

VOLTANA 0

5205

Optic	5205
Protector	Integrated lenses
Source	6 LG Innotek 3535 Gen4
Matrix	394882



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 (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)

Information for 1000 lm matrix

Efficacy (%)	86.1	G Class (EN 13201-2)	G2	Aperture 90-270°	X - X
DLOR (%)	86.1	G* (EN 13201 2015)	G*2	I 70-80-90-95 (cd)	705 - 106 - X - X
ULOR (%)	0.0	Imax (cd)	807		
UWLR (%)	0.0	Aperture 0-180°	50 - 50		

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°						
6	WW	Warm White	3000	80	350	8	876	754	94	707	B0 U0 G0	230
6	WW	Warm White	3000	80	500	11	1191	1026	93	961	B1 U0 G0	230
6	WW	Warm White	3000	80	700	15	1568	1350	90	1265	B1 U0 G0	230
6	WW	Warm White	3000	80	1000	22	2059	1773	81	1661	B1 U0 G0	230
6	NW	Neutral White	4000	70	350	8	960	826	103	774	B0 U0 G0	230
6	NW	Neutral White	4000	70	500	11	1306	1124	102	1053	B1 U0 G0	230
6	NW	Neutral White	4000	70	700	15	1718	1479	99	1386	B1 U0 G0	230
6	NW	Neutral White	4000	70	1000	22	2257	1943	88	1821	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

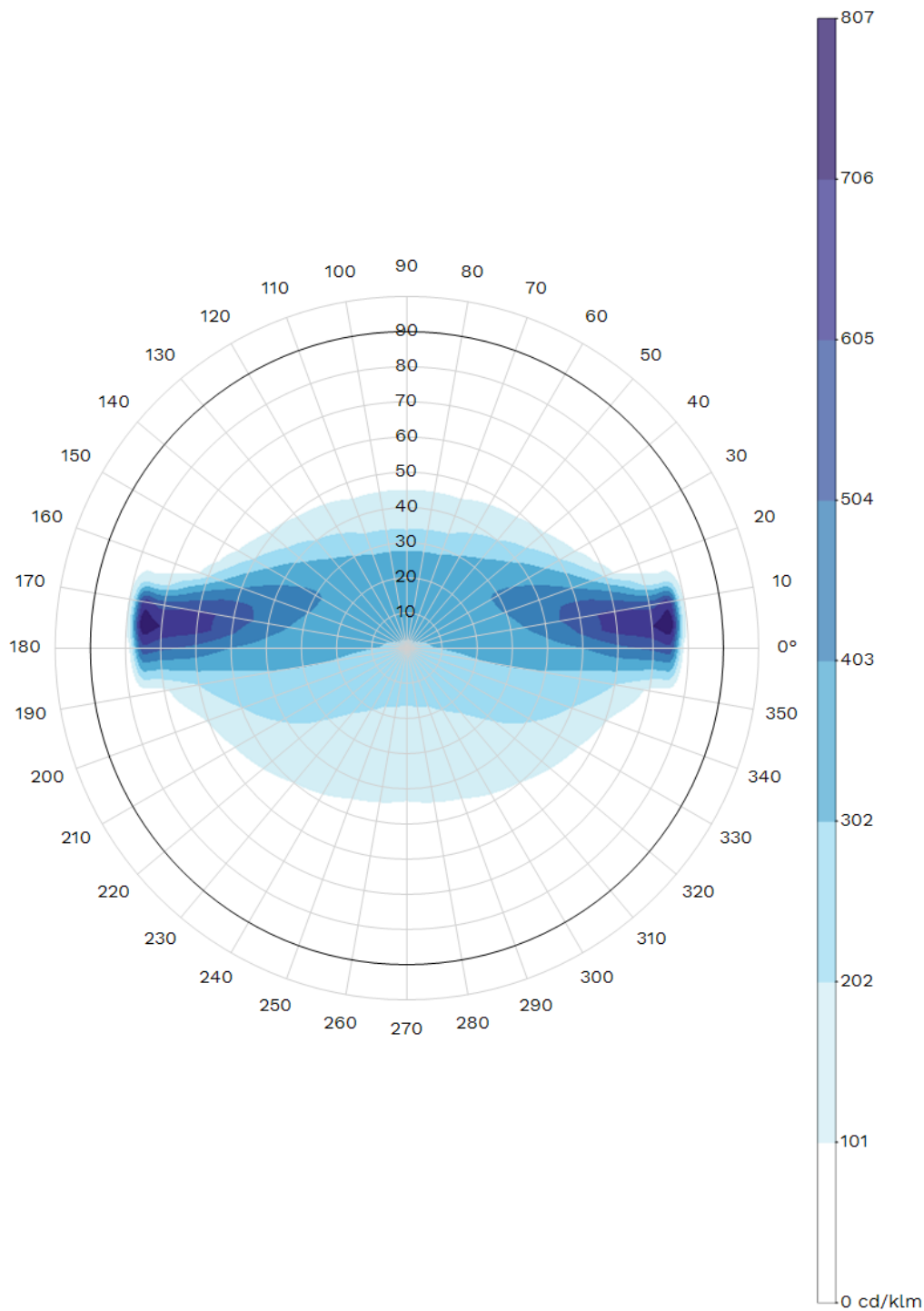
- CE
- ENEC
- LM79-80
- ROHS
- Certified for 3G vibration
- All measurements in ISO17025 accredited laboratory

