

TUIJA-3-M

~16° medium beam

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 50.0 mm |
| Height | 14.5 mm |
| Fastening | glue, pin |
| ROHS compliant | yes ⓘ |

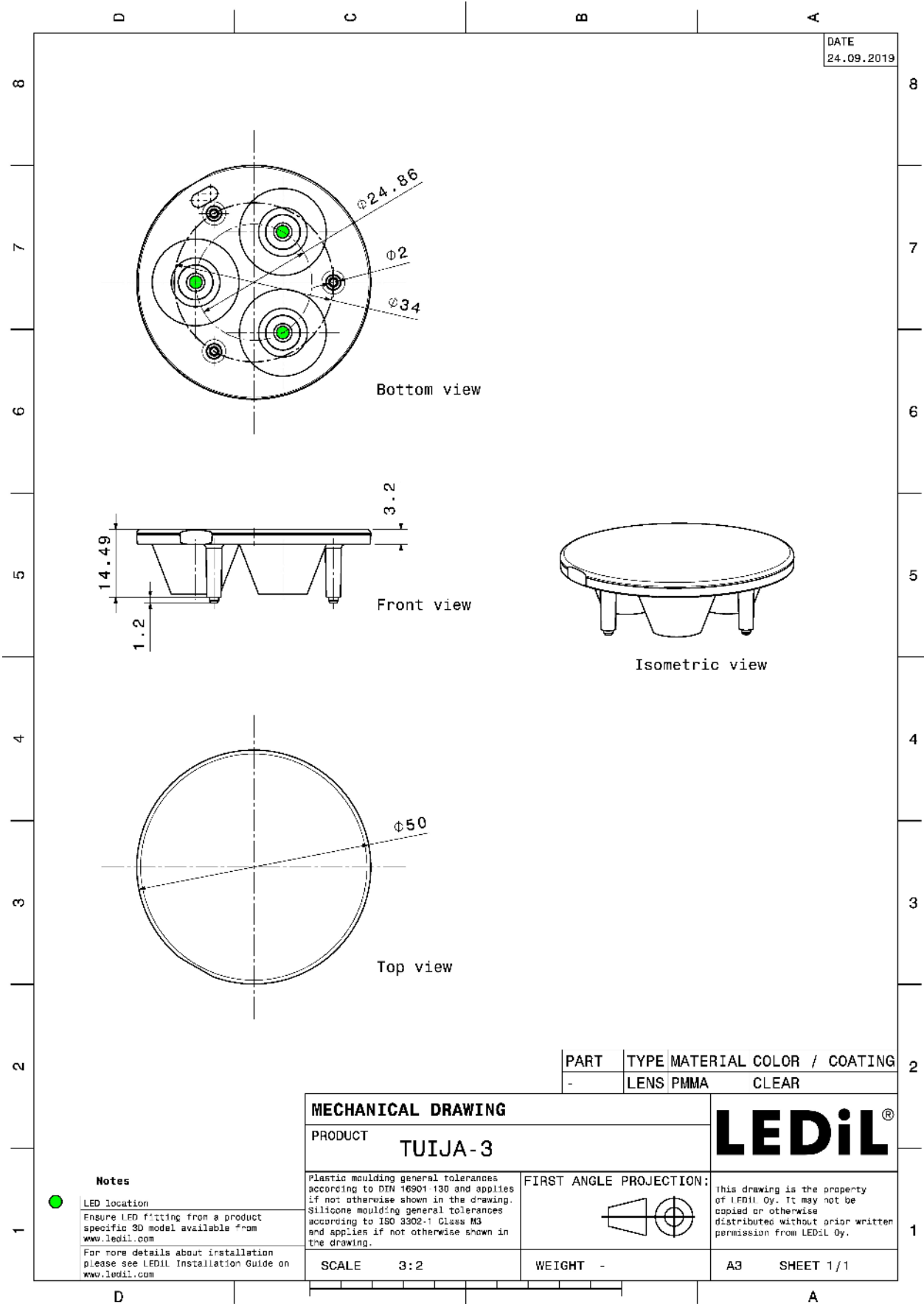
MATERIALS:

| Component | Type | Material | Colour | Finish |
|-----------|------------|----------|--------|--------|
| TUIJA-3-M | Multi-lens | PMMA | clear | |

ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| C11193_TUIJA-3-M » Box size: 480 x 280 x 300 mm | 364 | 112 | 28 | 6.6 |



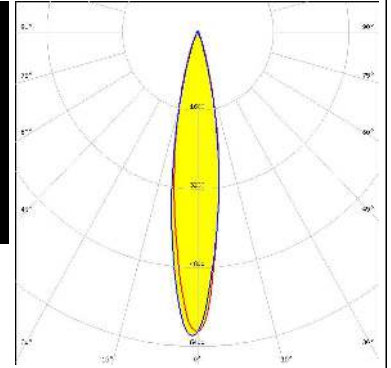


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

LED XB-D
 FWHM / FWTM 18.0° / 37.0°
 Efficiency 94 %
 Peak intensity 6.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

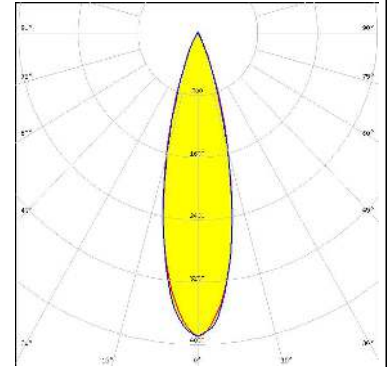


CREE LED

LED XP-E
 FWHM / FWTM 19.0° / 38.0°
 Efficiency 82 %
 Peak intensity 5.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

