

LL18 18-in-1 Tri-Lens for Color Mixing

Datasheet

For Edixeon® Multi-Color 18-in-1 and Single-Color LEDs

Features:

- High efficiency
- Available in 3 beam Patterns
- Optimized for color mixing effects
- Lens alone



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.....	8
• Product Nomenclature.....	9

General Information

• Compatible Led Type :

The LL18ED-BIxxL Six-lens are optimized for both Multi-Color RGB 18in1 Edixeon® LEDs (EDERTB-1LC6 and EDERTB-1EC1) and Single-Color Edixeon® LEDs from Edison Opto.⁽¹⁾

• Beam Angle Type :

An optimized profile integrate different front shape enable the generation of three different lens models: Narrow beam (15deg),medium beam (25deg),and wide beam (45deg).⁽²⁾

• Function :

LL18ED-BIxxL provides exceptional color mixing result with the highest efficiency through careful engineering and precision manufacturing process.

Notes:

(1) Edixeon® is a trademark of Edison Opto, for technical information on LEDs, please refer to Edison Opto website at www.edison-opto.com.tw.

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

Notes:

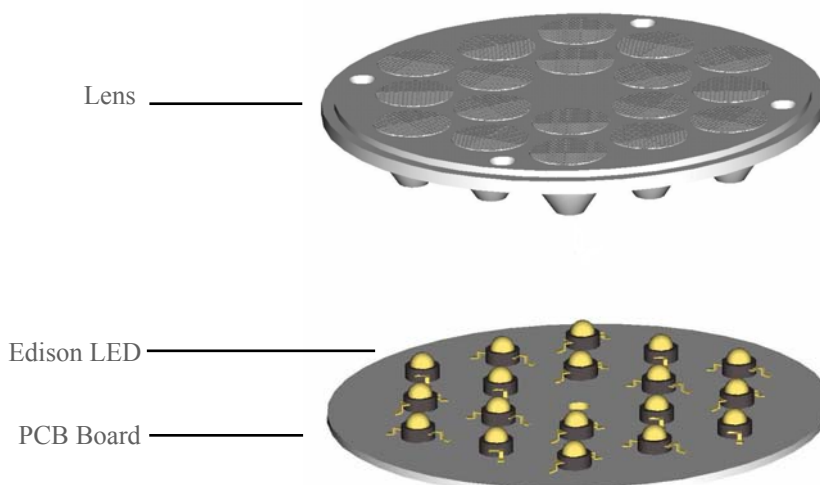
- (3) The typical divergence will be changed by different color, chip size and chip position tolerance.
The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.
- (4) The efficiency value listed above is the total value of the whole Tri-lens model, 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 Edixeon® datasheet at www.edison-opto.com.tw.

Mechanical Specifications

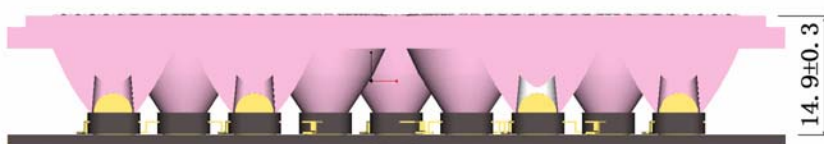
• Usage and Maintenance :

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:



Illumination charts

*Edixeon® single white LED:EDEW-KLC8

LL18ED-BI15L

1. Beam Pattern

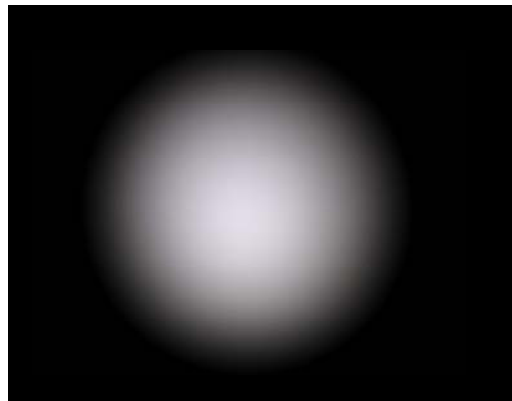
*Efficiency value is under modifying,not at present.

