

# VOLTANA 2

## 5162

Optic	5162
Protector	Flat glass
Source	16 LG Innotek 3535 G4L
Matrix	389092



## Characteristics

518	240	109	4.6	IP 66	IK 08	I EU, II EU	0.019
Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Tightness level*	Impact resistance*	Electrical class*	CxS (m²)

\* According to IEC-EN60598 and IEC-EN62262

## Features

Entry Level cost-effective luminaire family

- Cost-effective and efficient lighting solution for a fast return on investment
- LensoFlex@2 photometric engine with photometry adapted to various applications
- 5 sizes for flexibility
- Designed to incorporate Owllet control and sensor solutions
- ThermiX@: withstands high temperatures (Ta 50°C)
- Mounting : side entry (42-60 mm) with inclination steps -10° to +5°
- Surge protection 10kV (optional)

## Types of application

- Square and park
- Bridge
- Park
- Roundabout
- Car park
- Road and highway
- Residential road
- Bike path
- Urban road

## Information for 1000 lm matrix

Efficacy (%)	82.5	G Class (EN 13201-2)	G3	Aperture 90-270°	X - X
DLOR (%)	82.5	G* (EN 13201 2015)	G*3	I 70-80-90-95 (cd)	725 - 55 - X - X
ULOR (%)	0.0	Imax (cd)	729		
UWLR (%)	0.0	Aperture 0-180°	64 - 64		

## Photometrical characteristics

LED count	Colour code	Colour name	CCT	CRI	Current (mA)	Luminaire power (W)	Source flux (lm)	Luminaire output flux (lm)	Luminaire efficacy (lm/W)	Peak (cd)	BUG Rating	Voltage (V)
						Ambient temp = 25°						
16	NW	Neutral White	4000	70	350	19	2864	2362	124	2088	B1 U0 G1	230
16	NW	Neutral White	4000	70	500	27	3981	3284	122	2902	B1 U0 G1	230
16	NW	Neutral White	4000	70	700	38	5356	4418	116	3904	B1 U0 G1	230
16	NW	Neutral White	4000	70	1000	57	7246	5977	105	5282	B2 U0 G1	230
16	WW	Warm White	3000	80	350	19	2512	2072	109	1831	B1 U0 G1	230
16	WW	Warm White	3000	80	500	27	3492	2880	107	2545	B1 U0 G1	230
16	WW	Warm White	3000	80	700	38	4697	3875	102	3424	B1 U0 G1	230
16	WW	Warm White	3000	80	1000	57	6355	5242	92	4632	B2 U0 G1	230

Tolerance on flux +- 7% - Tolerance on power +- 5%

## Summary

### CONCEPT

Family of 6 road LED luminaires

Recommended installation height: between 4.00 and 12.00m

For optimal heat dissipation, the driver and LED engine are in separate compartments and juxtaposed in a horizontal section

### HOUSING & FINISH

- Housing in high-pressure, die-cast aluminium, polyester powder coated
- Colour: RAL 7038

### INSTALLATION

- Luminaire can be fixed by side-entry with a clamp, suitable for 42-60mm diameter
- Built-in inclination steps: -10°, -5°, 0°, 5°
- Post-top adapter diameter 48-60mm or 76mm, tightened with 2 stainless steel screws
- Direct access to the driver compartment with screws for easy maintenance on-site

### OPTICAL UNIT

- Protected against lens degradation by 5mm thick extra-clear hardened glass
- Flatbed PCB with acrylic lens overlay principle
- Various photometric distributions: from narrow road to motorway, medium and large area
- CRI > 70
- ULOR: 0%

### LED lumen depreciation

- Lifetime residual flux @ T<sub>q</sub>=25°C @ 100.000 hrs: 350mA & 500mA: 90%; 700mA: 80%; 1A: 70%

### ELECTRICAL

- Class I or Class II
- Input voltage: 120-277V - 50-60Hz
- Power factor > 90% at full load
- Surge protection: 4kV minimum (10kV + 10kA optional)
- Thermal protection on LED PCBA (see Thermix concept)

