

DATASHEET

PRODUCT: FL-82 LED-Lens

SHOWIN Technology Co., Ltd

<http://www.swtech.com.tw> No.32, Shenzun Rd.,
Shengang, Taichung County 429, Taiwan (R.O.C)
TEL:886-4-25611133 FAX: 886-4-2561535

Buy Showin products and get applications advice from :-

Intelligent LED Solutions Ltd,

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Email: info@i-led.co.uk

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Ver.	Date	Description	Check	Approval
A	2010/02/02	Promote new spec. document and issue	Alan	Jerry

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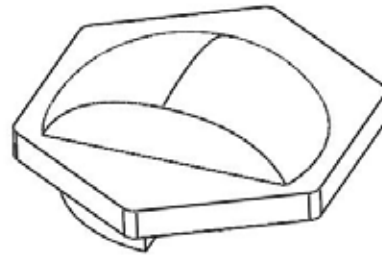
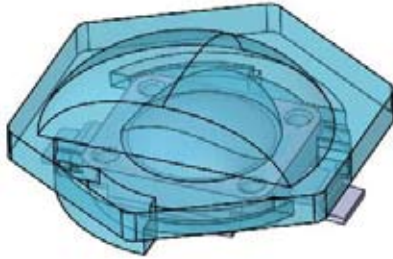
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Features

1. Peak 120° X70° view angle
2. Works with OSRAM Golden Dragon PLUS LED and compatible LED

Typical Applications

1. portable light source (e. g. bicycle, flashlight)
2. signal and symbol luminaire for orientation
3. marker lights (e.g. steps, exit ways, etc.)
4. indoor and outdoor commercial and residential architectural lighting
5. tunnel lighting
6. street lighting
7. special backlighting

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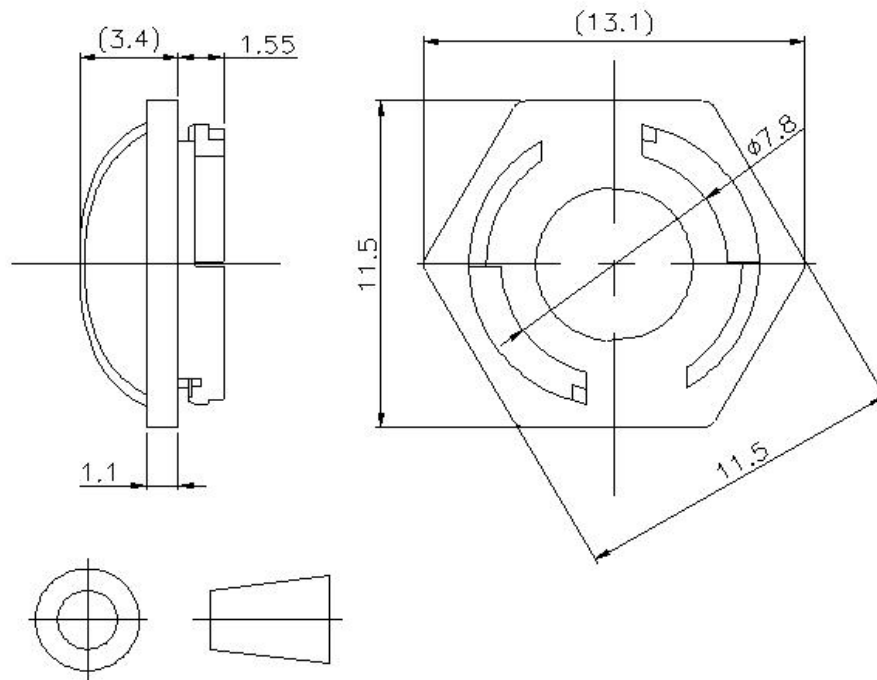
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Mechanical Dimensions



