



STANDARD RANGE

Street lighting solutions –
AVIKA

September, 2022

AVIKA: presentation

Discover our solution for street-lighting : AVIKA
This range is composed of three references with their mask for better light control.



AVIKA 2x2 5050 T3S



AVIKA 2x2 5050 T2S



AVIKA 2x2 5050 T3M



AVIKA 2x2 5050 T3S M



AVIKA 2x2 5050 T2S M



AVIKA 2x2 5050 T3M M

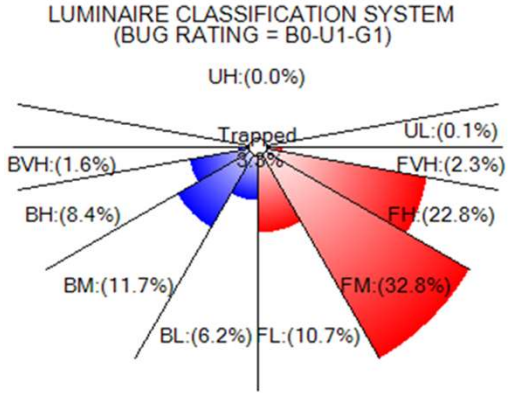
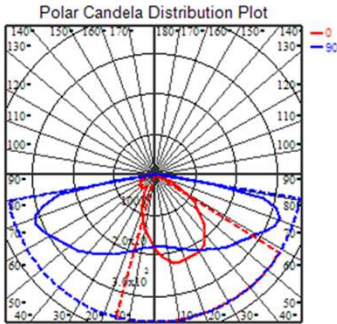
AVIKA specifications

LES size: 5mm x 5 mm max without dome / 2mm² with dome ; optimized for Lumileds 5050 and XP-G3

Type of LED: High Power & Midpower



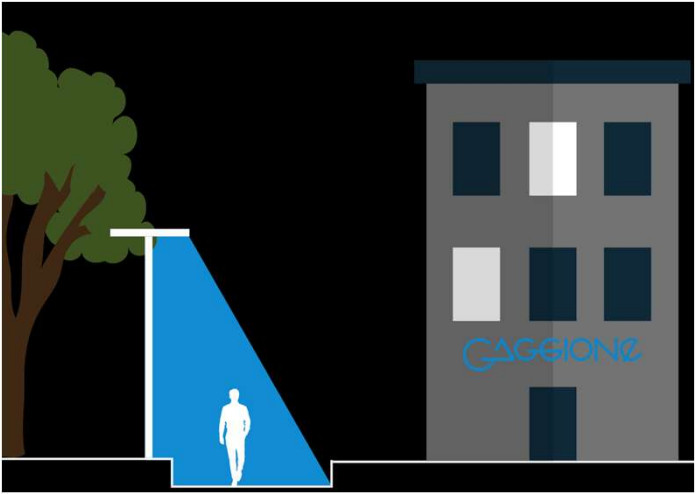
AVIKA 2x2 5050 T3S



Applications: Residential, bicycle and emergency roads.
Where to use: Roads where road width is the same or shorter than pole height. **MH to distance ratio 1:4-6**
IESNA: Type III Short (P and M classified roads)
Mask: Ideally to be used when luminaire is installed next to the building or lower glare or backlight control is required

