









# VOLTANA 0

## 5205

Optic	5205
Protector	Integrated lenses
Source	6 Samsung LH351C
Matrix	425712




### Characteristics

							
416	156	91	2.6	IP 66	IK 08	I EU	0.012
Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Tightness level*	Impact resistance*	Electrical class*	CxS (m <sup>2</sup> )

\* According to IEC-EN60598 and IEC-EN62262

### Features

The ultimate, cost-effective, performing family of luminaires that pays for itself

- Cost-effective and efficient lighting solution for a fast return on investment
- High performance with safety and comfort
- 5 sizes for flexibility
- IP 66 tightness level
- ThermiX® to withstand high temperatures
- Designed to incorporate the Owlet range of control solutions

### Types of application

- Square and park
- Roundabout
- Residential road
- Urban road

### Information for 1000 lm matrix

Efficacy (%)	89.5	G Class (EN 13201-2)	G3	I 70-80-90-95 (cd)	754 - 9 - X - X
DLOR (%)	89.5	G* (EN 13201 2015)	G*3	CIE flux code N 1→5 (%)	52.2 - 82.9 - 98.7 - 100.0 - 89.5
ULOR (%)	0.0	Imax (cd)	754	Gradient 90°	18cd
ULR (%)	0.0	Aperture 0-180°	27 - 27	Gradient 270°	8cd
Incl ULR 4%	-45/45°	Aperture 90-270°	7 - X		

## Photometrical characteristics

LED count	Colour code	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°									
6	NW 740	350	8	1140	1021	128	860	B1 U0 G0	230
6	NW 740	500	11	1572	1407	128	1185	B1 U0 G0	230
6	NW 740	700	15	2104	1884	126	1587	B1 U0 G0	230
6	NW 740	1000	22	2793	2500	114	2106	B1 U0 G1	230
6	NW 740	1050	23	2896	2592	113	2183	B1 U0 G1	230
6	WW 730	350	8	1080	967	121	814	B1 U0 G0	230
6	WW 730	500	11	1489	1333	121	1123	B1 U0 G0	230
6	WW 730	700	15	1994	1785	119	1503	B1 U0 G0	230
6	WW 730	1000	22	2646	2369	108	1995	B1 U0 G1	230
6	WW 730	1050	23	2743	2456	107	2068	B1 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 @ Tq=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