CREE LED

LED XP-G
 FWHM / FWTM 20.0° / 41.0°
 Efficiency 82 %
 Peak intensity 4.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON A
 FWHM / FWTM 17.0°
 Efficiency 82 %
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED LUXEON Rebel
FWHM / FWTM 14.0° / 32.0°
Efficiency 82 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM / FWTM 18.0° / 40.0°
Efficiency 82 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

NICHIA

LED NCSxx19A
FWHM / FWTM 16.0°
Efficiency 82 %
LEDs/each optic 1
Light colour White
Required components:

NICHIA

LED NVSxx19A
FWHM / FWTM 16.0°
Efficiency 82 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):

OSRAM

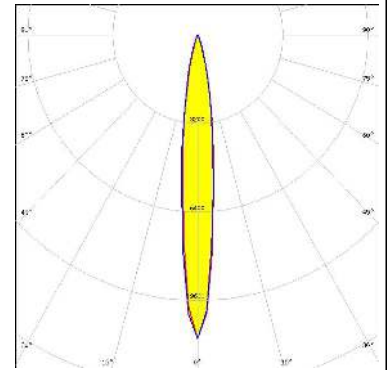
Opto Semiconductors

LED OSLOM SSL 80
FWHM / FWTM 14.0° / 38.0°
Efficiency 82 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

SECOIL

SECOIL SEMICONDUCTOR


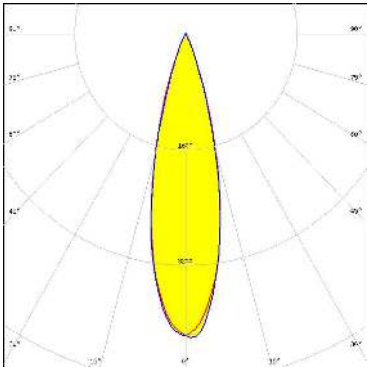

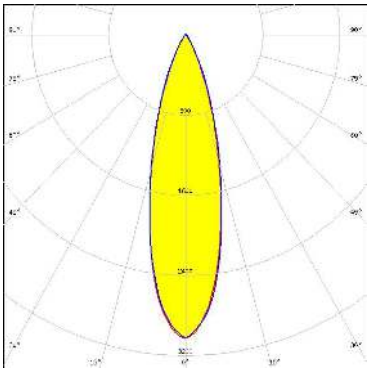

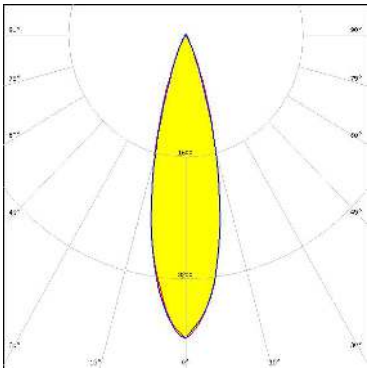


LED Z5
FWHM / FWTM 12.0° / 31.0°
Efficiency 93 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:



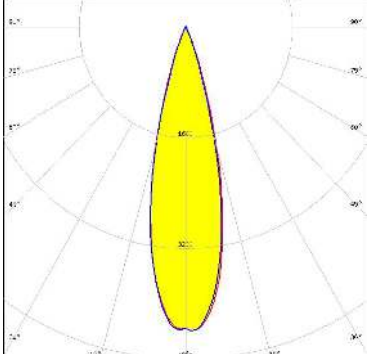
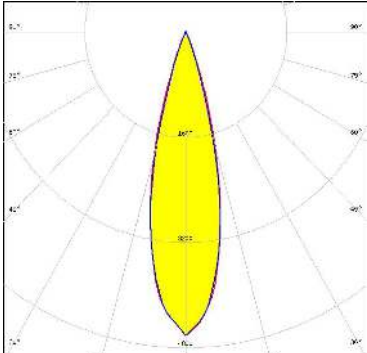
SHARP

LED Double Dome (GM2BB)
FWHM / FWTM 16.0°
Efficiency 82 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

| | | |
|--|--|---|
|  | <p>LED XT-E FWHM / FWTM 26.0° / 44.0° Efficiency 94 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |
|  | <p>LED Duris S8 FWHM / FWTM 28.0° / 54.0° Efficiency 95 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |
|  | <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 26.0° / 46.0° Efficiency 95 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |
|  | <p>LED OSLOM SSL 150 FWHM / FWTM 23.0° Efficiency % Peak intensity 5.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4715AS FWHM / FWTM 27.0° / 43.0° Efficiency 94 % LEDs/each optic 1 Light colour IR Required components:</p> |  <p>A beam spread diagram for the SFH 4715AS LED. It shows a yellow, elongated beam shape centered on a grid of concentric circles and radial lines. The radial lines are labeled with angles: 0°, 15°, 30°, 45°, 60°, 75°, and 90°. The beam is wider at the bottom and tapers towards the top. The top of the beam is labeled with 27.0° and the bottom with 43.0°.</p> |
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4716AS FWHM / FWTM 27.0° / 43.0° Efficiency 94 % LEDs/each optic 1 Light colour IR Required components:</p> |  <p>A beam spread diagram for the SFH 4716AS LED. It shows a yellow, elongated beam shape centered on a grid of concentric circles and radial lines. The radial lines are labeled with angles: 0°, 15°, 30°, 45°, 60°, 75°, and 90°. The beam is wider at the bottom and tapers towards the top. The top of the beam is labeled with 27.0° and the bottom with 43.0°.</p> |

GENERAL INFORMATION:

NOTE: 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.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
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