

LL06 6-in-1 Lens for Color Mixing

Datasheet

For CREE Multi-Color 6-in-1 and Single-Color LEDs

Features:

- High efficiency
- Available in 1 beam Patterns
- Optimized for color mixing effects
- Lens with housing



Typical applications :

- Stage Lighting
- Street Lights
- Decorative Light
- Architectural Lighting
- Down Light

Table of Contents

• General Information.....	2
• General Specifications.....	3
• Optical Specifications.....	3
• Mechanical Specifications.....	4
• Illumination charts.....	6
• Package Specifications.....	7
• Product Nomenclature.....	8

General Information

• Compatible Led Type :

The LL06CR-CK25L-Mx Single lens are optimized for Alone Single-Color (Cree XR-E White) Cree LEDs from Cree ,Inc.⁽¹⁾

• Beam Angle Type :

An optimized profile integrate different front shape enable the generation of one different lens models: Medium beam (25deg).⁽²⁾

• The Way to Assembly :

The Lens should be assembled to the PCB board or MCPCB by set its housing upon LEDs which provides the most appropriate related position, so as to achieve the best uniform results.

*** Manually installation or if necessary thermal glue are recommended.**

• Function :

LL06CR-CK25L-Mx provides exceptional color mixing result with the highest efficiency through careful engineering and precision manufacturing process.

Notes:

(1) Cree XR-E is a trademark of Cree,Inc , for technical information on LEDs, please refer to Cree,Inc, www.cree.com/xlamp.

(2) Typical beam divergence will be affected by different color of LEDs.

Notes:

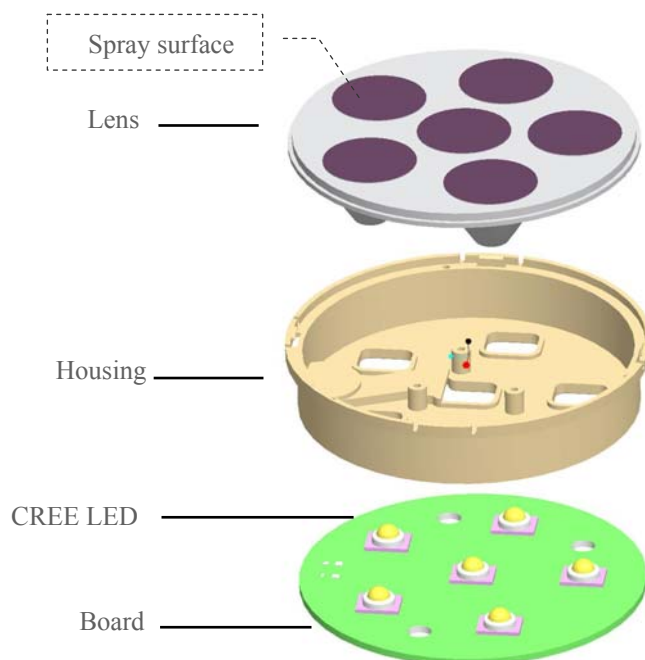
- (3) The typical divergence will be changed by different color, chip size and chip position tolerance.
The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.
- (4) The efficiency value listed above is the total value of the whole lens model, the value depends on the total flux of the LED used. Luminous intensity depends on the LEDs flux and its tolerances, for more details of LED flux, please check Cree datasheet at www.cree.com/xlamp

Mechanical Specifications

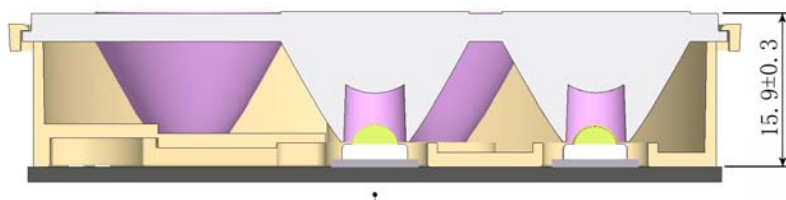
• Usage and Maintenance :

1. If necessary, clean lenses with mild soap, water and soft cloth
2. Never use any commercial cleaning solvents on lenses, like alcohol
3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

