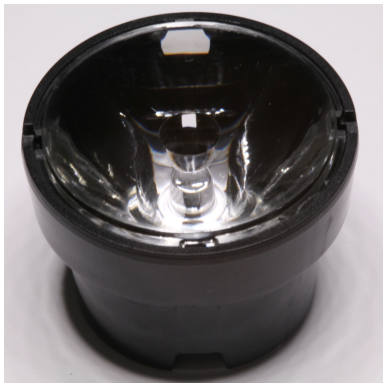
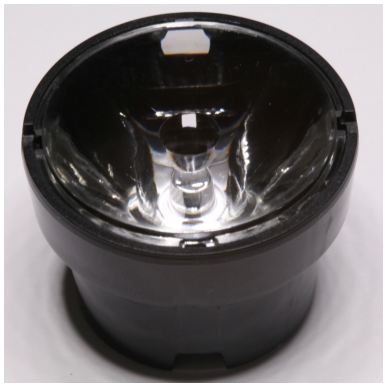
PRODUCT DATASHEET
IRIS-XP series



Ordering number	**C4F12076**
Description	**C4F12076_Iris-XP-screw**

Family	Iris	FWHM	4 degrees
Type	Lens	Efficiency	-
LED	XP-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	38 mm		
Height	28.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, pin, screw		
Status	Ready		



Ordering number	**C4F12077**
Description	**C4F12077_Iris-XP-tape**

Family	Iris	FWHM	4 degrees
Type	Lens	Efficiency	-
LED	XP-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	38 mm		
Height	28.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue, pin, screw		
Status	Ready		

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

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GENERAL INFORMATION

- Product series especially designed & optimized for XP-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance (105 degrees of Celcius / 220 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used material from below:
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94_Yellow%20Card.pdf
http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the glue.

NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

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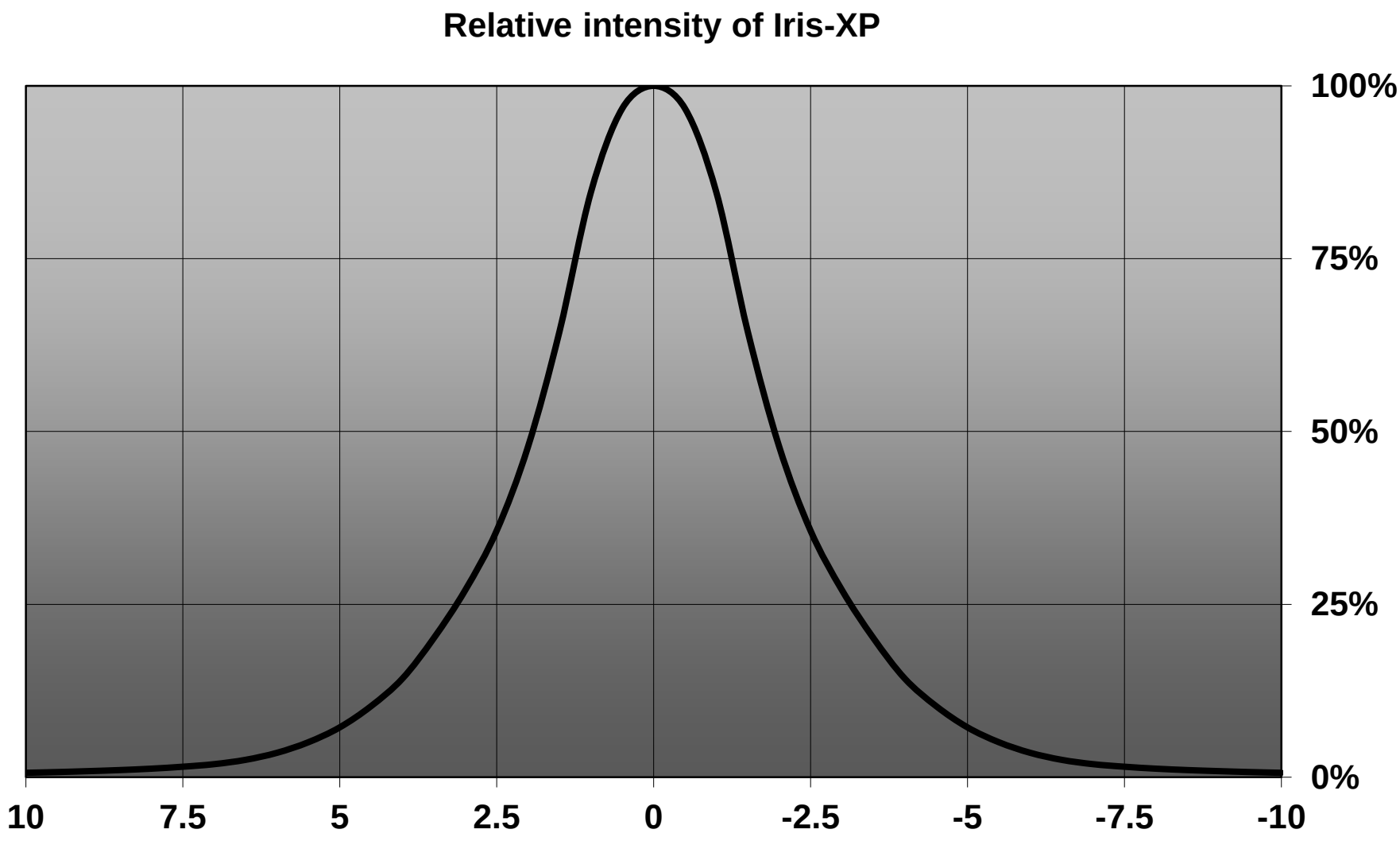
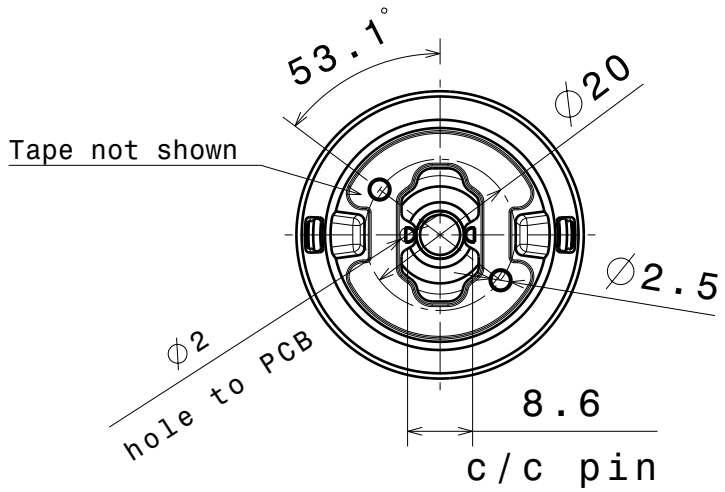
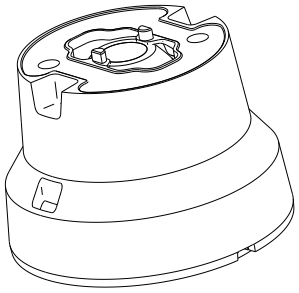
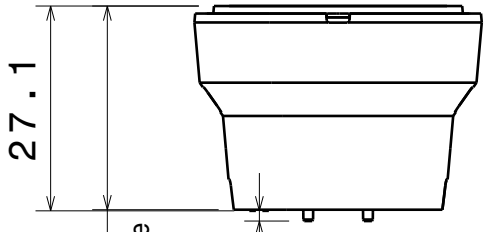

Relative intensity of Iris-XP
100%
75%
50%
25%
0%
10
7.5
5
2.5
0
-2.5
-5
-7.5
-10

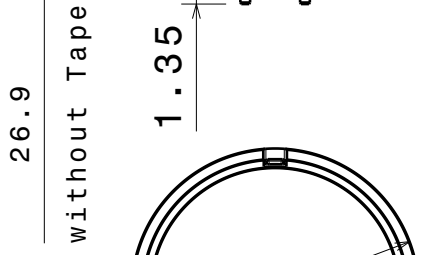


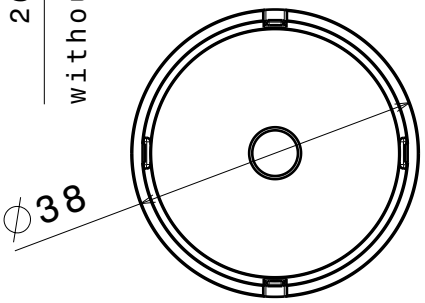
Bottom view





Front view





Top view

Materials:
Lens PMMA
Holder PC
Tape PU Foam

LEDIL

DRAWN BY: p	DATE: 13.04.2010	DRAWING TITLE: Datasheet Iris-XP-E-tape assy		
CHECKED BY: t k	DATE: 19.03.2010	SIZE: A4	DRAWING NUMBER: -	REV: 1
DESIGNED BY: ol	DATE: 19.03.2010	SCALE: 1:1	WEIGHT(g):	SHEET: 1/1