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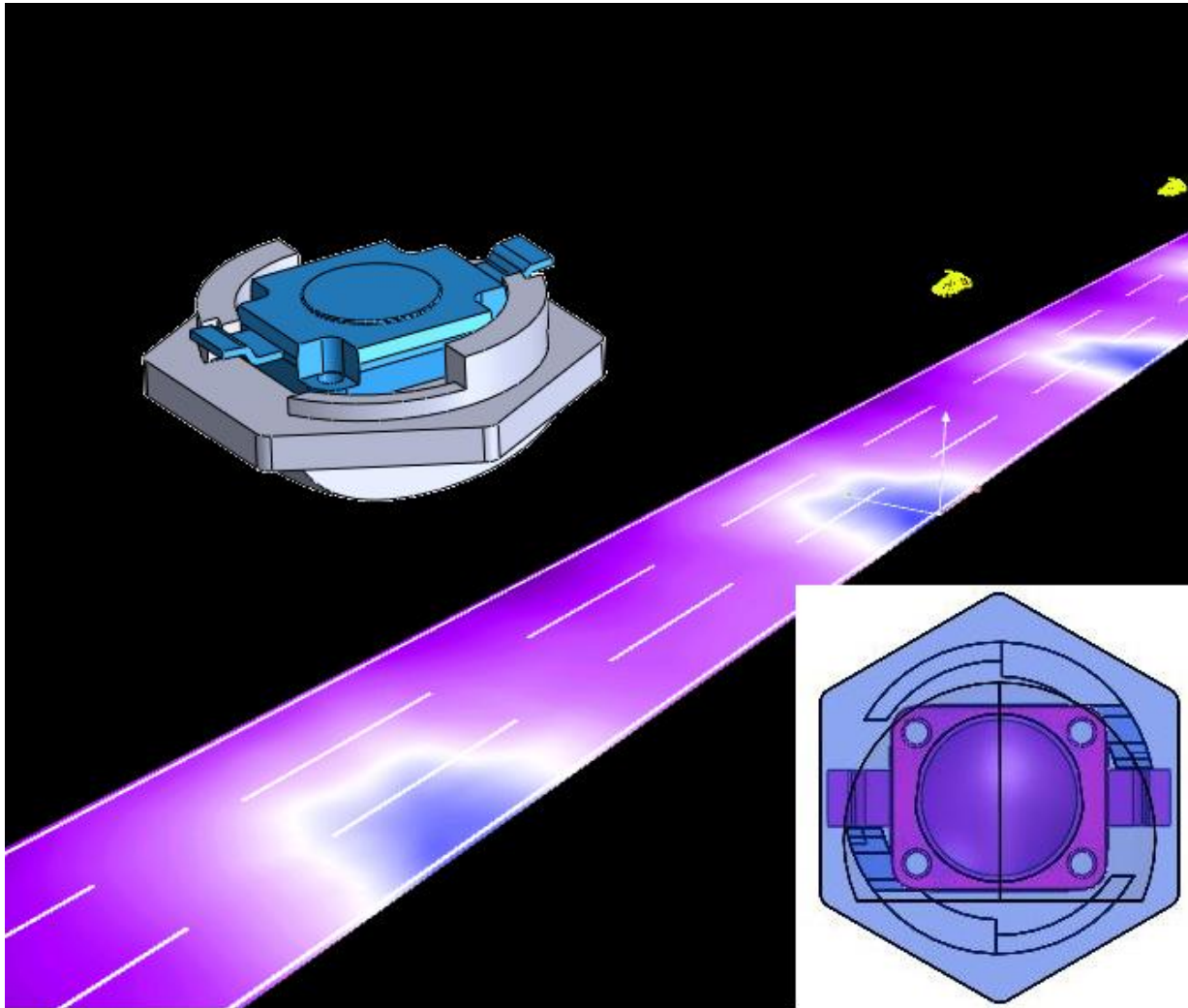
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Notes:

1. All dimensions are in millimeter(mm) unless otherwise specified.
2. General tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.
3. Protruding of the gate from the side surface is less than 0.3mm.
4. Do not subject to temperatures greater than 110°C as plastic deformation may occur. Protect collimator against exposure to solvents and adhesives that are not compatible with it. Use care in handling the optic to avoid scratches or other damage that will effect upon the optical performance.