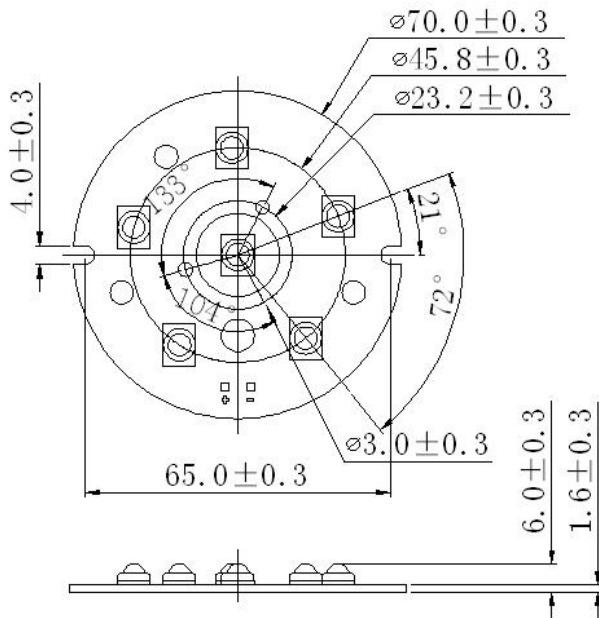
1. Lens + Leds+MCPCB assembly instruction:



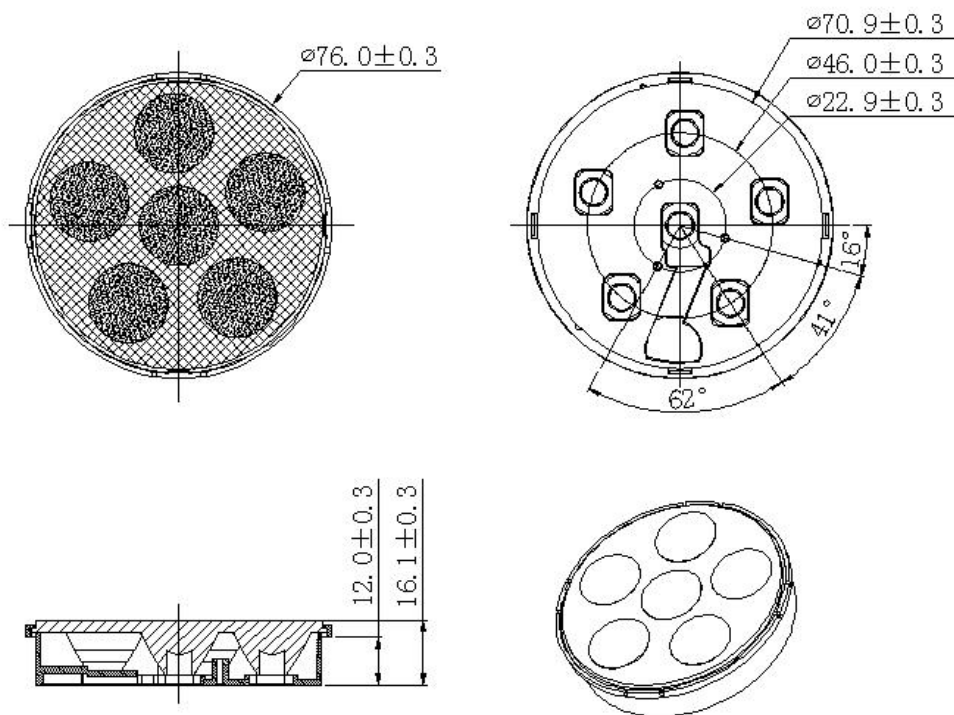
2. View assembly lens with MCPCB:



3. Single-Color Compatible MCPCB Dimensions:



4. Lens assembly dimensions and Top Views :



Notes:

- (1) All dimensions are in mm.
- (2) Drawing not to scale.
- (3) Collimator material is PMMA.

