# STRADA-SQ-FS3

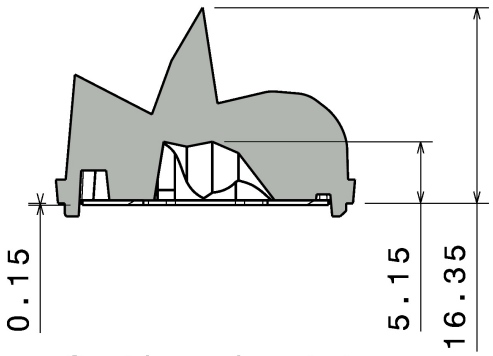
**Forward throw beam optimized for European tunnels, resulting extremely efficient lighting with counter-beam method. Version with location pins. Assembly with installation tape.**

## TECHNICAL SPECIFICATIONS:

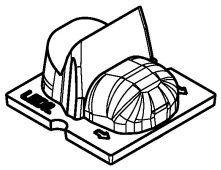
| | |
|---|---|
| Dimensions | 25 + 25 mm |
| Height | 16.2 mm |
| Fastening | tape |
| Colour | clear |
| Box size | 480 x 280 x 300 mm |
| Box weight | 7.4 kg |
| Quantity in Box | 1470 pcs |
| ROHS compliant | yes |

## MATERIAL SPECIFICATIONS:

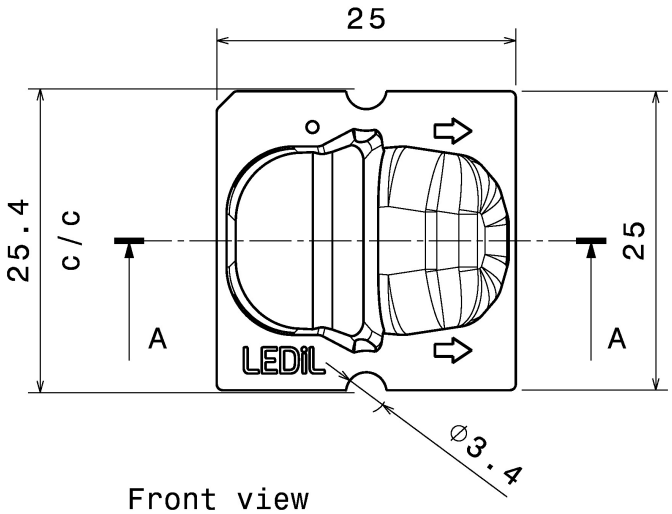
| Component | Type | Material | Colour |
|---|---|---|---|
| STRADA-SQ-FS3 | Lens | PMMA | clear |
| ROSE-TAPE | Tape | PU tape | black |



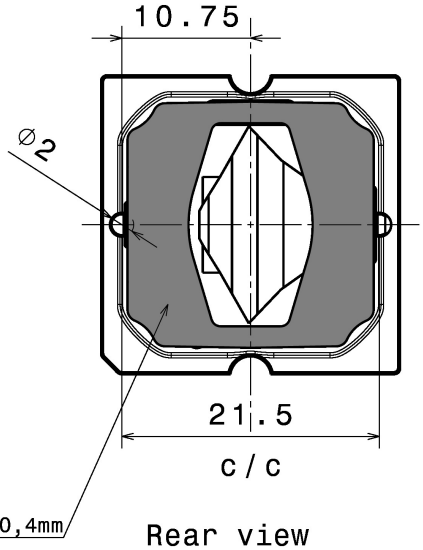

Section view A-A
Scale: 2:1



Isometric view
Scale: 1:1




Front view
Scale: 2:1




Rear view
Scale: 2:1

| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|---|---|---|---|---|
| 1 | C15109 | STRADA-SQ-FS3 | PMMA | |

