









VOLTANA 2

5248

Optic	5248
Protector	Flat glass
Source	16 Samsung LH351C
Matrix	424812




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 (m ²)

* 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 (%)	81.7	G Class (EN 13201-2)	G2	I 70-80-90-95 (cd)	478 - 117 - X - X
DLOR (%)	81.7	G* (EN 13201 2015)	G*2	CIE flux code N 1→5 (%)	40.7 - 74.9 - 96.6 - 100.0 - 81.7
ULOR (%)	0.0	Imax (cd)	484	Gradient 90°	36cd
ULR (%)	0.0	Aperture 0-180°	52 - 52	Gradient 270°	8cd
Incl ULR 4%	-39/37°	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°									
16	NW 740	350	18	3040	2485	138	1471	B1 U0 G1	230
16	NW 740	500	26	4195	3429	132	2030	B1 U0 G1	230
16	NW 740	700	39	5594	4572	117	2707	B1 U0 G1	230
16	NW 740	1000	53	7457	6095	115	3609	B2 U0 G1	230
16	NW 740	1050	58	7737	6323	109	3744	B2 U0 G1	230
16	WW 730	350	18	2880	2354	131	1394	B1 U0 G1	230
16	WW 730	500	26	3974	3248	125	1923	B1 U0 G1	230
16	WW 730	700	39	5299	4331	111	2564	B1 U0 G1	230
16	WW 730	1000	53	7065	5774	109	3419	B2 U0 G1	230
16	WW 730	1050	58	7330	5990	103	3547	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 @ 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

