



**Ordering number CA12062\_EMILY-D**

Family	Emily	FWHM	10 degrees
Type	Lens	Efficiency	91 %
LED	LUXEON Rebel ES	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA12064**  
**Description CA12064\_Emily-M-Tape-RE-ES**

Family	Emily	FWHM	18 degrees
Type	Lens	Efficiency	90 %
LED	LUXEON Rebel ES	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA12070**  
**Description CA12070\_Emily-M2-Tape-RE-ES**

Family	Emily	FWHM	28.5 degrees
Type	Lens	Efficiency	90 %
LED	LUXEON Rebel ES	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		

**Ordering number CA12066**  
**Description CA12066\_Emily-O-Tape-RE-ES**

Family	Emily	FWHM	44+10 degrees
Type	Lens	Efficiency	90 %
LED	LUXEON Rebel ES	cd/Im	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
Status	Ready		



# PRODUCT DATASHEET

## Emily series

last update 23/11/2011



Ordering number	CA12068		
Description	CA12068_Emily-O-90-Tape-RE-ES		
Family	Emily	FWHM	44+10 degrees
Type	Lens	Efficiency	90 %
LED	LUXEON Rebel ES	cd/lm	-
Color	Transparent	Gerber File	Available
Diameter	26 mm		
Height	15 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	Pin, tape		
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

### Emily series

last update 23/11/2011



#### GENERAL INFORMATION

- Product series especially designed & optimized for LUXEON Rebel ES 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%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>

- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: [http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.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 tape.**

**NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape 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.**