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CA15226_STRADA-SQ-FS3



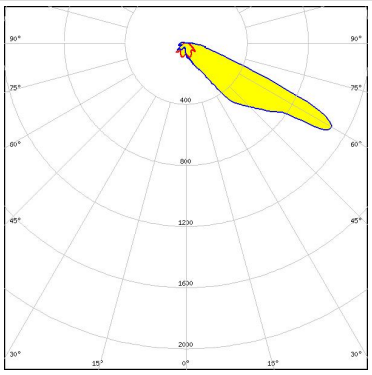
| SIZE | PART NUMBER |
|---|---|
| A4 | CA15226 |

| SCALE | WEIGHT | SHEET |
|---|---|---|
| 1:1 | 3,51 g | 1/1 |

## PHOTOMETRIC DATA (MEASURED):

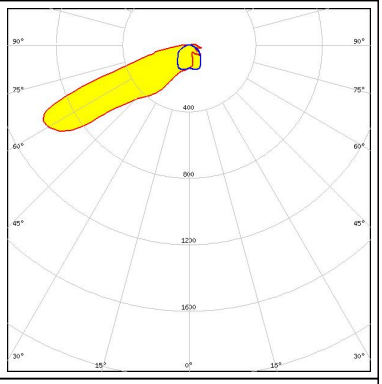
### CITIZEN

| | |
|---|---|
| LED | PSL440 |
| FWHM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 1.900 cd/lm |
| Required components: | |



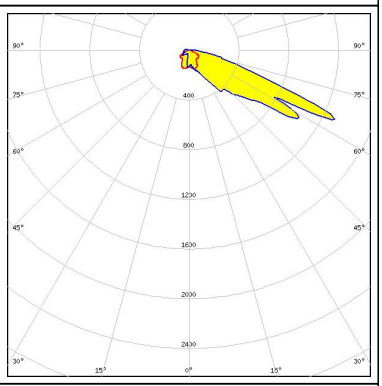
### CITIZEN

| | |
|---|---|
| LED | PSL445 |
| FWHM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 1.000 cd/lm |
| Required components: | |



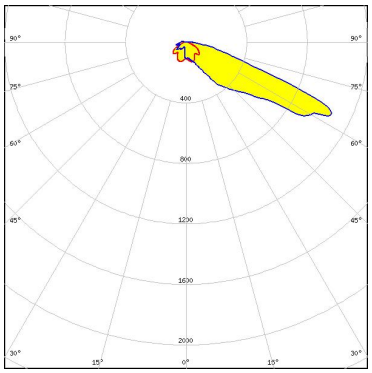
### CREE

| | |
|---|---|
| LED | MK-R |
| FWHM | 125.0° |
| Efficiency | 88 % |
| Peak intensity | 1.298 cd/lm |
| Required components: | |



### NICHIA

| | |
|---|---|
| LED | NV4x144A |
| FWHM | Asymmetric |
| Efficiency | 91 % |
| Peak intensity | 1.300 cd/lm |
| Required components: | |



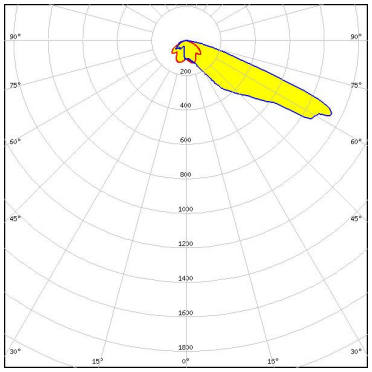
## PHOTOMETRIC DATA (MEASURED):

NICHIA

| | |
|---|---|
| LED | NV4x144A |
| FWHM | Asymmetric |
| Efficiency | 78 % |
| Peak intensity | 1.200 cd/lm |

Required components:

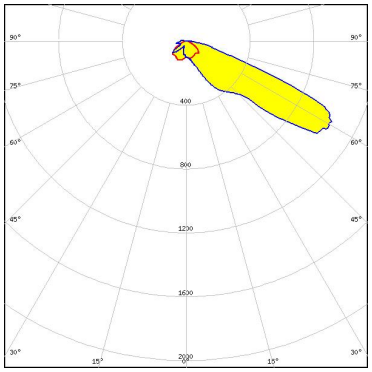
Undefined Manufacturer: Protective Plate, Glass



