## STRADELLA-16-T3

**IESNA Type III (medium) beam for roads that are equal to or wider than mounting height**
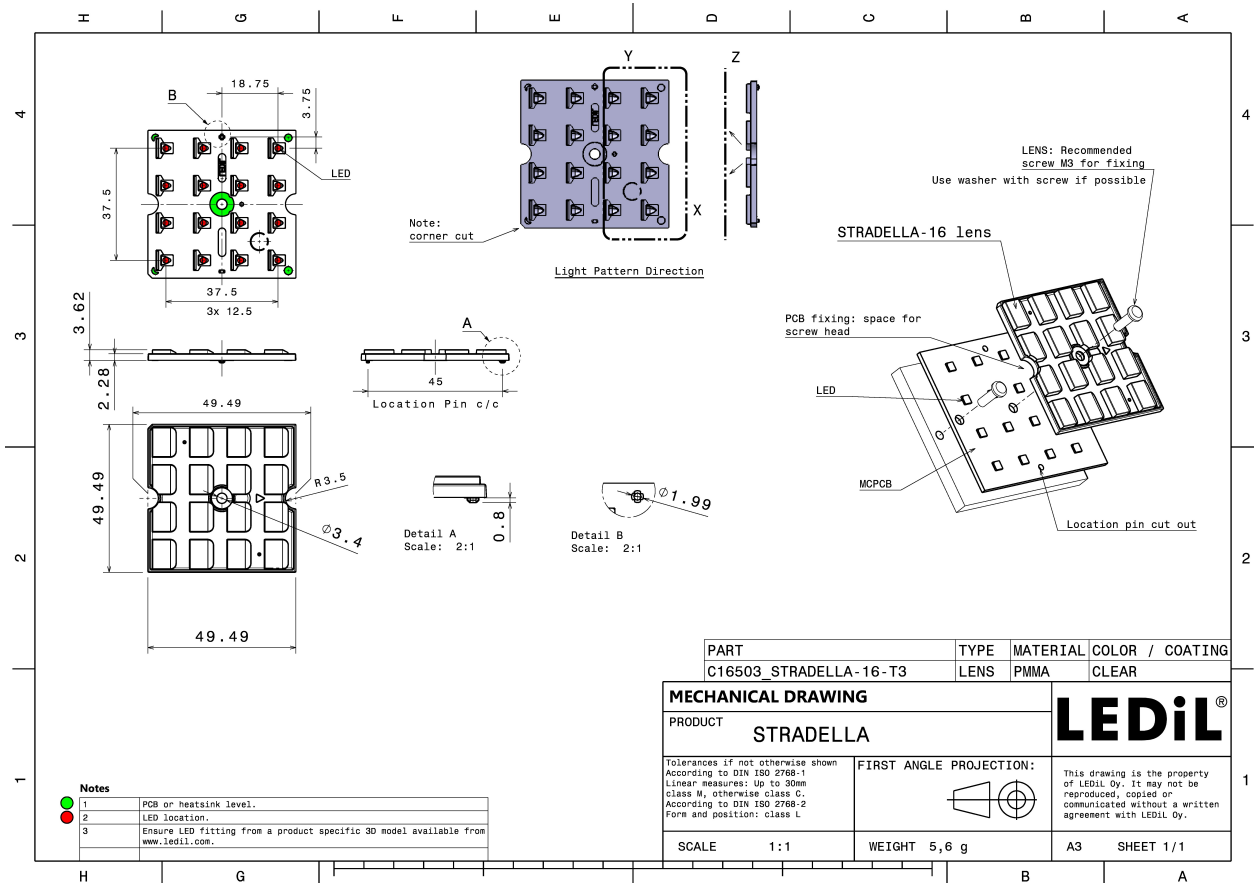


### TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| Dimensions | 49.5 mm |
| Height | 3.7 mm |
| Fastening | pin, screw |
| Colour | clear |
| Box size | 476 x 273 x 292 mm |
| Box weight | 5.3 kg |
| Quantity in Box | 800 pcs |
| ROHS compliant | yes ⓘ |

### MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|---|---|---|---|
| STRADELLA-16-T3 | Multi-lens | PMMA | clear |

18.75
3.75
B
LED
37.5
37.5
3x 12.5
3.62
2.28
49.49
49.49
49.49
R3.5
⌀3.4

Note:
corner cut

Light Pattern Direction

A
45
Location Pin c/c

Detail A
Scale: 2:1
0.8

⌀1.99
Detail B
Scale: 2:1

LENS: Recommended
screw M3 for fixing
Use washer with screw if possible

STRADELLA-16 lens

PCB fixing: space for
screw head

LED

MCPCB

Location pin cut out

| PART | | TYPE | MATERIAL | COLOR / COATING |
|------|--|------|----------|-----------------|
| C16503_STRADELLA-16-T3 | | LENS | PMMA | CLEAR |

**MECHANICAL DRAWING**

PRODUCT
**STRADELLA**

**LEDiL®**

| Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L | FIRST ANGLE PROJECTION: | This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy. |
|---|---|---|
| SCALE  1:1 | WEIGHT  5,6 g | A3  SHEET 1/1 |

**Notes**

| | | |
|--|--|--|
| 🟢 | 1 | PCB or heatsink level. |
| 🔴 | 2 | LED location. |
| | 3 | Ensure LED fitting from a product specific 3D model available from www.ledil.com. |

## PHOTOMETRIC DATA (MEASURED):

**NICHIA**

| | |
|---|---|
| LED | NFSx757D |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.560 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**OSRAM**
Opto Semiconductors
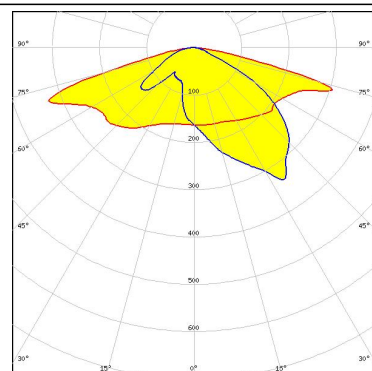
| | |
|---|---|
| LED | Duris S5 (2 chip) |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.540 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**PHILIPS**
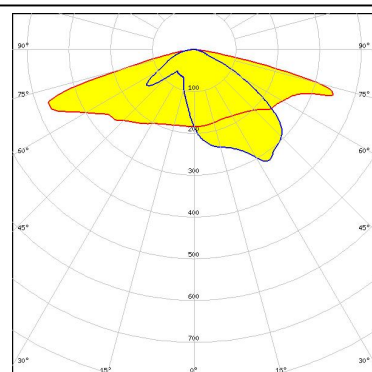
| | |
|---|---|
| LED | Fortimo FastFlex LED 4x16 DHE G4 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.520 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**SAMSUNG**
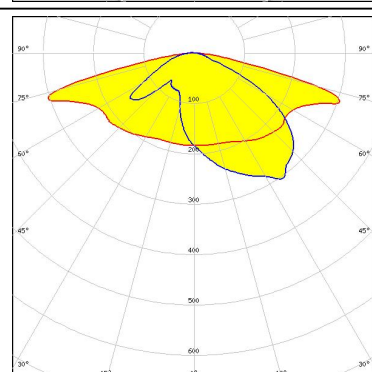
| | |
|---|---|
| LED | HiLOM RM64 (LM301B) |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.510 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
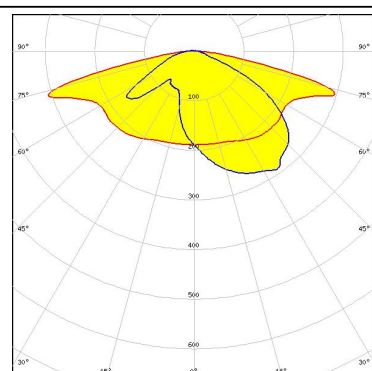
## PHOTOMETRIC DATA (MEASURED):

