PRODUCT DATASHEET
Gt3 series
last update 23/11/2011

LUXEON®
BY PHILIPS LUMILEDS

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Ordering number   C10891_GT3-S

Family	Gt3	FWHM	16 degrees
Type	Lens	Efficiency	91 %
LED	LUXEON Rebel	cd/lm	-
Color	Transparent	Gerber File	Available
Diameter	35 mm		
Height	9 mm		
Style	Round	MR11 applications	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number   C10892_GT3-M

Family	Gt3	FWHM	28 degrees
Type	Lens	Efficiency	89 %
LED	LUXEON Rebel	cd/lm	-
Color	Transparent	Gerber File	Available
Diameter	35 mm		
Height	9 mm		
Style	Round	MR11 applications	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number   C10893_GT3-W

Family	Gt3	FWHM	38 degrees
Type	Lens	Efficiency	85 %
LED	LUXEON Rebel	cd/lm	-
Color	Transparent	Gerber File	Available
Diameter	35 mm		
Height	9 mm		
Style	Round	MR11 applications	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

Ordering number   C11624_GT3-WW

Family	Gt3	FWHM	46 degrees
Type	Lens	Efficiency	89 %
LED	LUXEON Rebel	cd/lm	-
Color	Transparent	Gerber File	Available
Diameter	35 mm		
Height	9 mm		
Style	Round	MR11 applications	
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, glue		
Status	Ready		

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Ledil Oy
Salorankatu 10
24240 SALO
Finland

http://www.ledil.com
email: ledil@ledil.com
FAX: +358-2-733 8001

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.

GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel 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

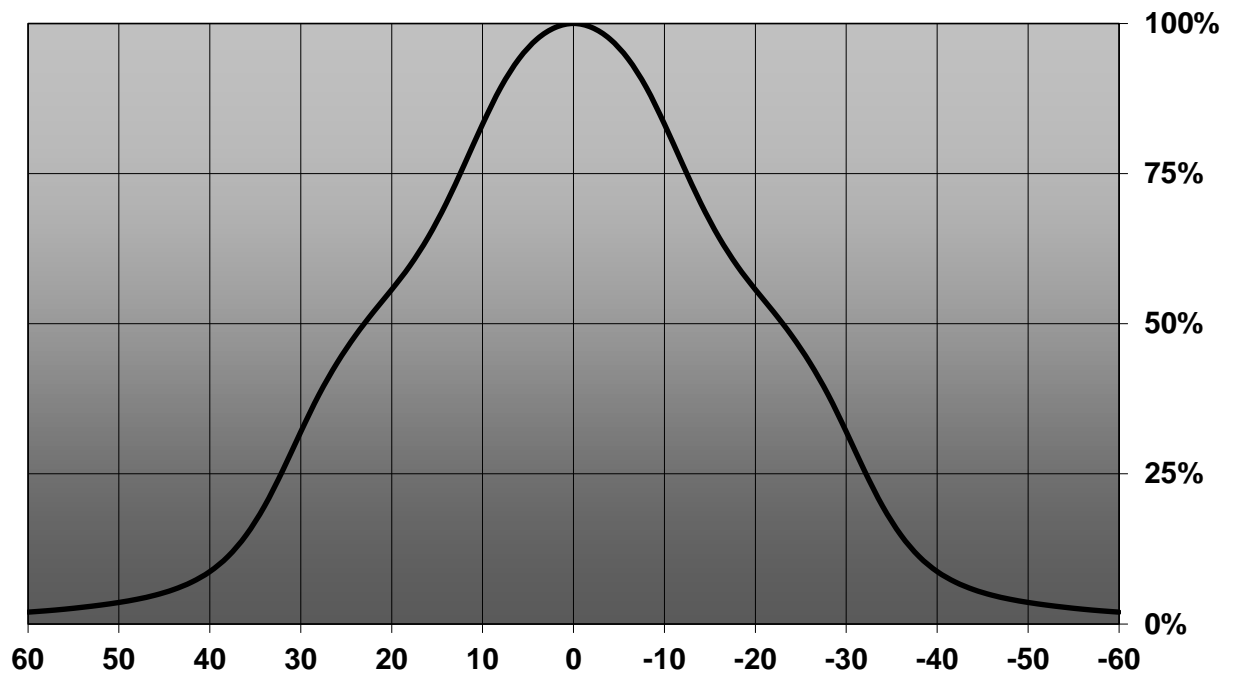- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.
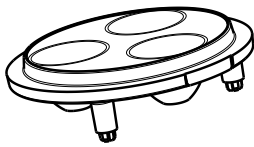http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

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.

