

VOLTANA 1

5137

Optic	5137
Protector	Flat glass
Source	8 Samsung LH351C
Matrix	425202



Characteristics

501	181	87	3.5	IP 66	IK 08	I EU, II EU	0.015
Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Tightness level*	Impact resistance*	Electrical class*	CxS (m²)

* 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 (%)	85.3	G Class (EN 13201-2)	G4	I 70-80-90-95 (cd)	437 - 35 - X - X
DLOR (%)	85.3	G* (EN 13201 2015)	G*3	CIE flux code N 1→5 (%)	45.7 - 80.1 - 98.7 - 100.0 - 85.3
ULOR (%)	0.0	Imax (cd)	468	Gradient 90°	14cd
ULR (%)	0.0	Aperture 0-180°	75 - 75	Gradient 270°	6cd
Incl ULR 4%	-44/42°	Aperture 90-270°	37 - 7		

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°						
8	NW 740	350	10	1520	1297	130	711	B1 U0 G0	230
8	NW 740	500	14	2096	1789	128	980	B1 U0 G0	230
8	NW 740	700	19	2810	2398	126	1314	B1 U0 G1	230
8	NW 740	1000	29	3760	3209	111	1758	B1 U0 G1	230
8	NW 740	1050	29	3905	3332	115	1826	B1 U0 G1	230
8	NW 740	1250	37	4443	3791	102	2077	B1 U0 G1	230
8	NW 740	1400	41	4805	4100	103	2246	B1 U0 G1	230
8	WW 730	350	10	1440	1229	123	673	B1 U0 G0	230
8	WW 730	500	14	1986	1694	121	928	B1 U0 G0	230
8	WW 730	700	19	2663	2272	120	1245	B1 U0 G1	230
8	WW 730	1000	29	3563	3040	105	1666	B1 U0 G1	230
8	WW 730	1050	29	3699	3157	109	1730	B1 U0 G1	230
8	WW 730	1250	37	4209	3592	97	1968	B1 U0 G1	230
8	WW 730	1400	41	4552	3884	97	2128	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

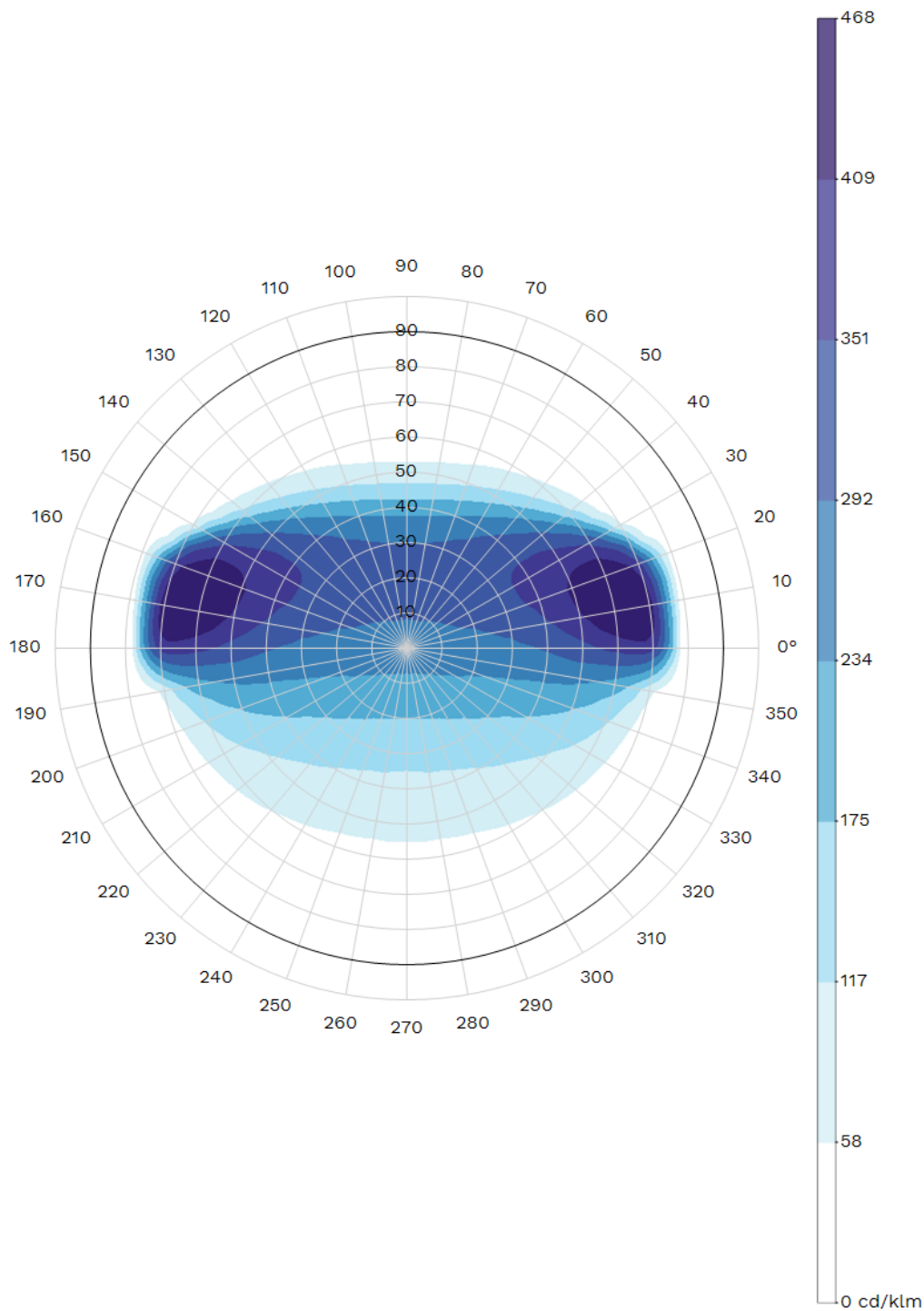
- CE
- ENEC
- LM79-80
- ROHS
- Certified for 3G vibration
- All measurements in ISO17025 accredited laboratory

