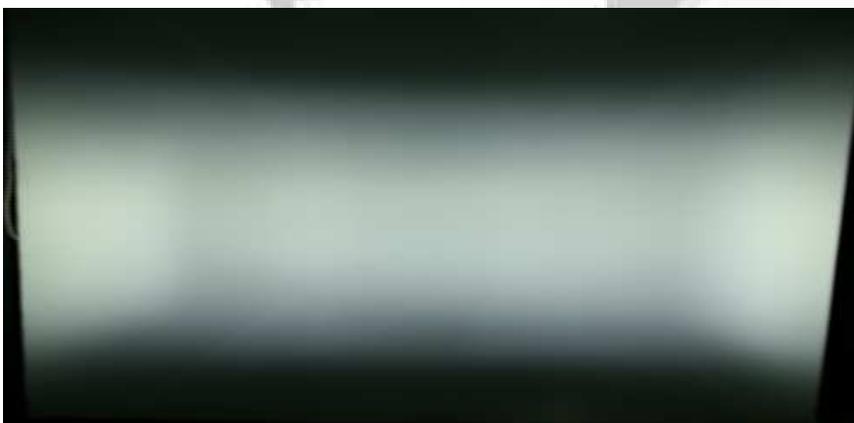# STRADA-A-XP LENSES FOR CREE XP-E LEDs

- Specially designed for Cree XP-E series of LEDs.
- New extremely wide street light design, vertically wider version coming soon.
- With the result of an extremely creative design lens itself tilts automatically light 4 degrees.
- Special care taken to make a uniform white or warm white illumination.
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions.
- Best available optical efficiency, approximately 94%.
- Fastening to heat sink with or without PU foam adhesive tape of automotive grade, please select which suits the best for your needs.
- We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the tape.
- Please check fastening details from this link: (http://www.ledil.com/datasheets/DataSheet_TAPE.pdf)

## LENS TYPES

| NAME | ORDERING CODE | FWHM Angle |
|------|---------------|------------|
| Strada-A-XP | C10818_Strada-A-XP | ±42° & ±62° x ±10° |
| Strada-A-XP-TAPE | CA10823_Strada-A-XP-tape | ±42° & ±62° x ±10° |