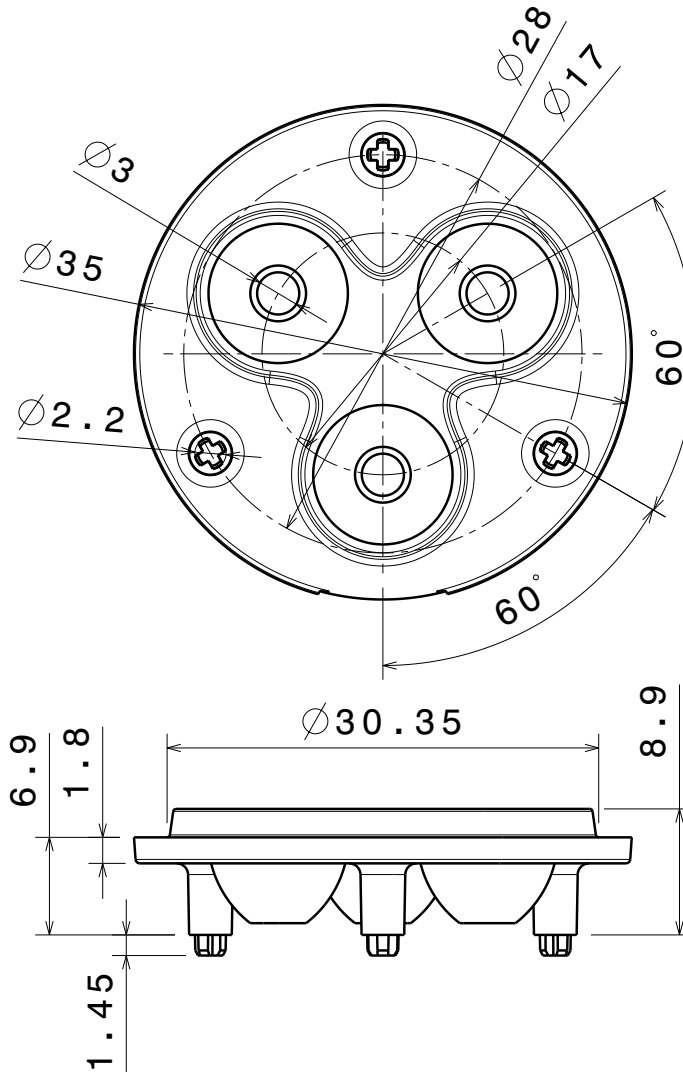# Relative intensity of C11624-GT3-RE-WW

D | C | B | A

Isometric view
Scale: 1:1

Material: PMMA

Part no.s:
C10891_GT3-XP-S
C10891_GT3-XP-G-S
C10891_GT3-OSL-S
C10891_GT3-DD-S
C10891_GT3-RE-ES-M
C10891_GT3-Z5-S
C10892_GT3-XP-M
C10892_GT3-XP-G-M
C10892_GT3-OSL-M
C10892_GT3-DD-M
C10892_GT3-XP-M
C10892_GT3-Z5-M
C10893_GT3-XP-W
C10893_GT3-XP-G-W
C10893_GT3-OSL-W
C10893_GT3-DD-W
C10893_GT3-RE-ES-W
C11623_GT3-RE-WW
C11623_GT3-N19-WW
C11624_GT3-XP-WW
C11624_GT3-XP-G-WW
C11624_GT3-OSL-WW
C11624_GT3-DD-WW
C11624_GT3-Z5-WW

$\varnothing 28$
$\varnothing 17$
$\varnothing 3$
$\varnothing 35$
$\varnothing 2.2$

Bottom view

$60°$
$60°$

$\varnothing 30.35$

6.9
1.8
1.45
8.9

Front view

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DRAWING TITLE

Datasheet GT3-Series Lens

DRAWN BY	DATE				
p	08.01.2010				
CHECKED BY	DATE	SIZE	DRAWING NUMBER		REV
t k	07.01.2010	A4	-		1
DESIGNED BY	DATE				
hh	07.01.2010	SCALE 2:1	WEIGHT(g)	SHEET 1/1	

D | A