### STANDARDS & CERTIFICATIONS

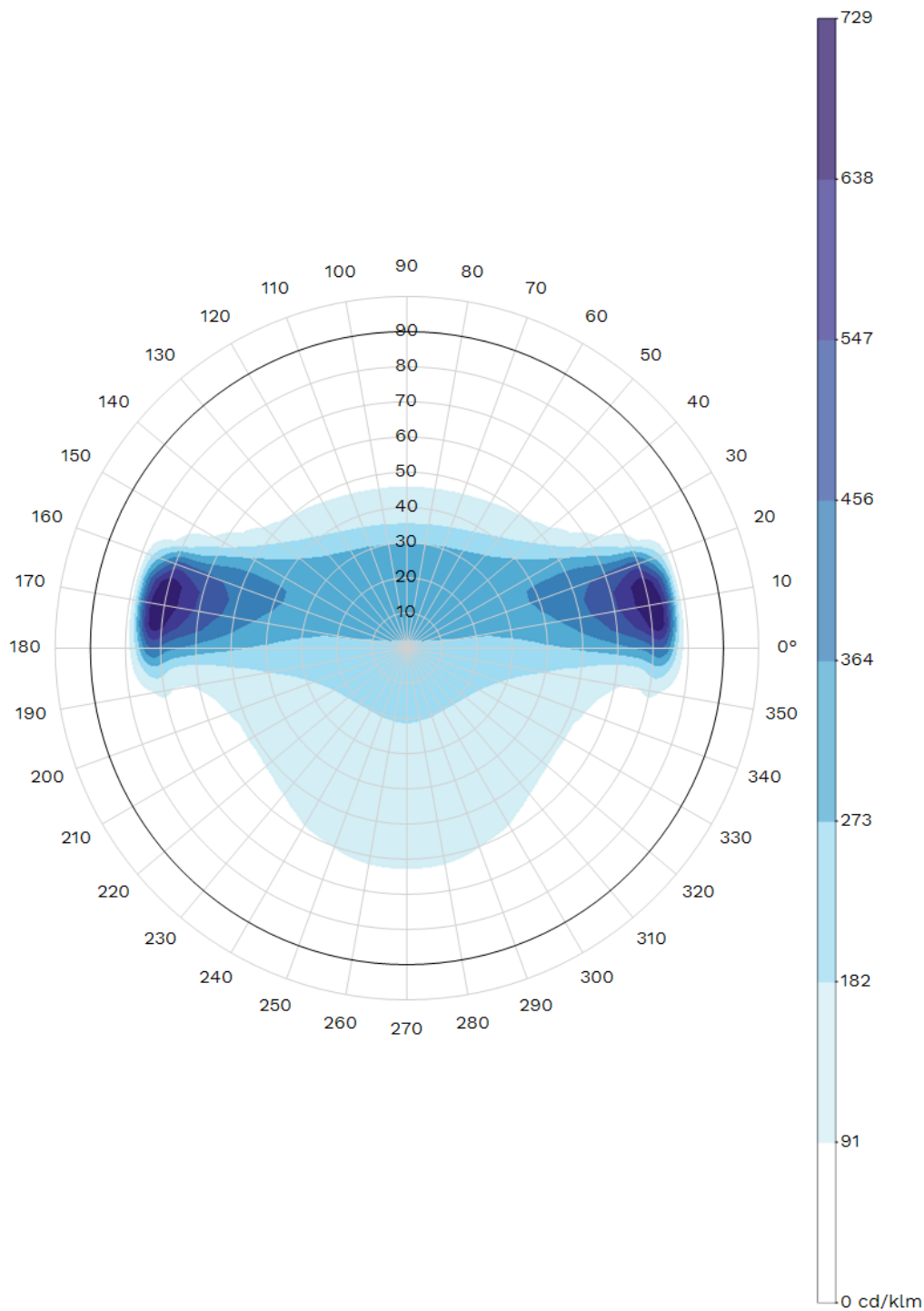
- CE
- ENEC
- LM79-80
- ROHS
- Certified for 3G vibration
- All measurements in ISO17025 accredited laboratory

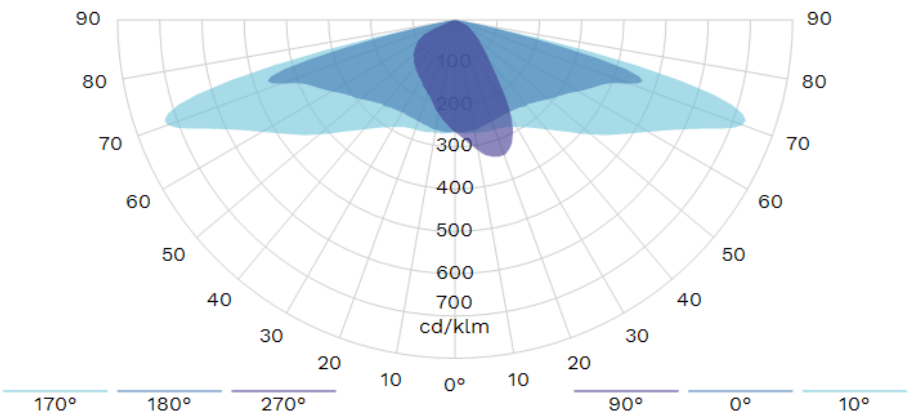
### OPTIONS

- Other RAL or AKZO colours
- Back Light control system
- OWLET remote management
- Custom dimming profile

