

## STRADA-2X2-CAT-B – Precise catenary lighting



Wire suspended luminaires - especially in the older cities – are usually on places with heavy and mixed traffic. These special conditions require exact care and functionality from the lighting. LEDiL's new STRADA-2X2-CAT-B is a reformed version for these applications. STRADA-2X2-CAT-B delivers a narrow and low glare beam with an excellent cutoff. The modified structure from the TATIANA optics (designed for Russian roads) ensures that it is also compatible with 15-degree boom angle poles.

- » Symmetrical narrow elliptical beam, optimized for catenary lighting
- » Excellent cutoff and low glare (IESNA Full-cutoff luminaires possible)
- » Part of LEDiL's STRADA-2X2 modules for future-proof designs

### FEATURES

- Narrower beam than with STRADA-2X2-CAT
- Optical design identical to Tatiana lens
- Can also be used with poles that have 15-degree boom angle
- Good illuminance and luminance uniformity

### TYPICAL APPLICATIONS

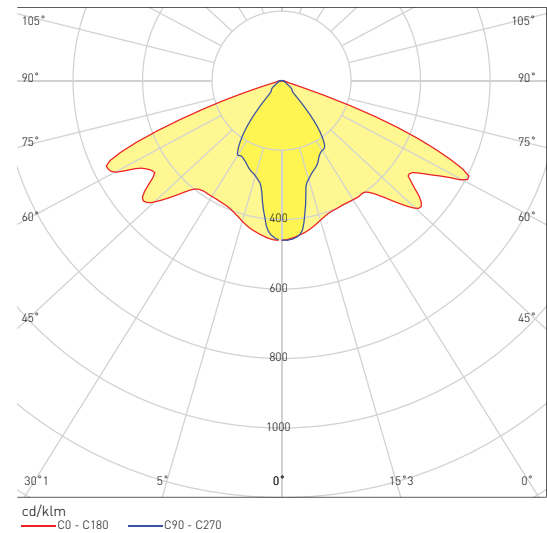
- Catenary luminaires
- Street lighting with arm inclination (boom angle ~15deg)
- Tunnel lighting

## TECHNICAL SPECIFICATIONS

- Dimensions: 50 x 50 mm
- Height: mm
- Typical efficiency: 94%
- Precision-molded from optical grade PMMA – UL94 HB rated material with operating rating -40°C to +80°C

### COMPATIBILITY

- Optimized for the latest 3535 size high power LEDs



## DESIGN EXAMPLE

### ME3a Street lighting with STRADA-2X2-CAT-B

- Luminous flux 2 615 lm
- Pole height 6.5 m
- Pole spacing 17 m
- Road width 3 m
- Overhang 1.5 m
- Boom angle 0°
- u0 0.75

| $L_{av}$ [cd/m <sup>2</sup> ] | U0    | UI    | TI [%] | SR    |
|-------------------------------|-------|-------|--------|-------|
| 1.04                          | 0.75  | 0.71  | 4      | 0,69  |
| ≥1.00                         | ≥0.40 | ≥0.70 | ≤15    | ≥0.50 |
| ✓                             | ✓     | ✓     | ✓      | ✓     |



### ORDERING INFORMATION

C15217\_STRADA-2X2-CAT-B

Consult [www.ledil.com](http://www.ledil.com) for ordering codes and latest product specifications, which may vary by LED.