# MEASUREMENT DATA

### Relative Intensity of Strada-A-XP



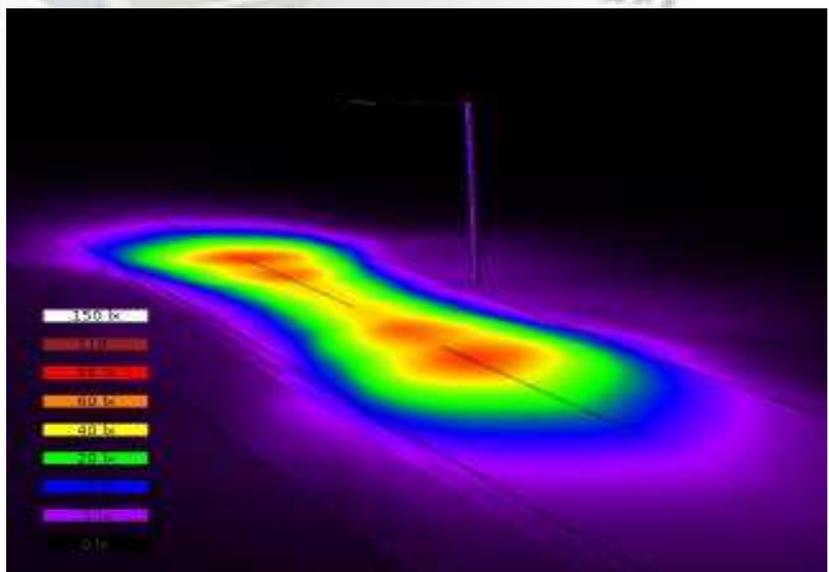| | | |
|---|---|---|
| —— C10818_Strada (horizontal) | —— C10818_Strada (vertical) | |
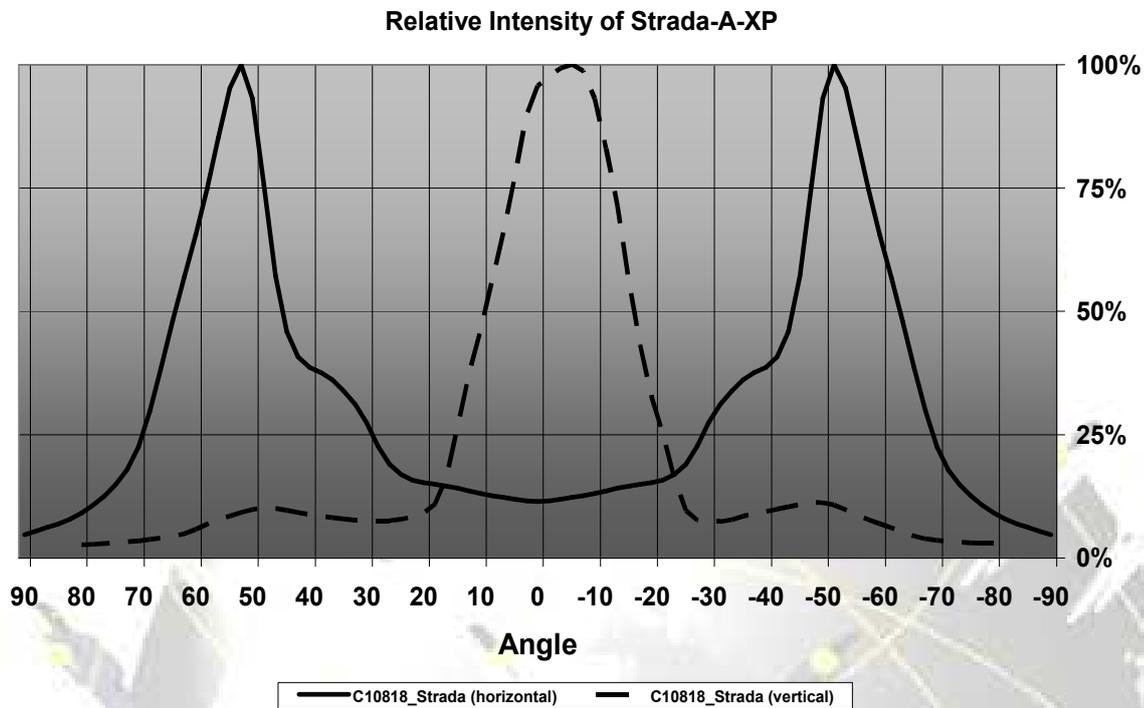
Example configuration (not optimized)