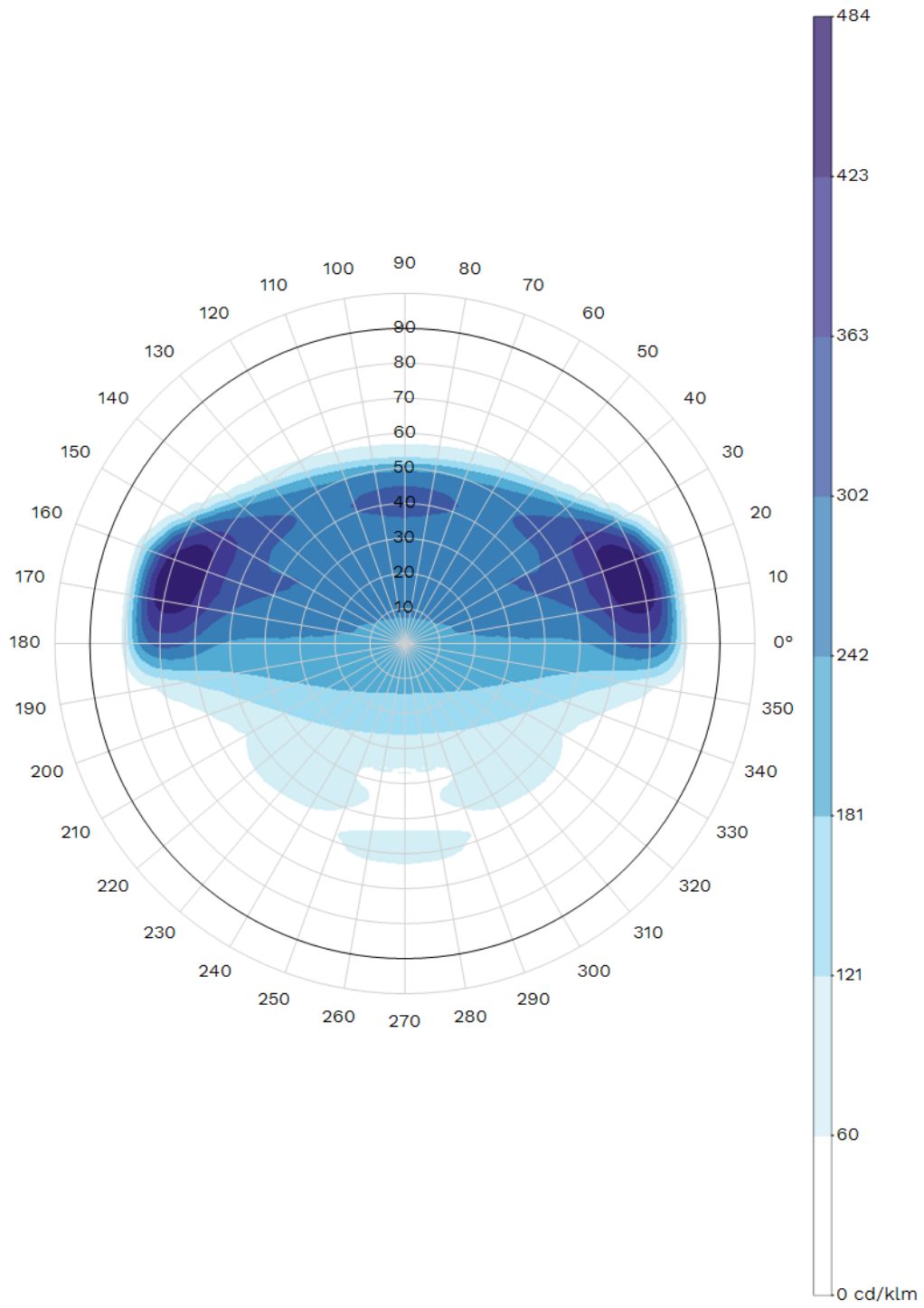
OPTIONS

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

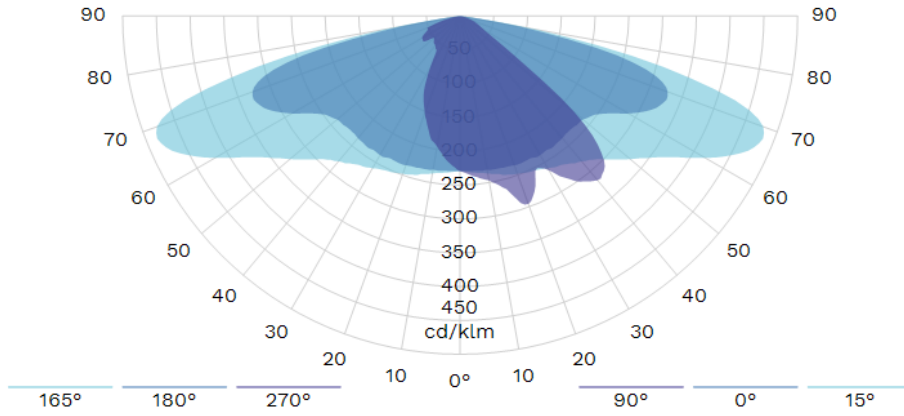
VOLTANA 2 - 5248 - 16 Samsung LH351C - Flat glass - 424812

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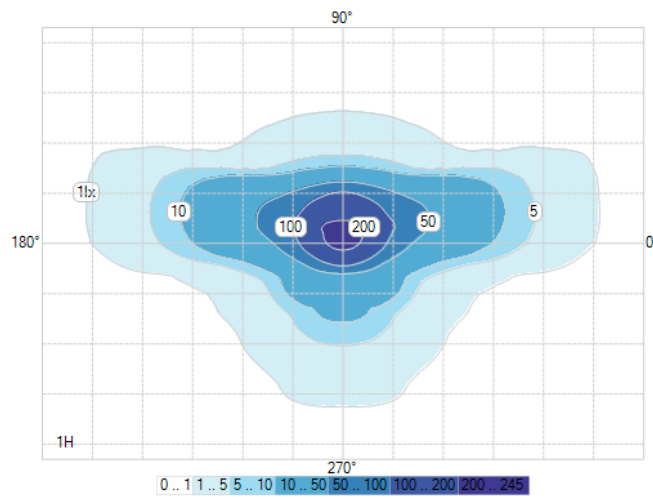
- Photocell