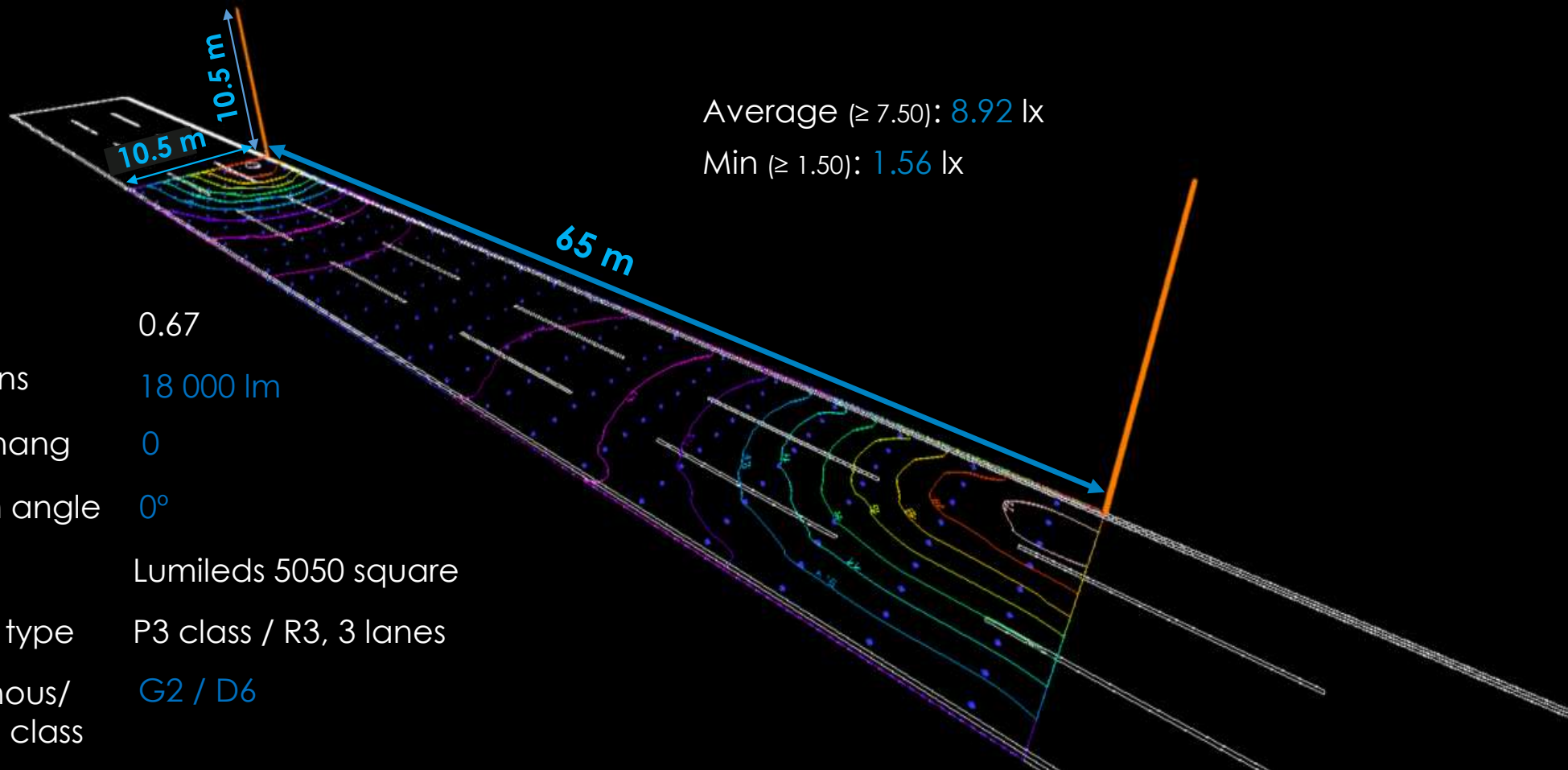
LED Compatibility

| AVIKA 2X2 5050 T3S | 5050 Universal Type III Short | 3030/3535 HP Universal Type III Long |
|--------------------|----------------------------------|---|
| | | |



** IESNA Type defined and simulated as in typical luminaire with protective glass

AVIKA 2x2 5050 T3S



Average (≥ 7.50): 8.92 lx

Min (≥ 1.50): 1.56 lx

| | |
|--------------------------|------------------------|
| MF | 0.67 |
| Lumens | 18 000 lm |
| Overhang | 0 |
| Boom angle | 0° |
| LED | Lumileds 5050 square |
| Road type | P3 class / R3, 3 lanes |
| Luminous/ Glare class | G2 / D6 |

