

**Ordering number CP10960\_RGBX-SS**

Family	RGBX	FWHM	18 degrees
Type	Assembly	Efficiency	85 %
LED	Ostar-SMT RGB	cd/Im	4.400
Color	Black	Gerber File	Available
Diameter	30 mm		
Height	28 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number CP10766\_RGBX-M**

Family	RGBX	FWHM	30 degrees
Type	Assembly	Efficiency	70 %
LED	Ostar-SMT RGB	cd/Im	-
Color	Black	Gerber File	Available
Diameter	30 mm		
Height	28 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number CP10767\_RGBX-O**

Family	RGBX	FWHM	50+33 degrees
Type	Assembly	Efficiency	69 %
LED	Ostar-SMT RGB	cd/Im	-
Color	Black	Gerber File	Available
Diameter	30 mm		
Height	28 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
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.**



## PRODUCT DATASHEET RGBX series

last update 5/2/2013



### GENERAL INFORMATION

- Product series especially designed & optimized for Ostar-SMT RGB 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. 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%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees 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](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 board 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.**