### TRIDONIC

| | |
|---|---|
| LED | RLE 4x16 4000lm MP ADV2 OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.550 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
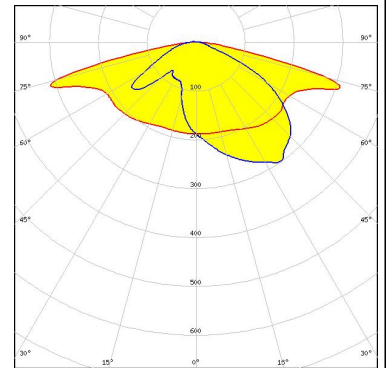


### TRIDONIC

| | |
|---|---|
| LED | RLE 4x8 2000lm MP ADV2 OTD |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.550 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

## PHOTOMETRIC DATA (SIMULATED):

**CREE**

| | |
|---|---|
| LED | J Series 2835 |
| FWHM | Asymmetric |
| Efficiency | 93 % |
| Peak intensity | 0.480 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**CREE**
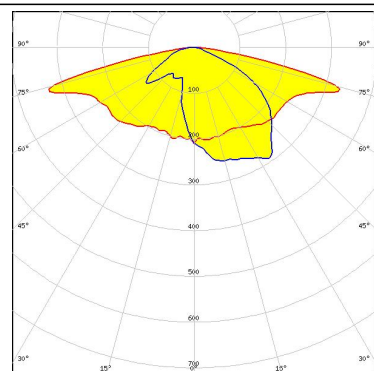
| | |
|---|---|
| LED | XD16 |
| FWHM | Asymmetric |
| Efficiency | 92 % |
| Peak intensity | 0.480 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**LUMILEDS**
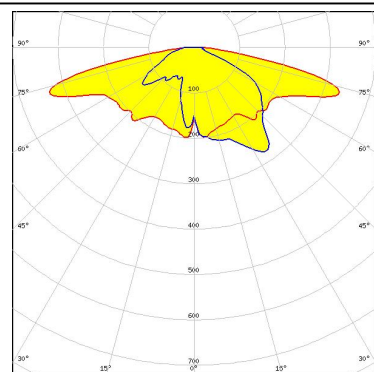
| | |
|---|---|
| LED | LUXEON 3030 2D (Round LES) |
| FWHM | Asymmetric |
| Efficiency | % |
| Peak intensity | 0.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
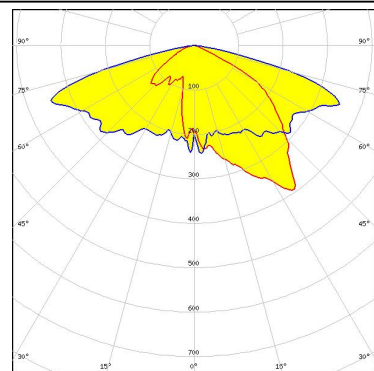


**NICHIA**

| | |
|---|---|
| LED | NF2x757G |
| FWHM | Asymmetric |
| Efficiency | 93 % |
| Peak intensity | 0.480 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

## PHOTOMETRIC DATA (SIMULATED):

**NICHIA**
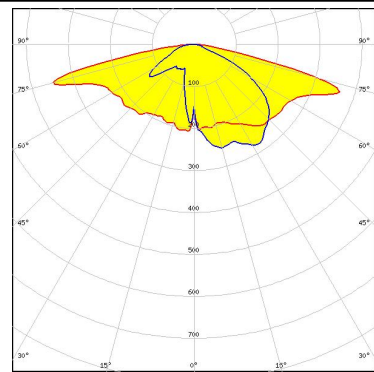
| | |
|---|---|
| LED | NF2x757G |
| FWHM | Asymmetric |
| Efficiency | 73 % |
| Peak intensity | 0.350 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