Strada-A-XP

Pole distance: 15m / and single
Height above the street: 6m
Position of the lamp from the side of the road: 2.2m
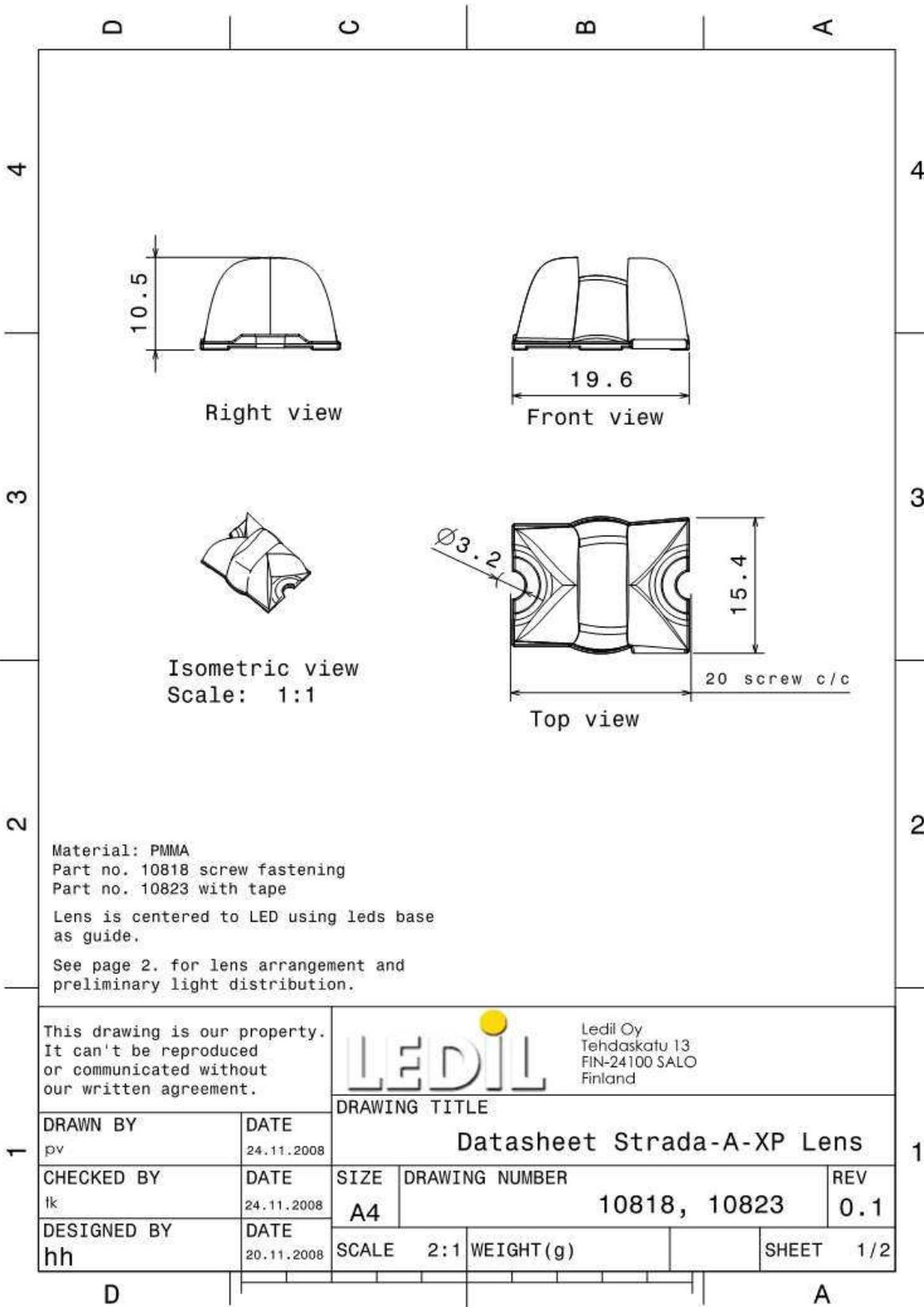Tilt angle of the lamp: 10

100x Cree XP's per lamp
55lm 0.8W (3.2V/250mA)

Lenght: 0.7m
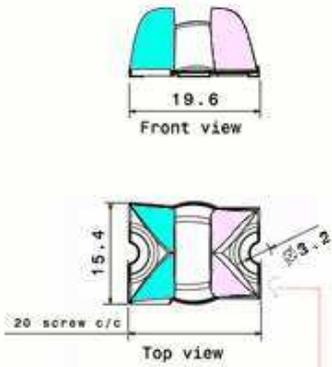Width:  0.3m
Rows: 5
LED's per row: 20

Right view

10.5

Front view

19.6

Isometric view
Scale: 1:1

Top view

Ø3.2

15.4

20 screw c/c

Material: PMMA
Part no. 10818 screw fastening
Part no. 10823 with tape

Lens is centered to LED using leds base
as guide.