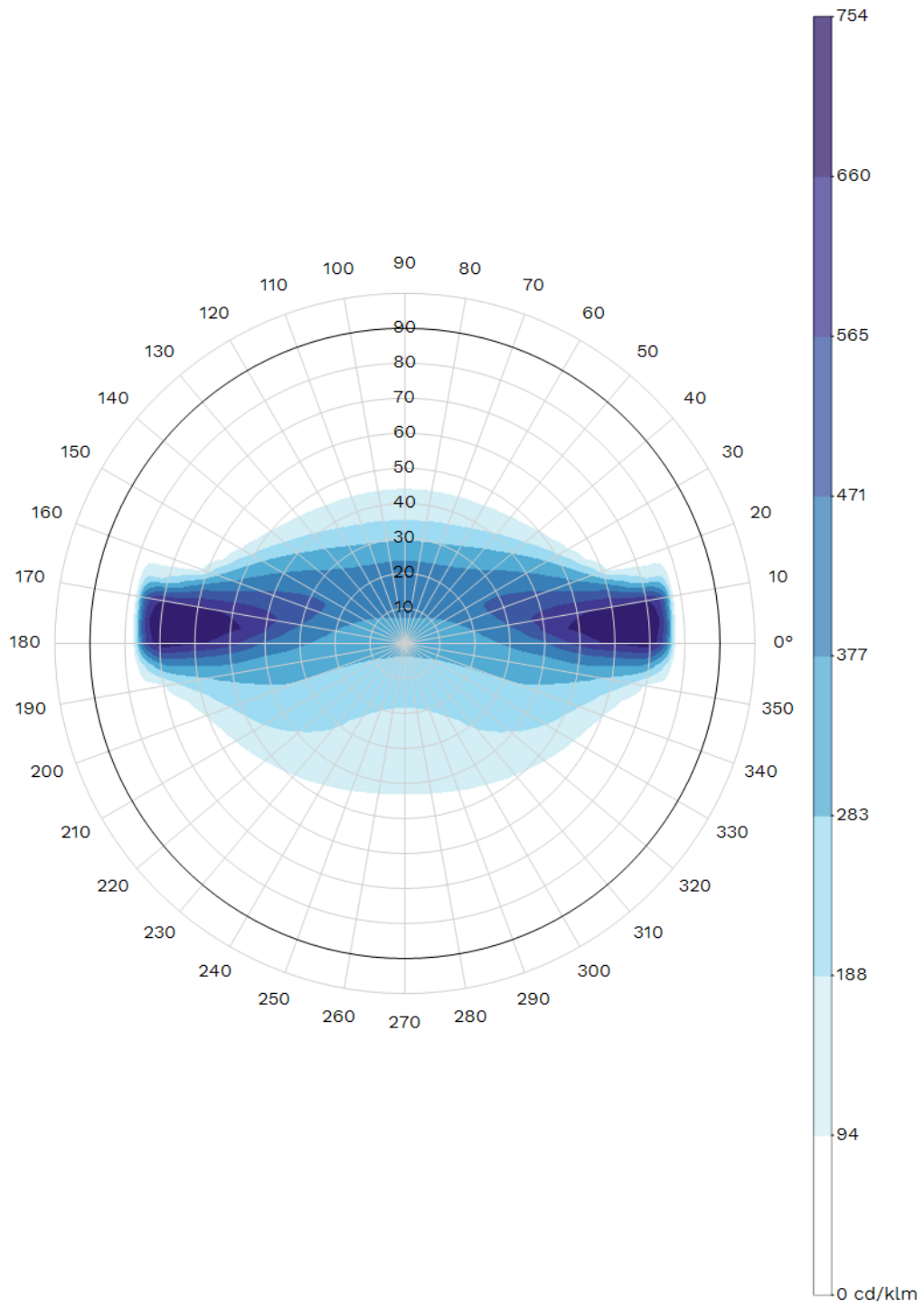
### OPTIONS

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

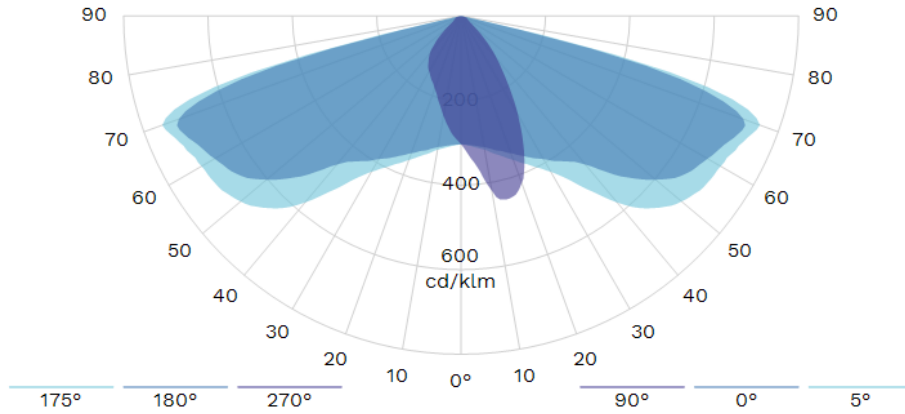
VOLTANA 0 - 5205 - 6 Samsung LH351C - Integrated lenses - 425712

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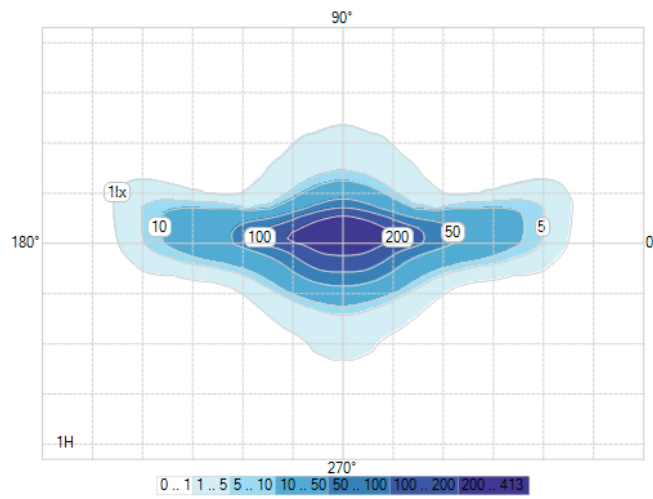
- Photocell