2. Angular Intensity Distribution

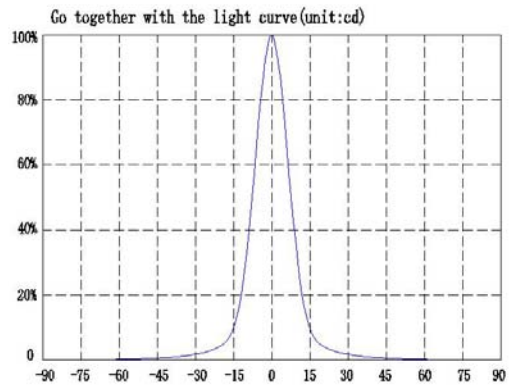
3. Shine on one degree diagram

LL18ED-BI25L

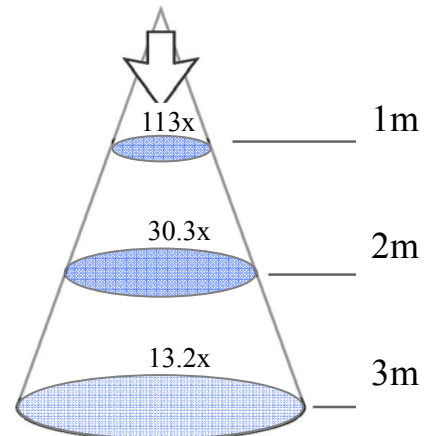
1. Beam Pattern



2. Angular Intensity Distribution



3. Shine on one degree diagram





www.ledlink-optics.com

Illumination charts

*Edixeon[®] single white LED:EDEW-KLC8

LL18ED-BI45L

1. Beam Pattern

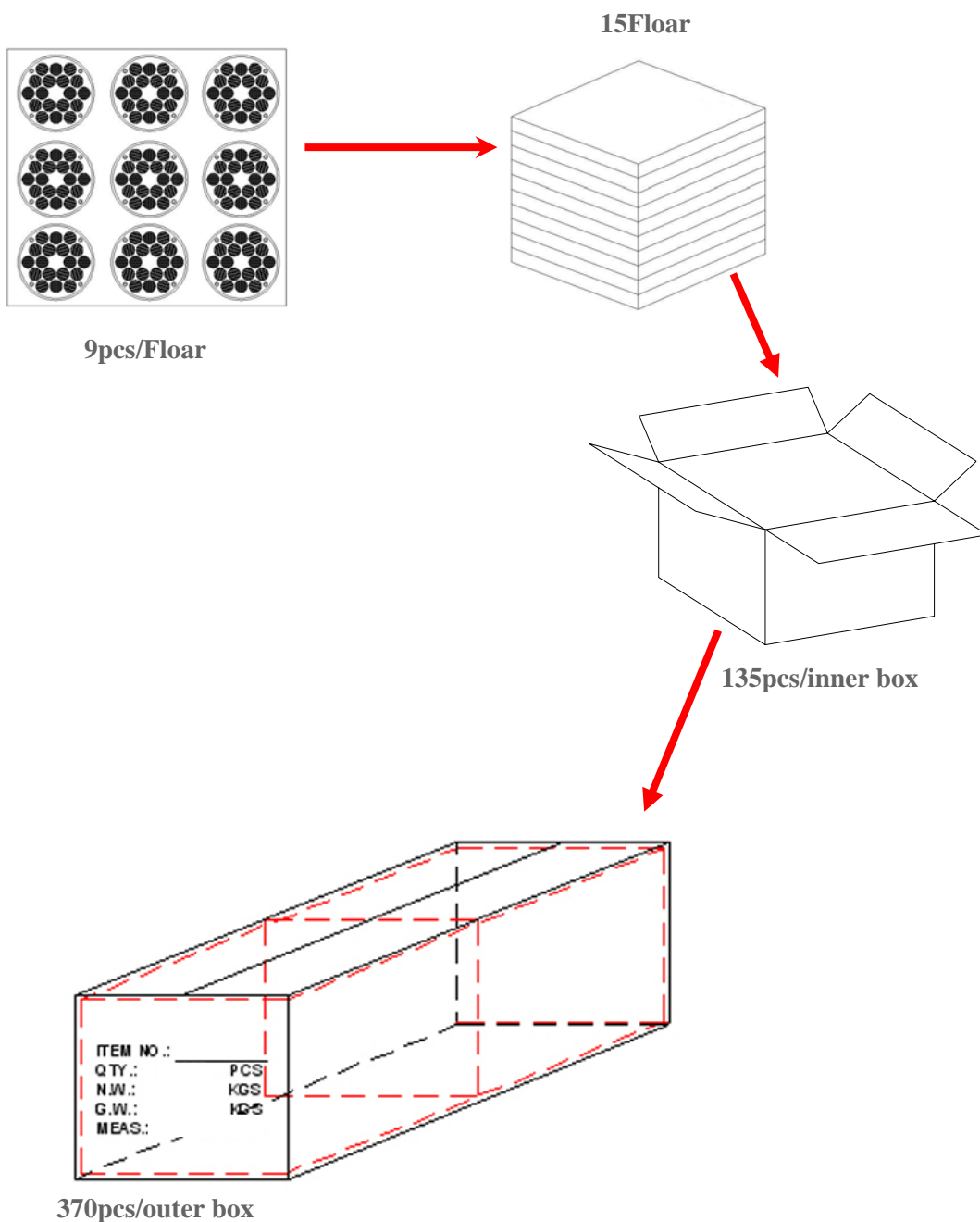
*Efficiency value is under modifying,not at present.

2. Angular Intensity Distribution

3. Shine on one degree diagram

Package

Item	Quantity	Total	Size (long * width * high)
Floar		9pcs	36*35cm
Inner box	15Floar/box	135pcs	40*37*21 cm
Outer box	2 inner box/outer box	270pcs	60*31*25.8cm



Product Nomenclature