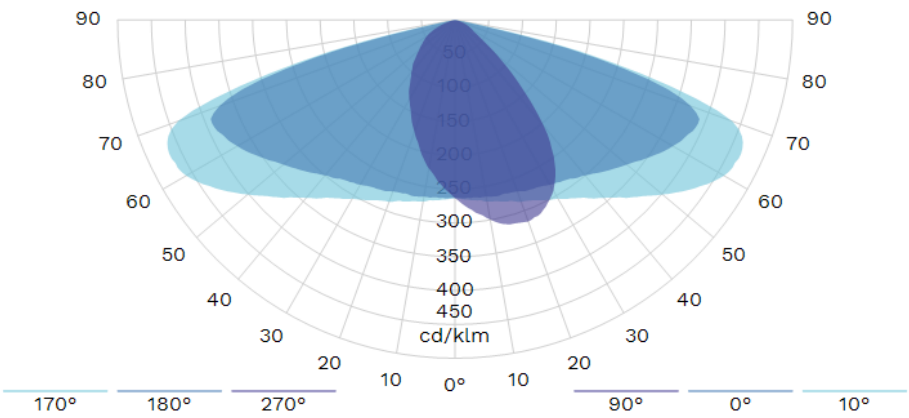
OPTIONS

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

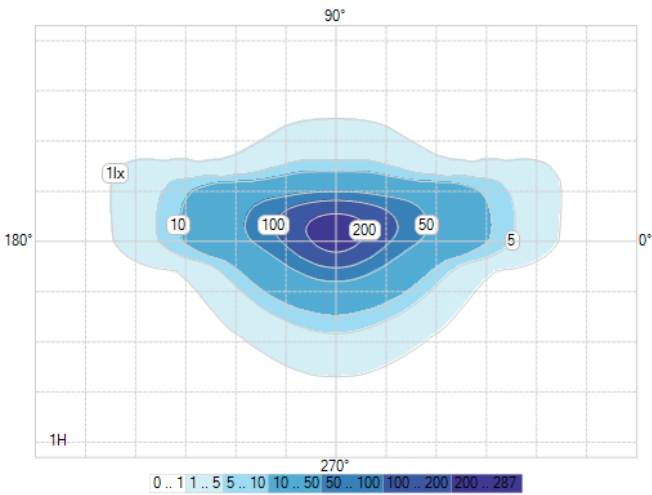
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- Photocell