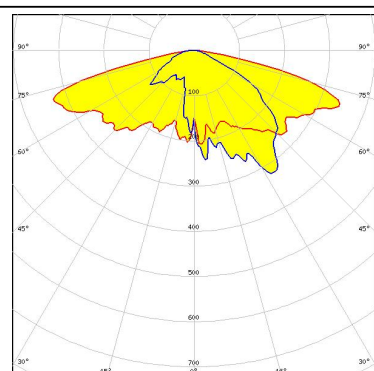Required components:
 Undefined Manufacturer: Protective Plate, Glass



**NICHIA**
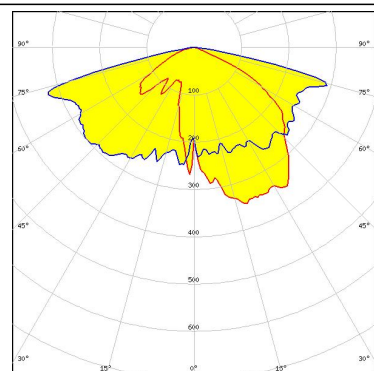
| | |
|---|---|
| LED | NVSxE21A |
| FWHM | Asymmetric |
| Efficiency | 0 % |
| Peak intensity | 0.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:



**PHILIPS**
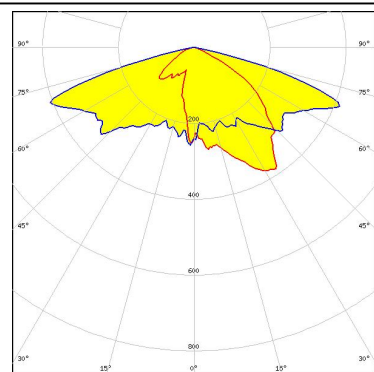
| | |
|---|---|
| LED | Fortimo FastFlex LED 4x16 DHE G4 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 0.350 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

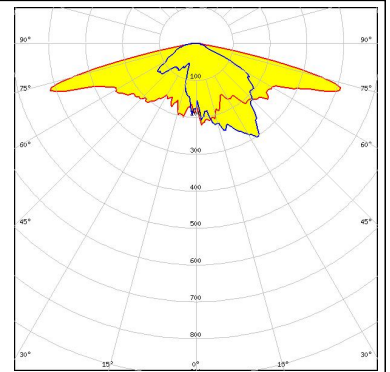Required components:
 Undefined Manufacturer: Protective Plate, Glass
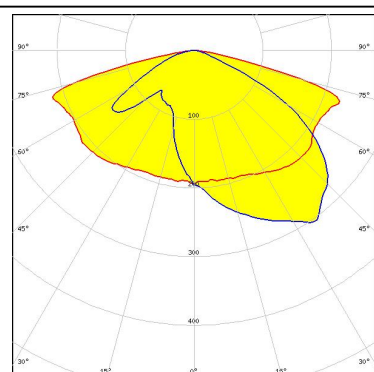


**SAMSUNG**

| | |
|---|---|
| LED | LH181B |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 0.480 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |

Required components:

## PHOTOMETRIC DATA (SIMULATED):

**SAMSUNG**

| | |
|---|---|
| LED | LM101B |
| FWHM | Asymmetric |
| Efficiency | 93 % |
| Peak intensity | 0.670 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



**SAMSUNG**

| | |
|---|---|
| LED | LM301A |
| FWHM | Asymmetric |
| Efficiency | 0 % |
| Peak intensity | 0.000 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |
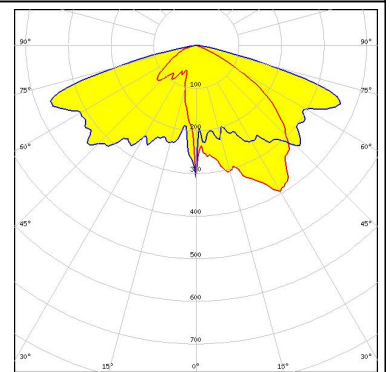
## GENERAL INFORMATION:

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:

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