

DATASHEET

S01.01.01.463_MAXWELL-16-60

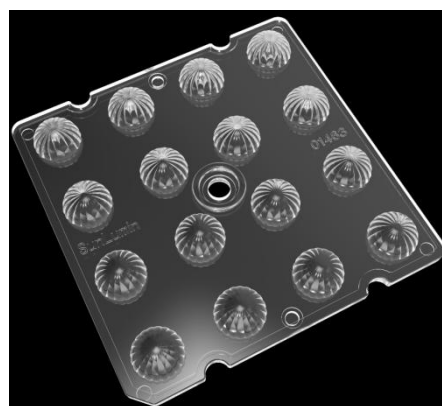
Street & Area Lighting:

~60° wide beam.

50 x 50 mm 4X4 arrays optimized for 3030 size LED packages. The position of LED and the positioning column meet the EU ZHAGA standard.

General Information

Lens Material	: PC
Size	: 50X50 mm
typ.FWHM	: 60°
Design LED	: LUXEON 3030 2D
Compatibility	: 3535/3030/2835
typ.Efficiency	: 93%
Fasten	: Screw
IP class	: N/A
Zhaga	: YES
RoHS	: YES
Color	: Clear



产品图 Product drawing

版本 REV

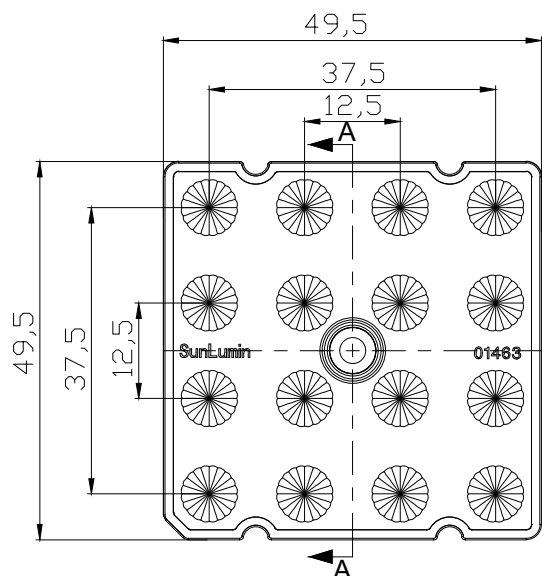
日期 DATE

变更内容 CHANGE (ITEM)

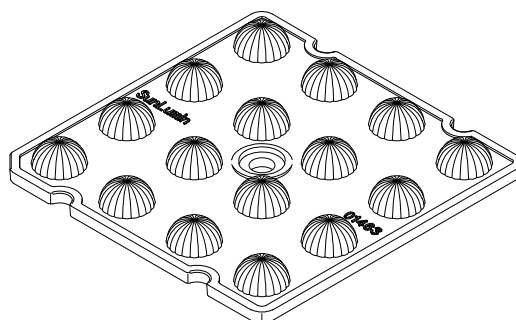
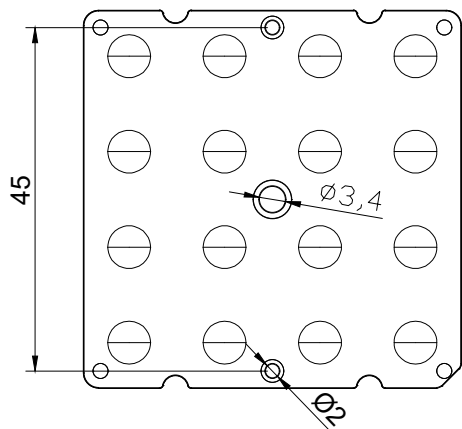
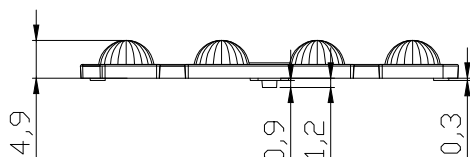
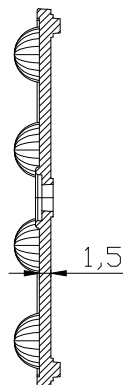
A0

2025-8-15

新建 NEW



A-A



技术要求:

