

DATASHEET

S01.01.01.153_FERMI-8-T2M-CB

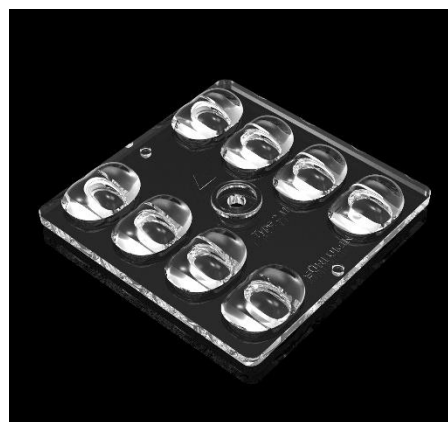
STREET & AREA LIGHTING:

IESNA Type II (medium) beam.

FERMI-8 SERIES, 50 x 50 mm 8 lens (2X4) arrays optimized for flat 5050 size LED packages.

General Information

Lens Material	: PC lev1700kl
Size	: 50X50 mm
typ.FWHM	: Asymmetric
Design LED	: LUXEON 5050
Compatibility	: 5050
typ.Efficiency	: 94%
Fasten	: Screw
IP class	: N/A
Zhaga	: NO
RoHS	: YES
Color	: Clear



产品图

未标注公差: $\pm 0.3\text{mm}$

版本 (REV)

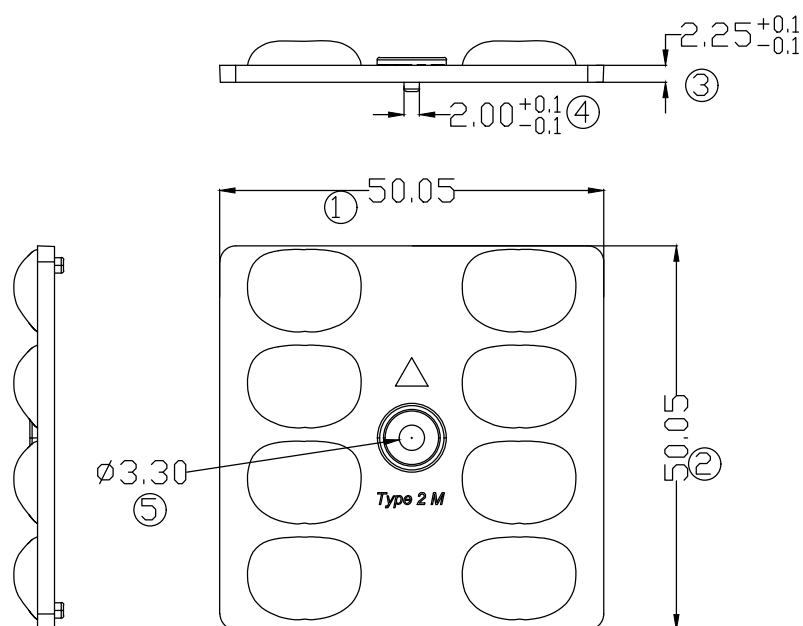
日期 (DATE)

变更内容CHANGE (ITEM)

A0

2021-6-10


新建 (NEW)



技术要求:

1. 图中字母标注的尺寸需要重点管控;
2. 图中未标注公差的尺寸按一般公差标准执行;
3. 产品不可有缺胶, 气泡, 缩水, 黑点等异常;

SUNLUMIN OPTICS CO., LTD

产品名称 Item name	S01.01.01.153 FERMI-8-T2M-CB	模号 Mold No.	
产品材质 Product material	PC (透明)	重量 Weight	
图法 View	 第三视角	设计 Designer	Yvan
比例 Share	1:1	审核 Checked	Haiqiu
单位 Unit	MM	批核 Approved	

OPTICAL RESULTS

1) PHOTOMETRIC DATA(MEASURED):



LED model LUXEON 5050

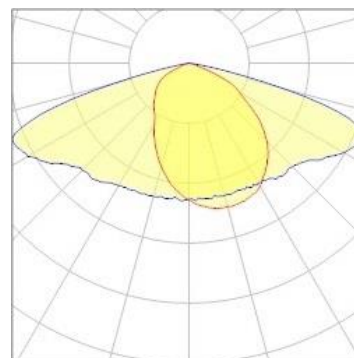
Light colour White

LEDs/each optic 1

FWHM Asymmetric

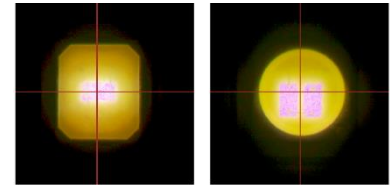
Required components:

Glass

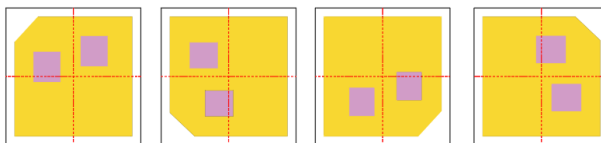


Usage and Maintenance

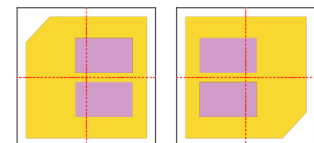
1) Due to varying asymmetric chip locations, especially on mid-power LEDs, the exact source of light is not always located at the centre of the LED packet. SunLumin recommends rotating such LEDs on the PCB in a regular pattern for smoother results.



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: 28-Sep-25