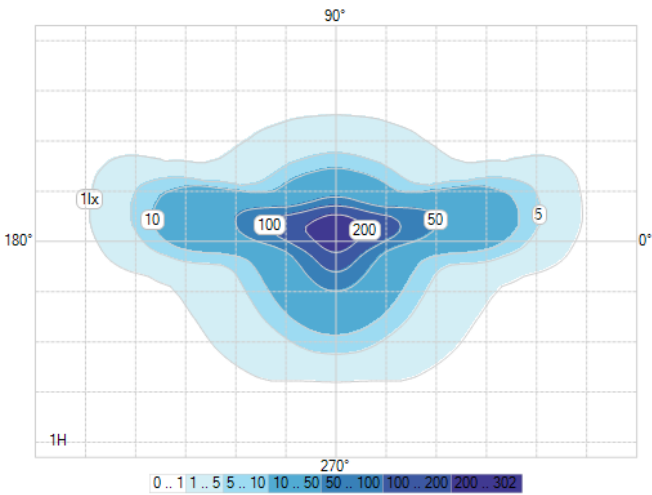
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- Photocell

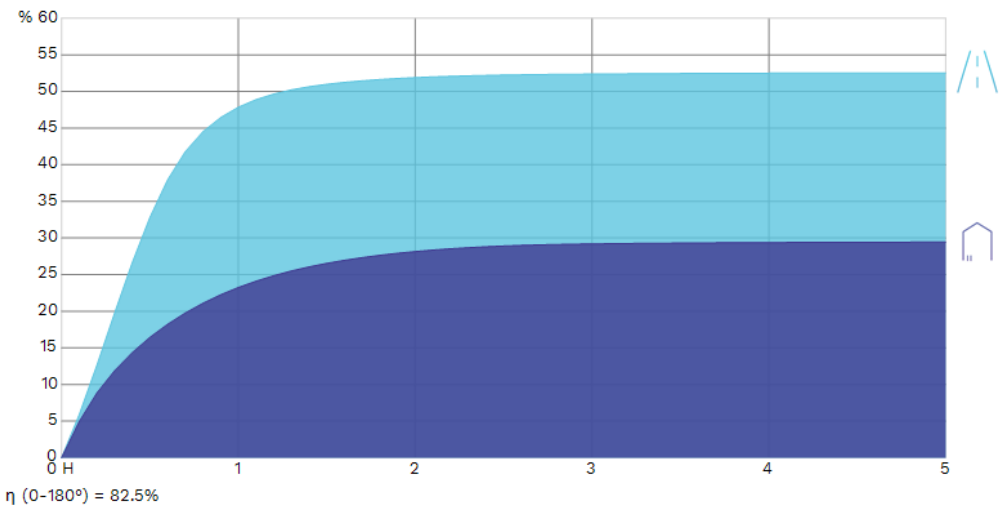


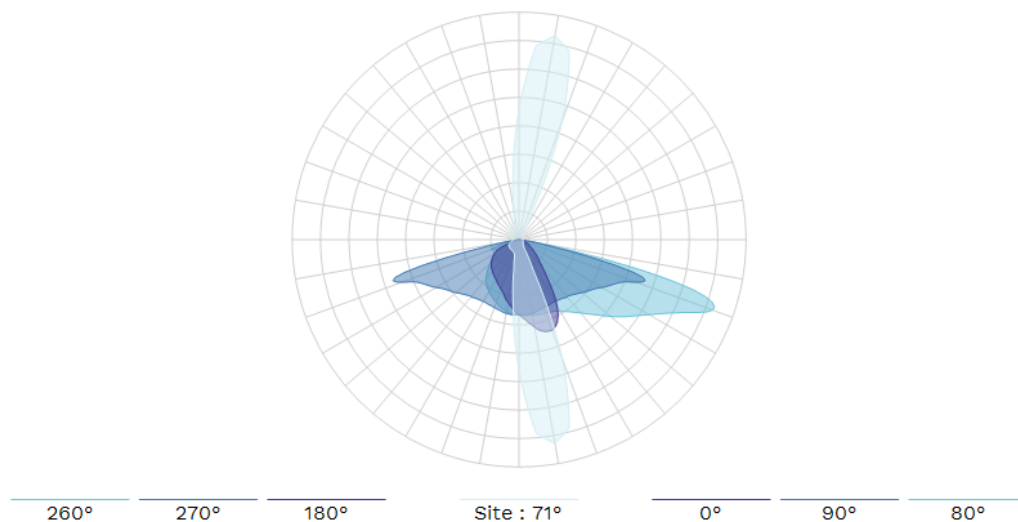
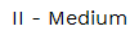


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