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Representative Spatial Radiation Pattern

Simulation using LUXEON Rebel of PHILIPS Lumileds LED :

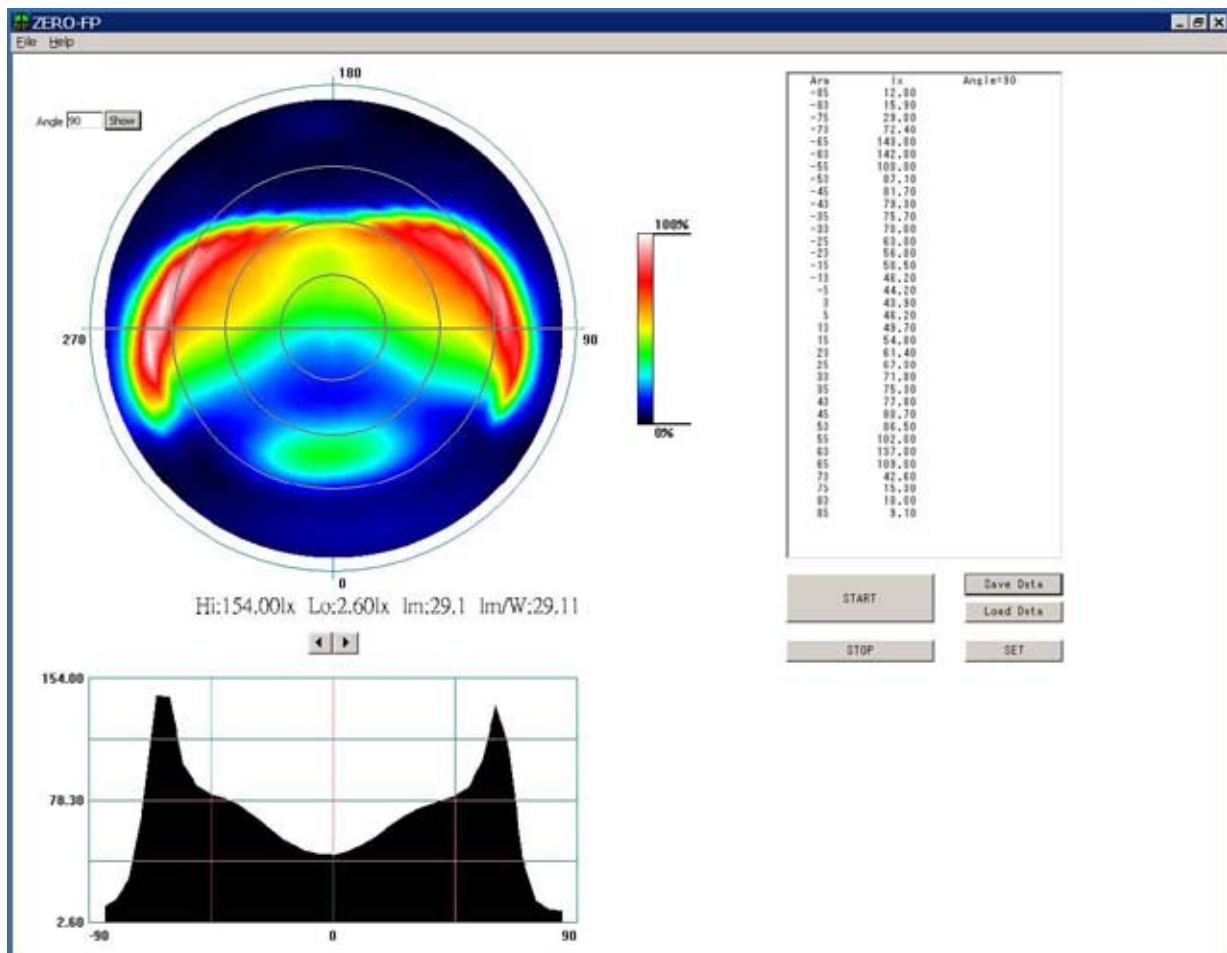
$$I_{\text{rel}} = f(\varphi)$$

I_{rel} : Relative Intensity

φ : Angular Displacement