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | Duris S10 |
| FWHM | Asymmetric |
| Efficiency | 86 % |
| Peak intensity | 1.100 cd/lm |

Required components:



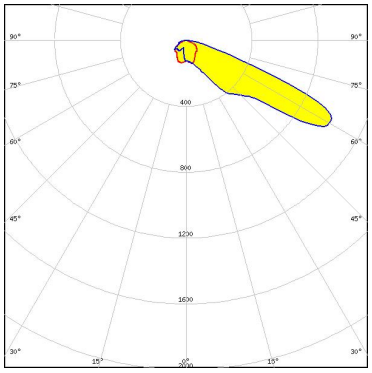
## PHOTOMETRIC DATA (SIMULATED):

CREE

| | |
|---|---|
| LED | XHP50.2 |
| FWHM | Asymmetric |
| Efficiency | 80 % |
| Peak intensity | 1.060 cd/lm |

Required components:

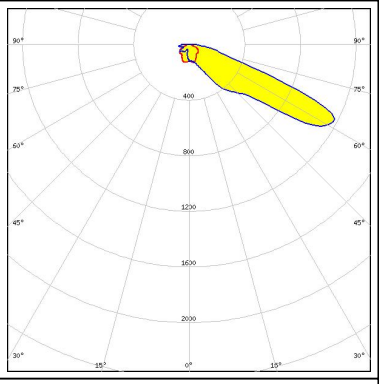
Undefined Manufacturer: Protective Plate, Glass



CREE

| | |
|---|---|
| LED | XHP50.2 |
| FWHM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 1.210 cd/lm |

Required components:

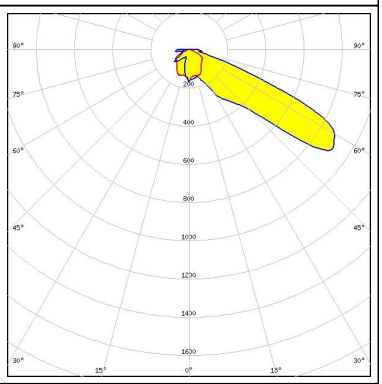


CREE

| | |
|---|---|
| LED | XHP70 |
| FWHM | Asymmetric |
| Efficiency | 77 % |
| Peak intensity | 0.910 cd/lm |

Required components:

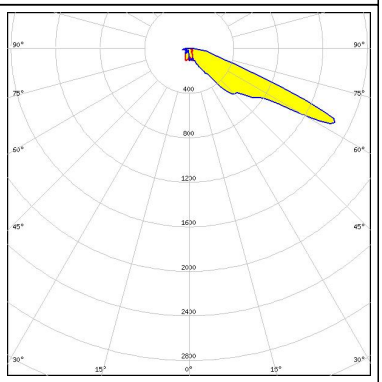
Undefined Manufacturer: Protective Plate, Glass



CREE

| | |
|---|---|
| LED | XM-L2 |
| FWHM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 2.000 cd/lm |

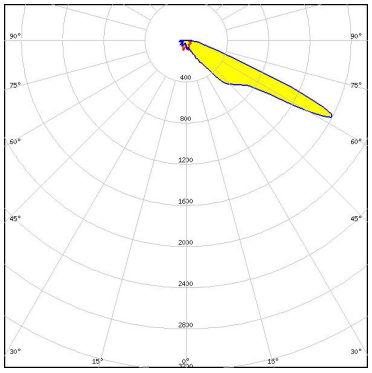
Required components:



## PHOTOMETRIC DATA (SIMULATED):

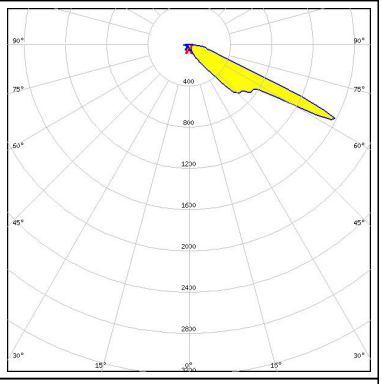
CREE

| | |
|---|---|
| LED | XP-G3 |
| FWHM | Asymmetric |
| Efficiency | 90 % |
| Peak intensity | 1.730 cd/lm |
| Required components: | |