AVIKA 2X2 5050 T2S

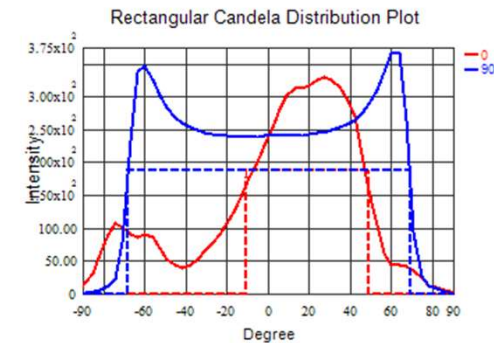
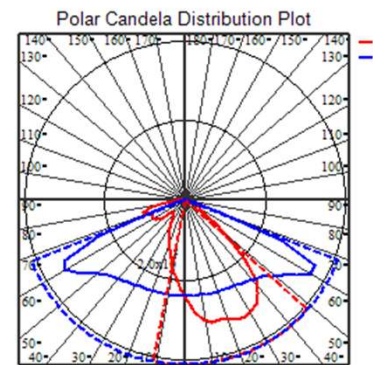


Applications: Universal design for residential and suburban streets with lower glare

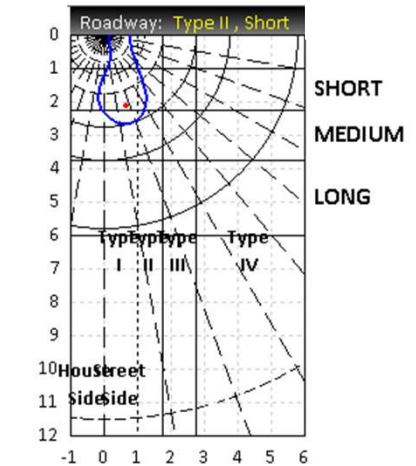
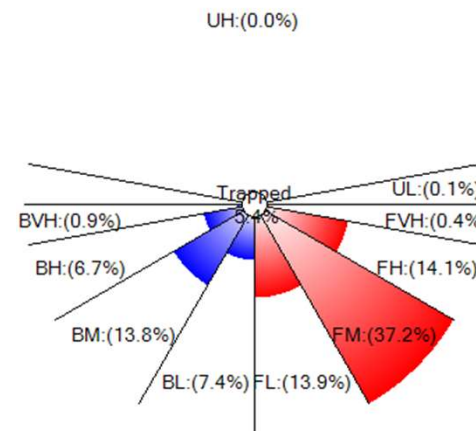
Where to use: Roads where road width is the same or shorter than pole height. **MH to distance ratio 1: 3-4**

IESNA: Type II Short (P and M3/4 classified roads)

Mask: Ideally to be used when luminaire is installed next to the building or lower glare or backlight control is required



LUMINAIRE CLASSIFICATION SYSTEM
(BUG RATING = B0-U1-G0)



LED Compatibility

| | 5050 Universal | 3030/3535 HP Universal |
|--------------------|----------------|------------------------|
| AVIKA 2X2 5050 T2S | Type II Short | Type II Medium |