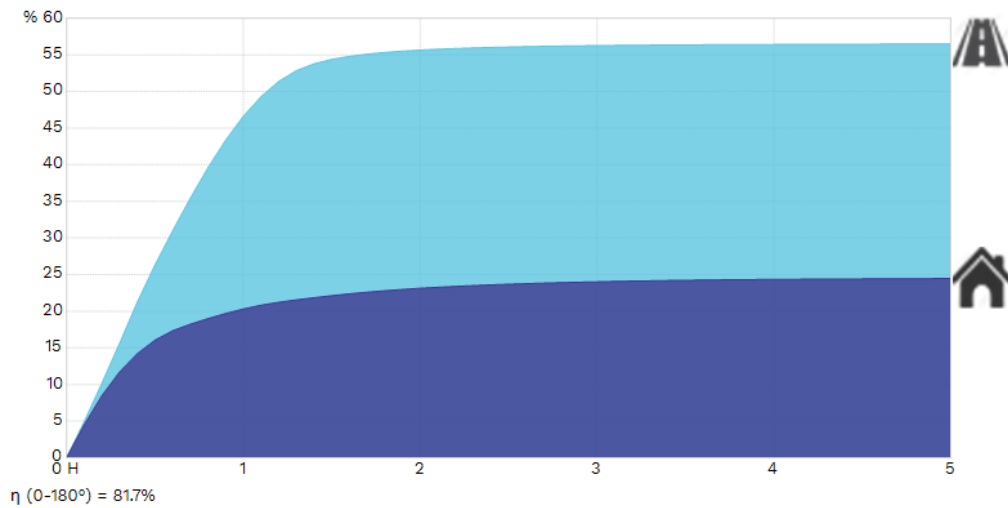
Polar/Cartesian diagram



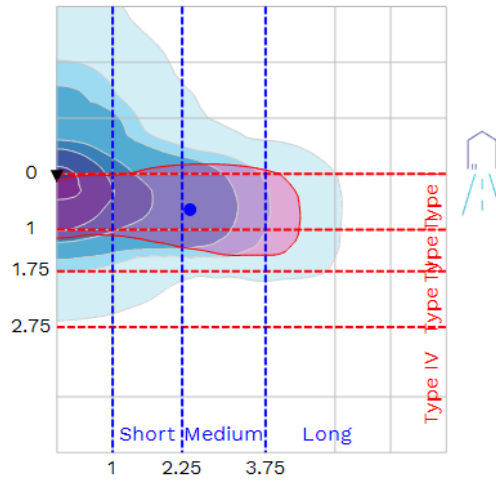
Isolux



K-Curve

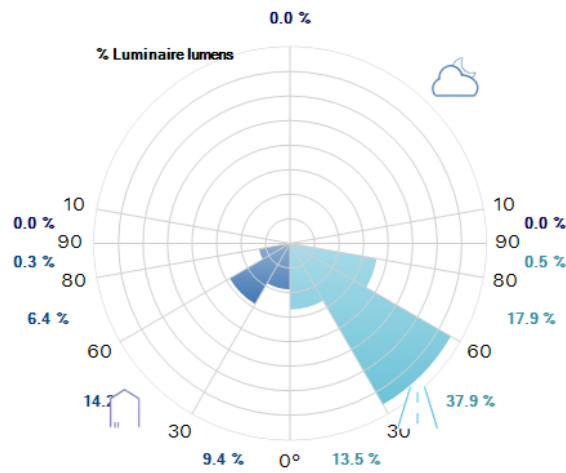


IES Roadway Classification / Nema Classification

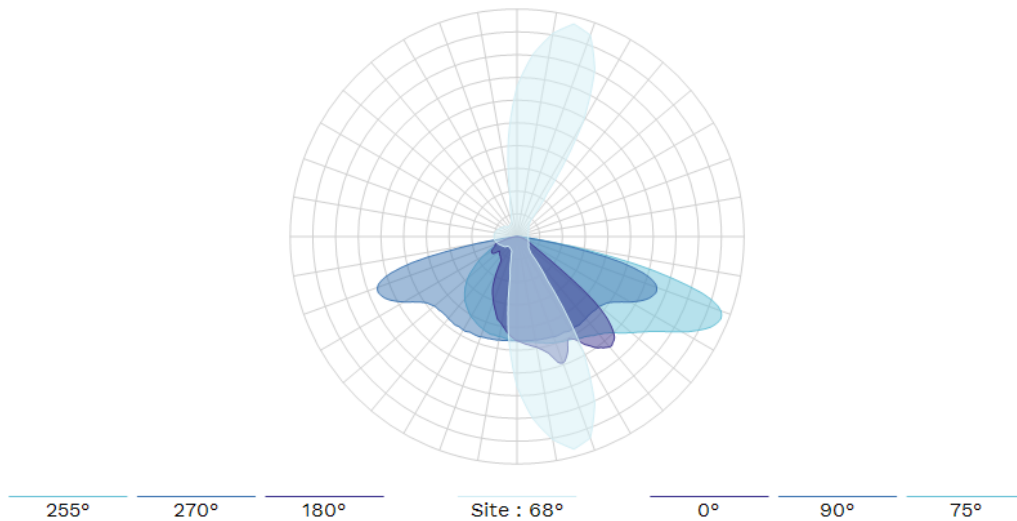


II - Medium

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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