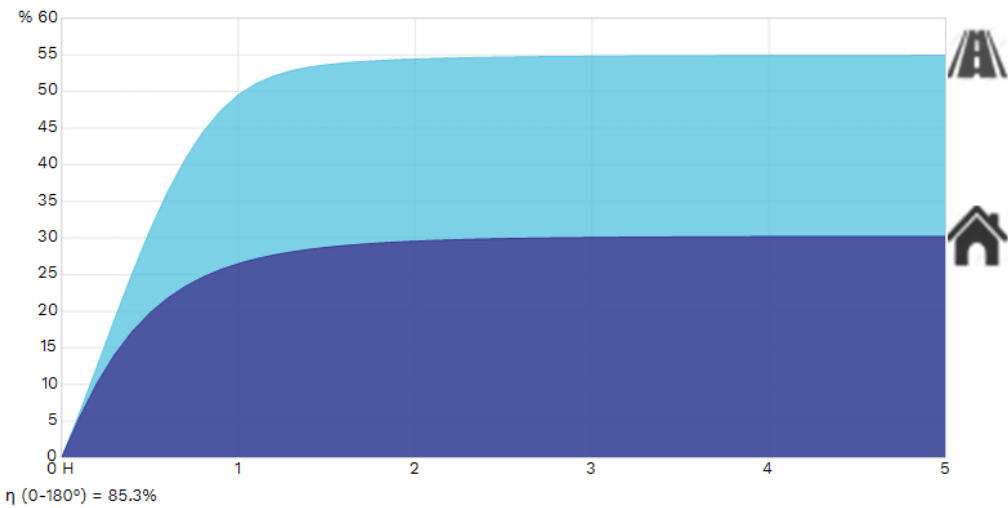


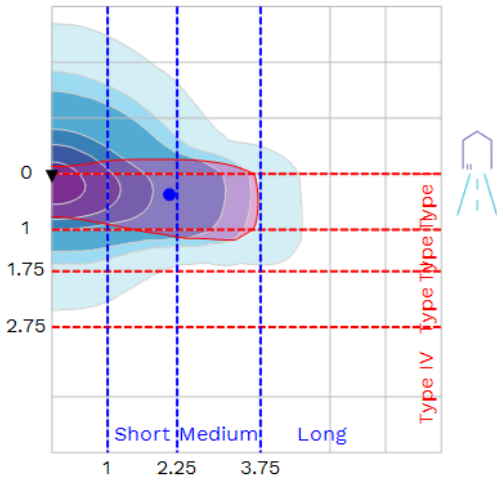


Isolux



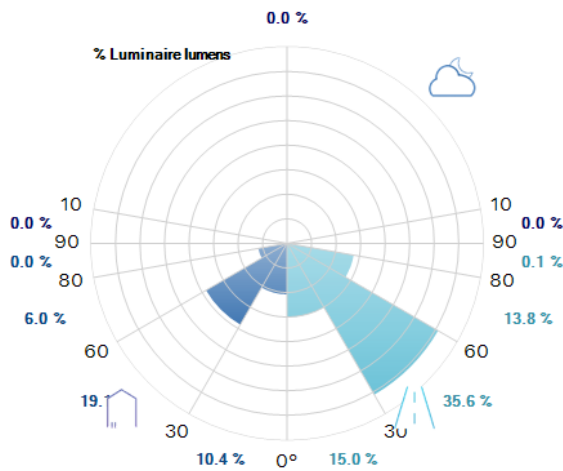
K-Curve



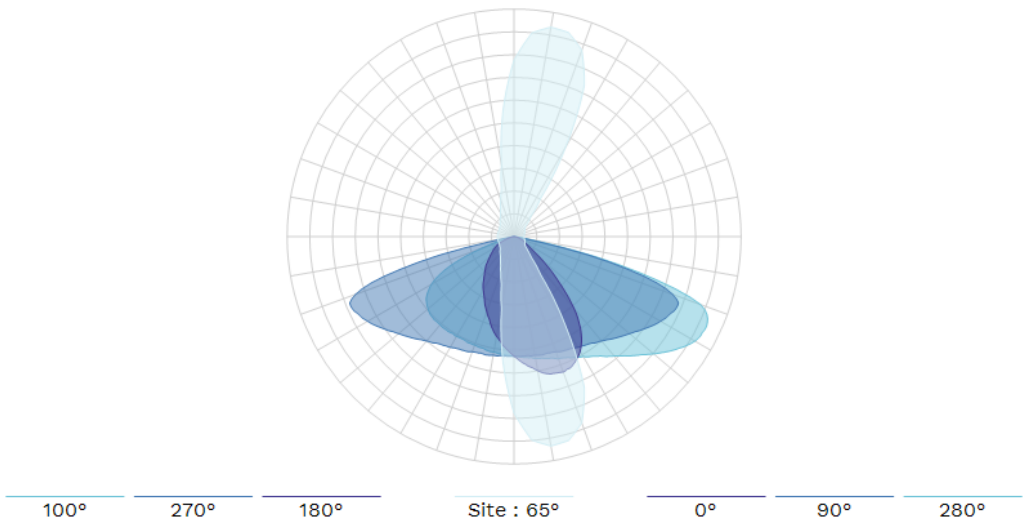


II - Short

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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