** IESNA Type defined and simulated as in typical luminaire with protective glass

AVIKA 2x2 5050 T3M

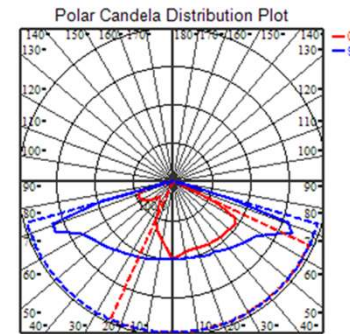


Application: Areas with Intense vehicle traffic: highways, urban, suburban areas

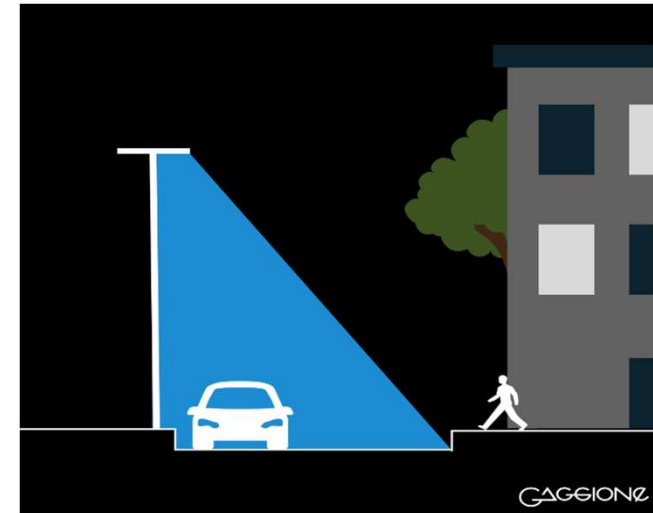
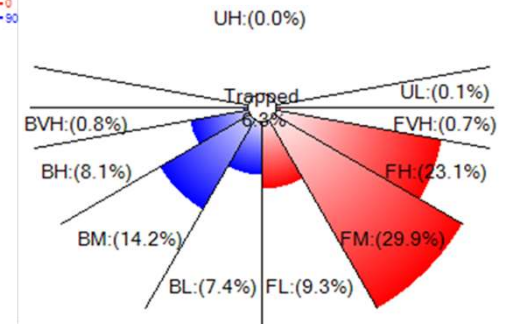
Where to use: Roads with multiple lanes, and where road width is the same or wider than pole height.
MH to **distance ratio up to 1:4**

IESNA: Type III Medium (M3/4 classified roads)

Mask: Ideally to be used when luminaire is installed next to the building or lower glare or backlight control is required



LUMINAIRE CLASSIFICATION SYSTEM
(BUG RATING = B0-U1-G0)