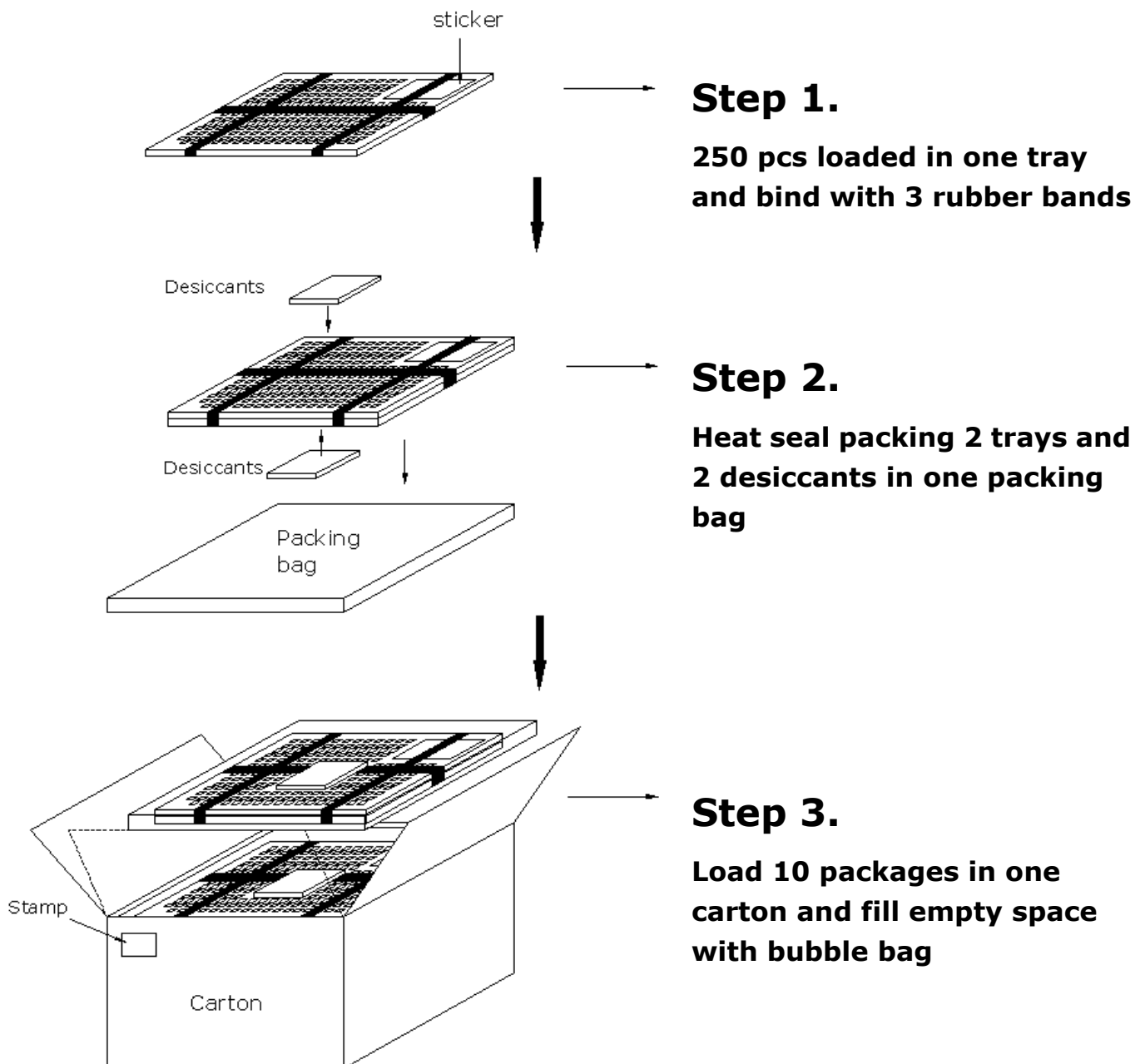
— C0-C180

— C90-C270



Packing Process

There are three steps of packing process that is: 250 lenses into a tray, two trays and two desiccants into a packing bag, ten packages into a carton.
Detail as follows:



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