

DATASHEET

S01.01.01.413_MAXWELL-6-30

Street Lighting:

30° (Medium) beam. Good uniformity of light spot.

50 x 50 mm. 2x3 arrays for 5050 size LED packages.

1.General Information

Lens Material : PC

Size : 50X50mm

typ.FWHM : 30°

Design LED : Luxeon 5050 Square

Compatibility : 5050

typ.Efficiency : 96%

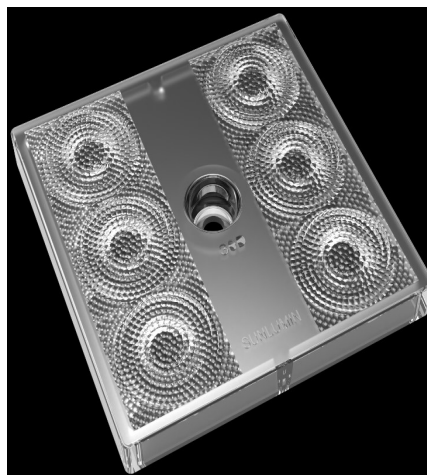
Fasten : Screw

IP class : N/A

Zhaga : N/A

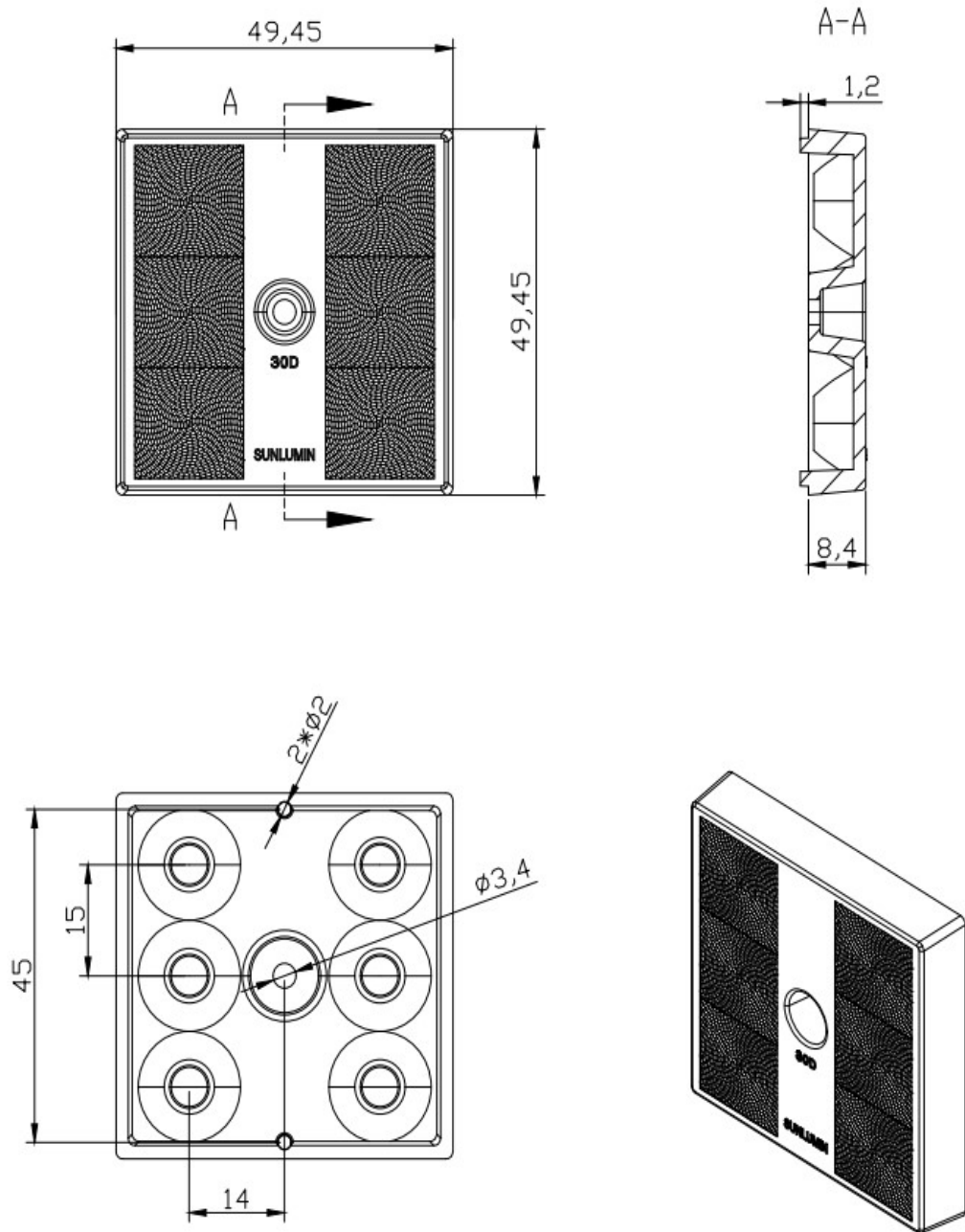
RoHS : YES

Color : Clear



2.MECHANICAL SPECIFICATION

UNIT:mm



Dimensions with unmarked tolerances refer to GBT14486 tolerance table.

3.OPTICAL RESULTS

1) PHOTOMETRIC DATA(MEASURED):



LED model Luxeon 5050 Square

Light colour White

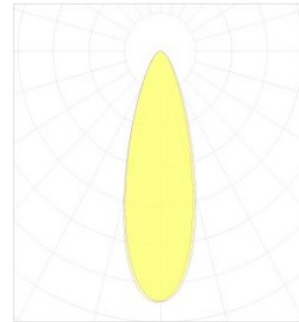
LEDs/each optic 1

FWHM H33.4°,V34.2°

FWTM H71.6°,V73.5°

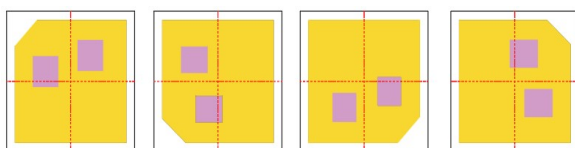
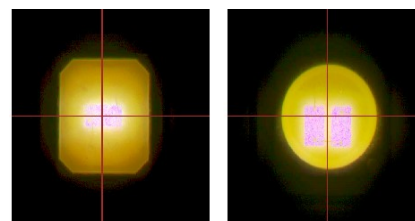
Required components:

Glass

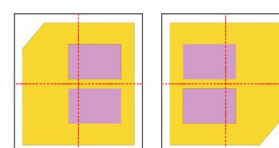


4.Usage and Maintenance

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

5.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: 19/Mar/25