See page 2. for lens arrangement and
preliminary light distribution.

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our written agreement.

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Strada-A-XP Lens

| DRAWN BY | DATE | | | | | |
|---|---|---|---|---|---|---|
| pv | 24.11.2008 | | | | | |
| CHECKED BY | DATE | SIZE | DRAWING NUMBER | | | REV |
| tk | 24.11.2008 | A4 | 10818, 10823 | | | 0.1 |
| DESIGNED BY | DATE | SCALE | 2:1 | WEIGHT(g) | | SHEET 1/2 |
| hh | 20.11.2008 | | | | | |

19.6
Front view

15.4
Ø3.2
20 screw c/c
Top view

to tilt the light correctly to street,
put the narrower side against the
end side of the street



150 lx



20
20
20
35
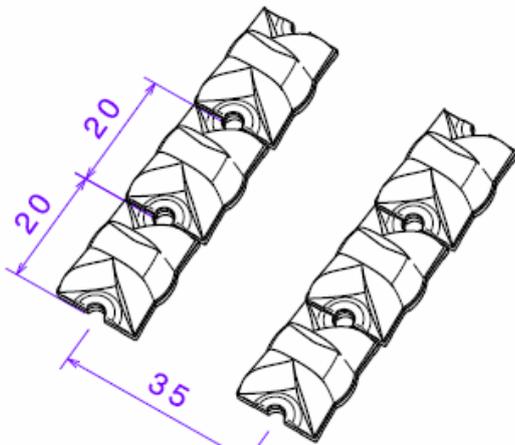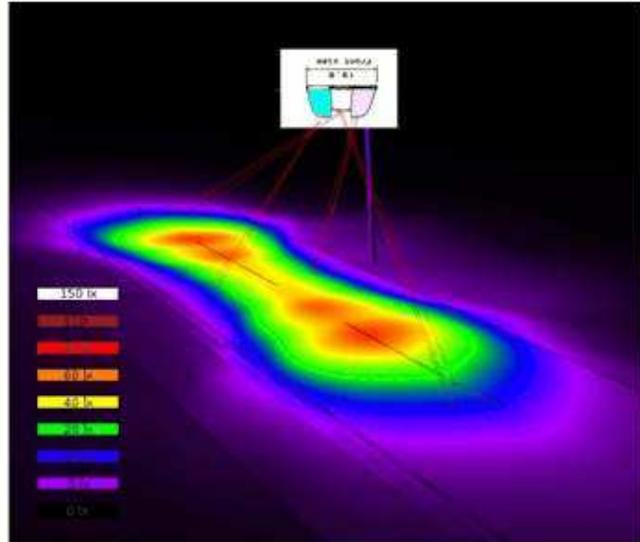
Isometric view,
recommended lens arrangement



C0-C180
C90-C270
cd/1000lm
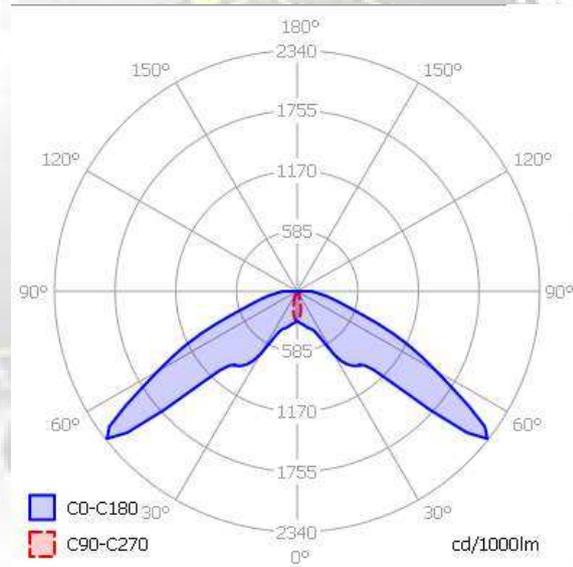
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