Illumination charts

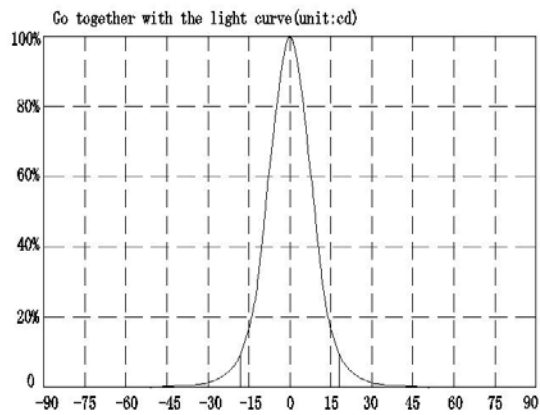
* Cree single white LED:XR-E LED

LL06CR-CK25L-Mx

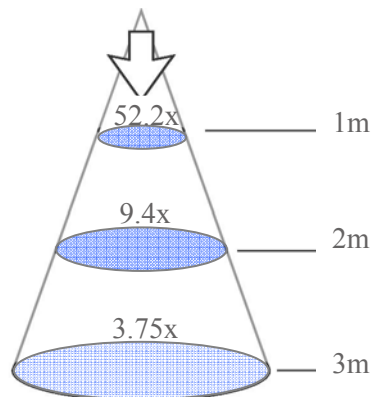
1. Beam Pattern



2. Angular Intensity Distribution

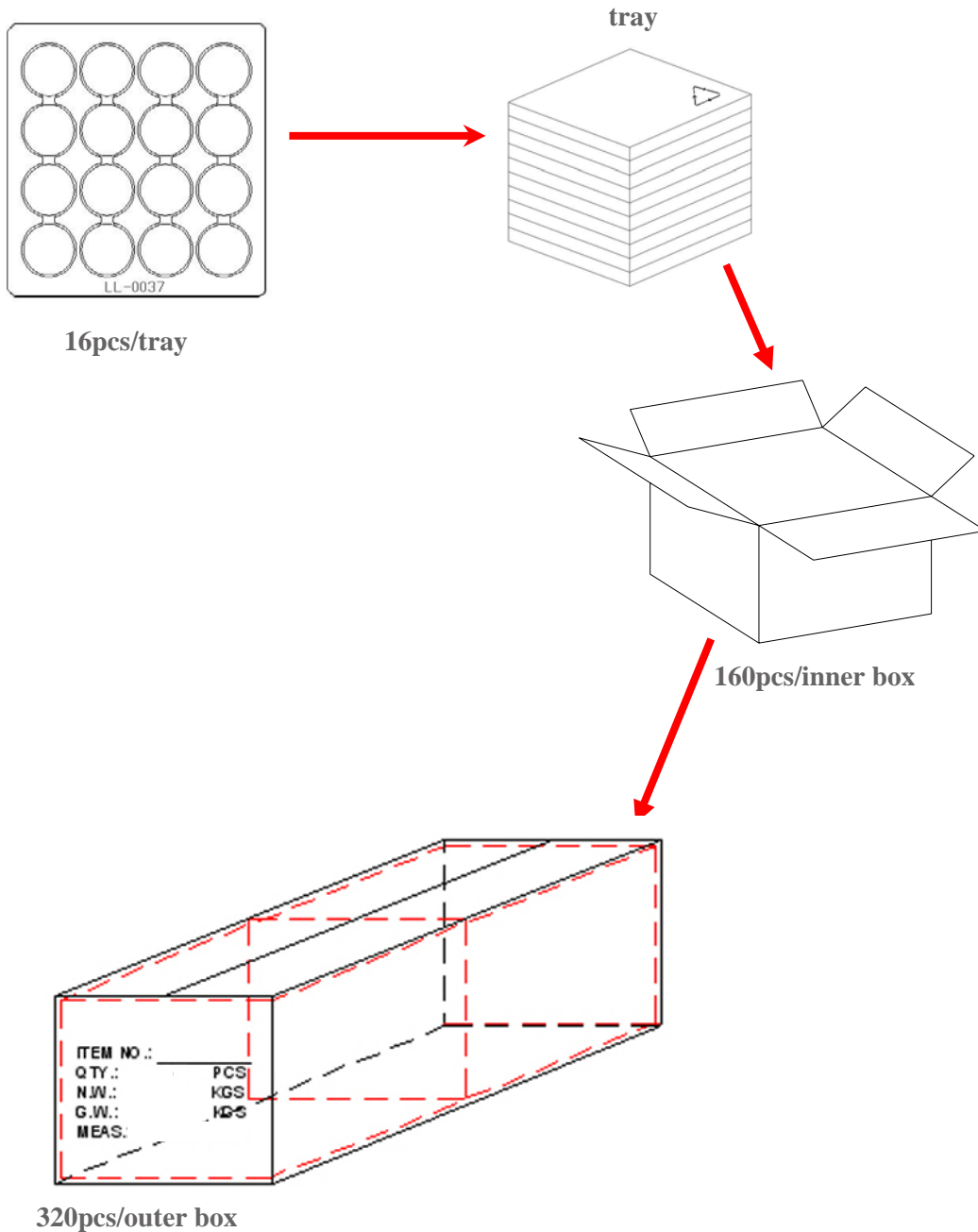


3. Shine on one degree diagram



Package

Item	Quantity	Total	Size (long * width * high)
Tray		10 pcs	38*36*2 cm
Inner box	10 tray/box	160pcs	40*37*21 cm
Outer box	2 inner box/outer box	320pcs	45.5*42*39cm



Product Nomenclature

