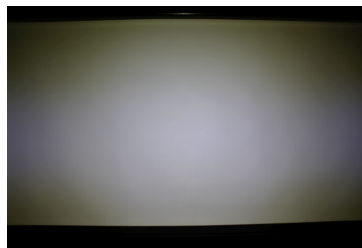
##### LG Innotek

LED LG 3030  
 FWHM 75.0 + 52.0°  
 Efficiency 89 %  
 Peak intensity 0.860 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### NICHIA

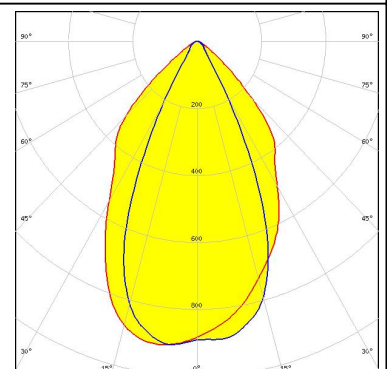
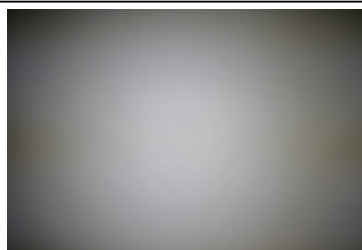
LED NFSx757G  
 FWHM 81.0 + 48.0°  
 Efficiency 89 %  
 Peak intensity 0.920 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

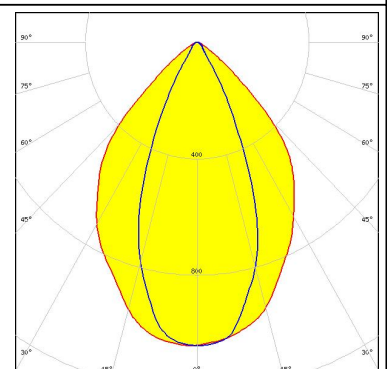
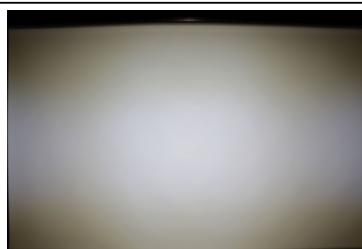
LED Duris S5 (2 chip)  
 FWHM 67.0 + 49.0°  
 Efficiency 87 %  
 Peak intensity 0.930 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

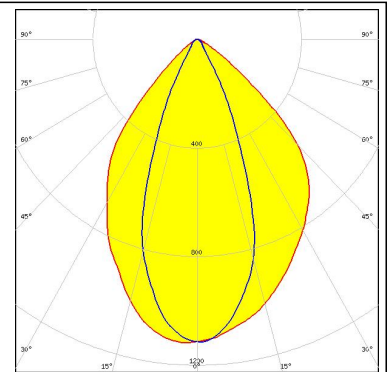
LED Duris S5 (Single chip)  
 FWHM 80.0 + 44.0°  
 Efficiency 89 %  
 Peak intensity 1.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



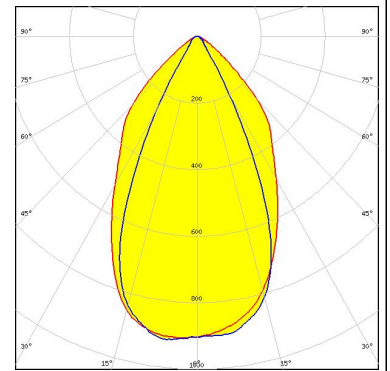
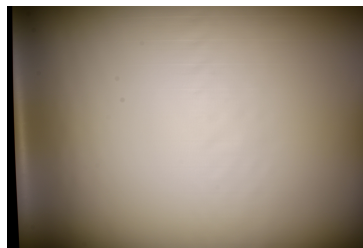
### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

LED LM231 A/B  
FWHM 81.0 + 40.0°  
Efficiency 89 %  
Peak intensity 1.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



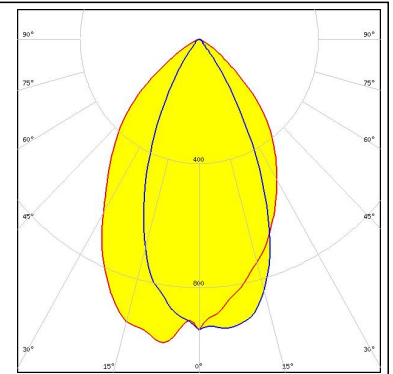
LED SEOUL 3030  
FWHM 65.0 + 50.0°  
Efficiency 89 %  
Peak intensity 0.920 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED NF2x757D  
FWHM 69.0 + 47.0°  
Efficiency 90 %  
Peak intensity 0.990 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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