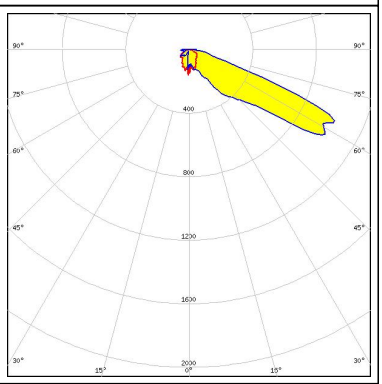
CREE

| | |
|---|---|
| LED | XT-E |
| FWHM | Asymmetric |
| Efficiency | 87 % |
| Peak intensity | 2.500 cd/lm |
| Required components: | |



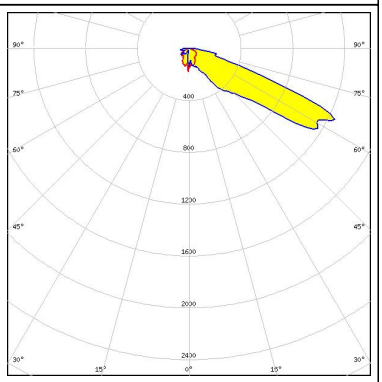
LUMILEDS

| | |
|---|---|
| LED | LUXEON M/MX |
| FWHM | Asymmetric |
| Efficiency | 73 % |
| Peak intensity | 1.100 cd/lm |
| Required components: | |



LUMILEDS

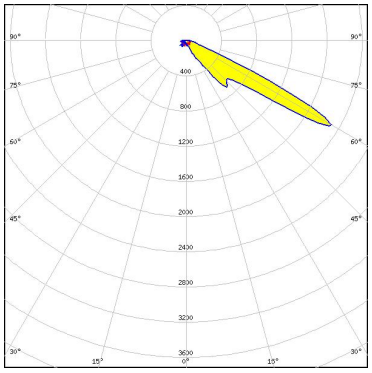
| | |
|---|---|
| LED | LUXEON M/MX |
| FWHM | Asymmetric |
| Efficiency | 85 % |
| Peak intensity | 1.300 cd/lm |
| Required components: | |



## PHOTOMETRIC DATA (SIMULATED):

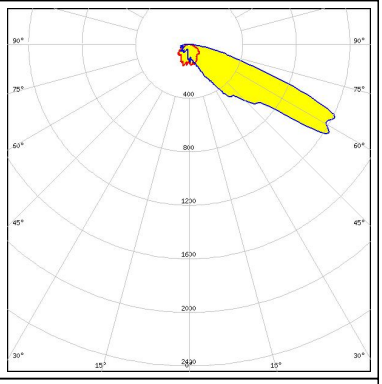
NICHIA

| | |
|---|---|
| LED | NVSxE21A |
| FWHM | Asymmetric |
| Efficiency | 89 % |
| Peak intensity | 2.100 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

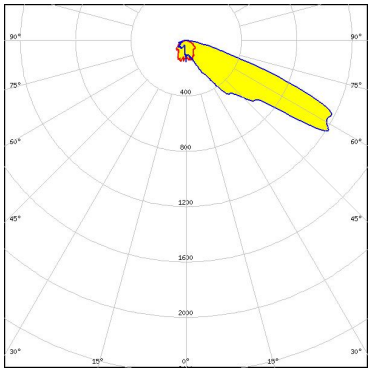
| | |
|---|---|
| LED | OSCONIQ P 7070 |
| FWHM | Asymmetric |
| Efficiency | 94 % |
| Peak intensity | 1.420 cd/lm |
| Required components: | |



OSRAM
Opto Semiconductors

| | |
|---|---|
| LED | OSCONIQ P 7070 |
| FWHM | Asymmetric |
| Efficiency | 85 % |
| Peak intensity | 1.370 cd/lm |
| Required components: | |

Undefined Manufacturer: Protective Plate, Glass



## 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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