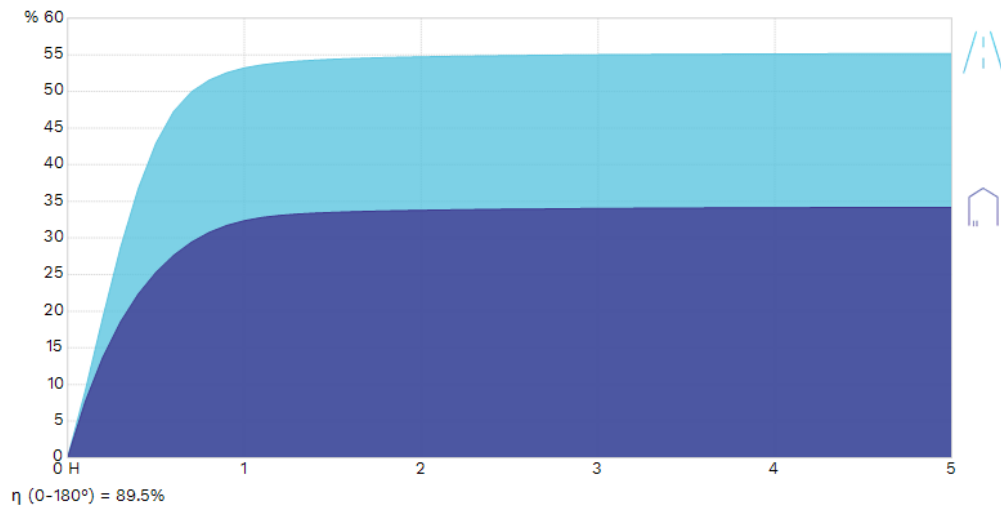
Polar/Cartesian diagram



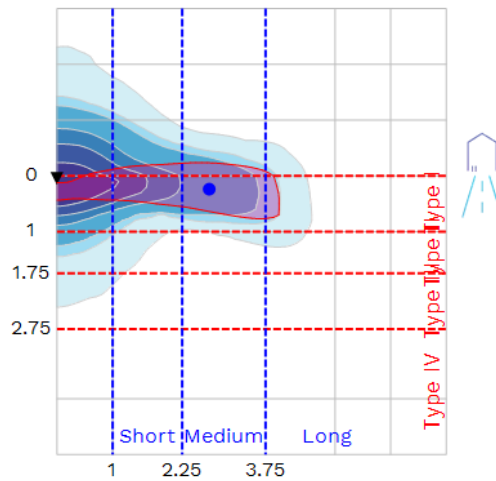
Isolux



K-Curve

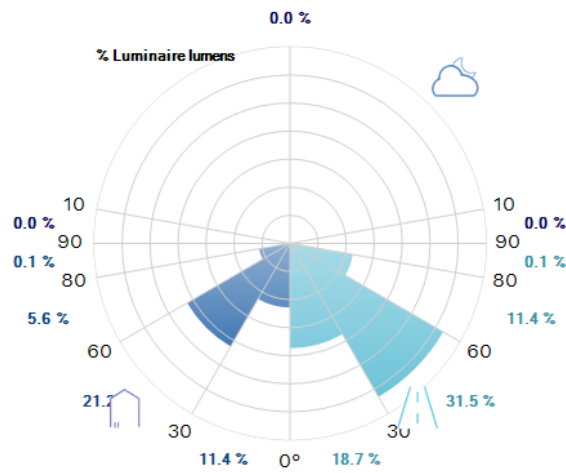


IES Roadway Classification / Nema Classification

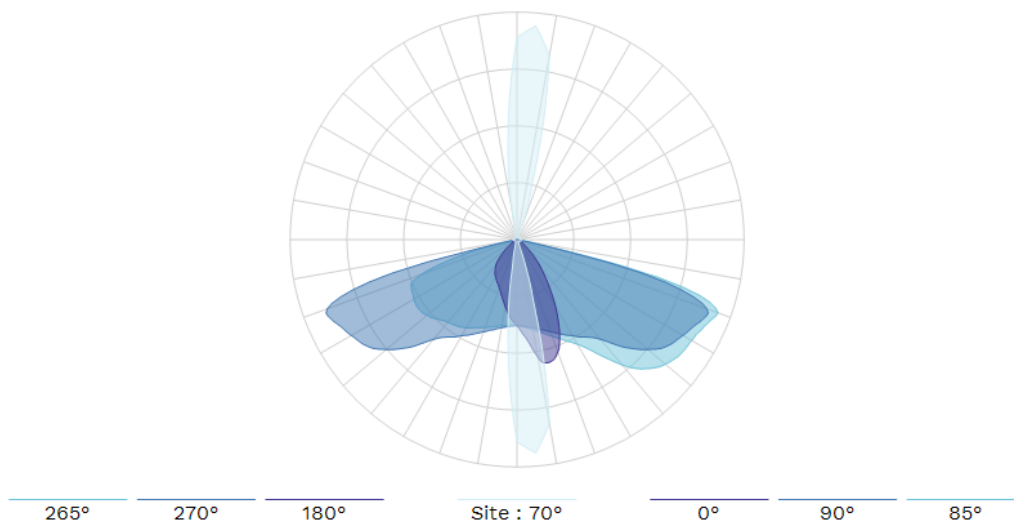


I - Medium

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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