- 图中有序号尺寸需要重点控制;
 - 产品不得有缺胶、气泡、收缩、黑点等异常;
 - 塑料成型的公差一般按照 GB/T14486 标准, 除非图纸另有说明。
硅橡胶成型的公差一般按照 ISO 3302-1 中的 M3 级, 除非图纸另有说明。
- Technical requirements:
- The size of the ordered number in the figure needs to be controlled;
 - The product shall not have lack of glue, bubbles, shrinkage, black spots and other abnormalities;
 - Plastic moulding general tolerances according to GB/T14486 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

SUNLUMIN OPTICS CO.,LTD

产品名称
Item name

S01.01.01.463_
MAXWELL-16-60

产品材质

Product material

PC

图法
View

第三视角

设计

Designed by

Junjie

比例

Scale

1:1

审核

Checked by

YeJingsi

单位

Unit

MM

批核

Approved by

Eric

OPTICAL RESULTS

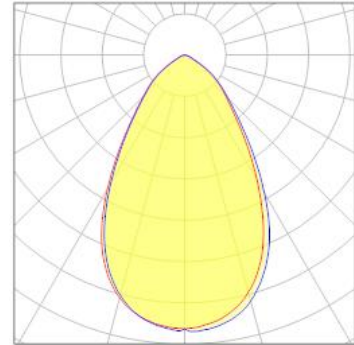
1) PHOTOMETRIC DATA(MEASURED):



LED model	LUXEON 3030 2D
Light colour	White
LEDs/each optic	1
FWHM	H63,V63.6
FWTM	H112.2,V111.7

Required components:

Glass



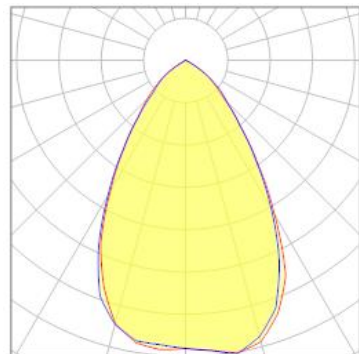
2) PHOTOMETRIC DATA(SIMULATION):



LED model	JK3030-6V
Light colour	White
LEDs/each optic	1
FWHM	H63,V63
FWTM	H106.6,V105.6

Required components:

Glass



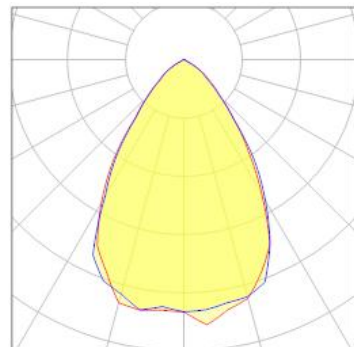
3) PHOTOMETRIC DATA(SIMULATION):



LED model	GW CSSRM3.PM
Light colour	White
LEDs/each optic	1
FWHM	H66.6,V68.4
FWTM	H105.9,V107.1

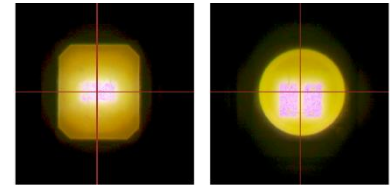
Required components:

Glass

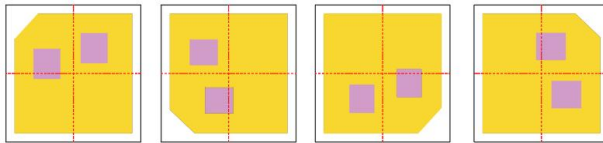


Usage and Maintenance

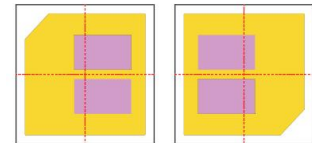
1) Due to varying asymmetric chip locations, especially on mid-power LEDs, the exact source of light is not always located at the centre of the LED packet. SunLumin recommends rotating such LEDs on the PCB in a regular pattern for smoother results.



Sample layout proposal:



Example A



Example B

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

Disclaimer

When gule pass through holes, columns and other structures, or part of the thin structure, will form a weld line. Please note that flow lines and weld lines on the external surfaces of the lenses are acceptable if the optical performance of the lens is within the specifications.

The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value. The chart data is for reference only. Please test the data again before using

The appearance and specifications of the product can be changed to improve the quality and/or performance without notice.

SunLumin assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

Last update: 24-Nov-25