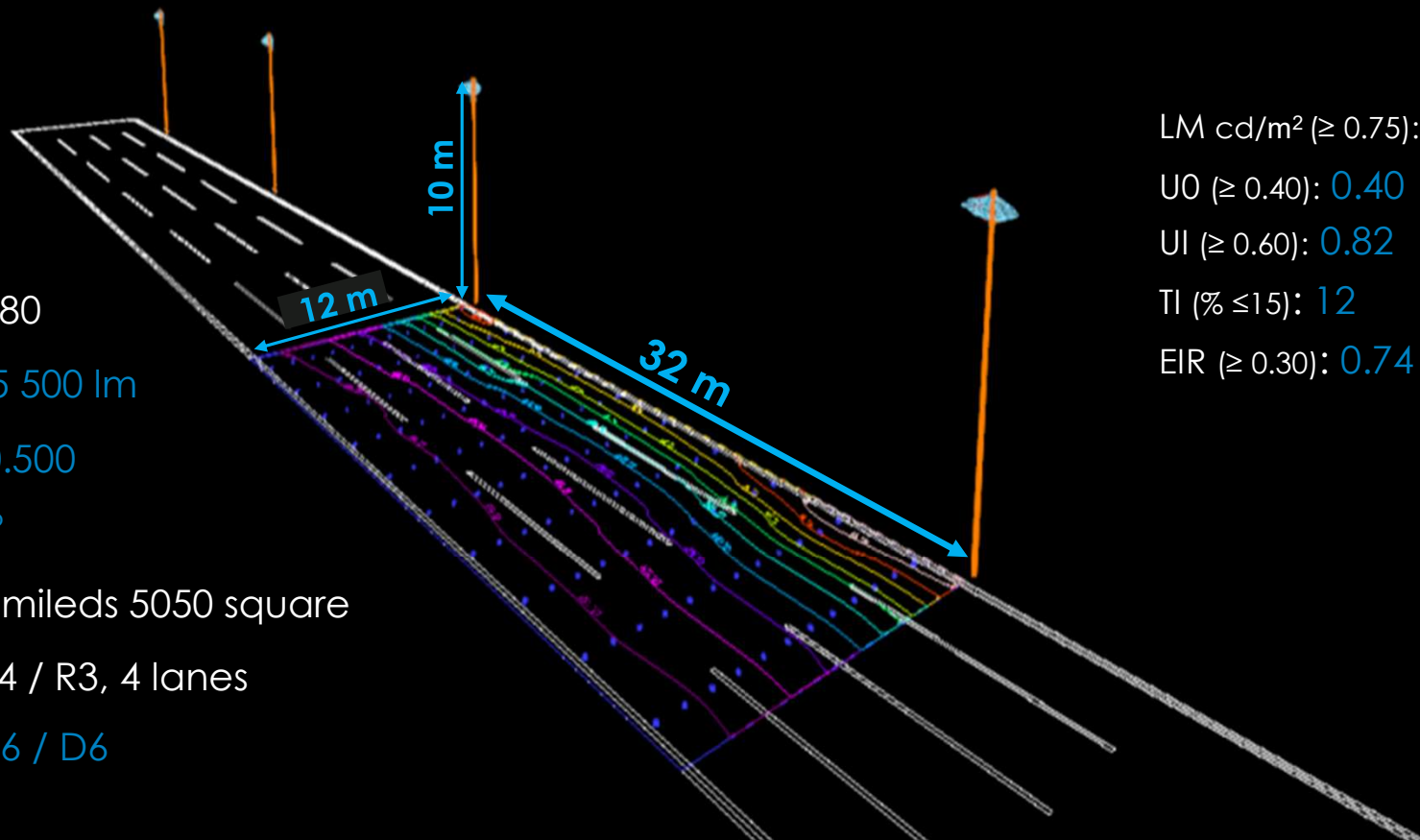
LED Compatibility

| | 5050 Universal | 3030/3535 HP Universal |
|--------------------|-----------------|------------------------|
| AVIKA 2X2 5050 T3M | Type III Medium | Type III Medium |

** IESNA Type defined and simulated as in typical luminaire with protective glass

AVIKA 2X2 5050 T3M

| | |
|------------------------|----------------------|
| MF | 0.80 |
| Lumens | 15 500 lm |
| Overhang | -0.500 |
| Boom angle: | 0° |
| LED | Lumileds 5050 square |
| Road type | M4 / R3, 4 lanes |
| Luminous & Glare class | G6 / D6 |



LM cd/m^2 (≥ 0.75): 0.78

U0 (≥ 0.40): 0.40

UI (≥ 0.60): 0.82

TI ($\% \leq 15$): 12

EIR (≥ 0.30): 0.74

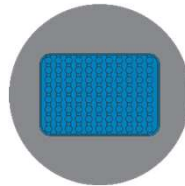
AVIKA: Mask Compatibilities

Optical component : AVIKA* + Mask : AVIKA*M

| Optical component | Mask |
|--------------------|----------------------|
| AVIKA 2x2 5050 T3S | AVIKA 2x2 5050 T3S M |
| AVIKA 2x2 5050 T2S | AVIKA 2x2 5050 T2S M |
| AVIKA 2x2 5050 T3M | AVIKA 2x2 5050 T3M M |

AVIKA: Packaging

AVIKA**



4 layers of 150 pieces
individually packed



600 parts
Box: 340x320x260mm
Weight: 6 kg

Code form standard range

LENS

OPTICAL

01: 16 mm
 02: 16 mm
 12: 16 mm
 22: 16 mm RGBW
 05: 32 mm
 15: 32 mm
 25: 32 mm RGBW
 07: 35 mm
 45: 45 mm UFO or VEGA
 49: 45 mm RGBW
 59: 45 mm RGBW gen 2
 56: 67mm in PMMA
 66: 67 mm in silicone
 76: 67mm in silicone
 67: 67 mm UFO

PRODUCT

LLC: Collimator
 LLH: Holder
 LLL: Linear collimator
 LLR: Reflector
 LLS: Set
 UFO: Ultra Flat Optic
 VEGA : 45mm COB oriented
 AVIKA : Street Lighting

BEAM ANGLE

U/R/RF/UF: Ultra Narrow
 N/NF: Narrow
 M: Medium
 W: Wide
 X: Extra large
 S: Super large
 L: Large
 V: Very large
 E: Elliptical
 Z: Zoom

MATERIAL

0 or nothing : PMMA
 1: PC
 2: PC anti-UV
 7: Silicone

LLS01W01ABC001

ABC: Holder type according to LED package

COLORS & DECORS

0: Translucent
 1: White
 2: Black

ADHESIVE OPTION

1: Yes
 Nothing: No

VERSION

TYPE

1: 16mm
 2: 32mm
 3: 3x16mm
 4: 4x16mm
 9: 45mm

HOLDER

Contact us

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