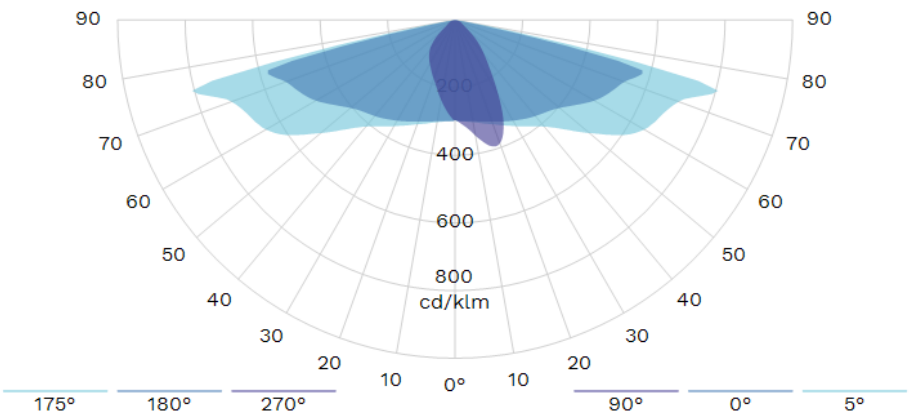
OPTIONS

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

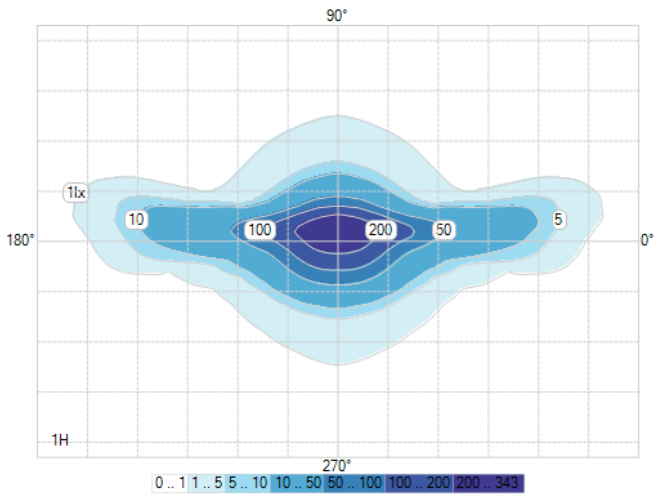
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- Photocell

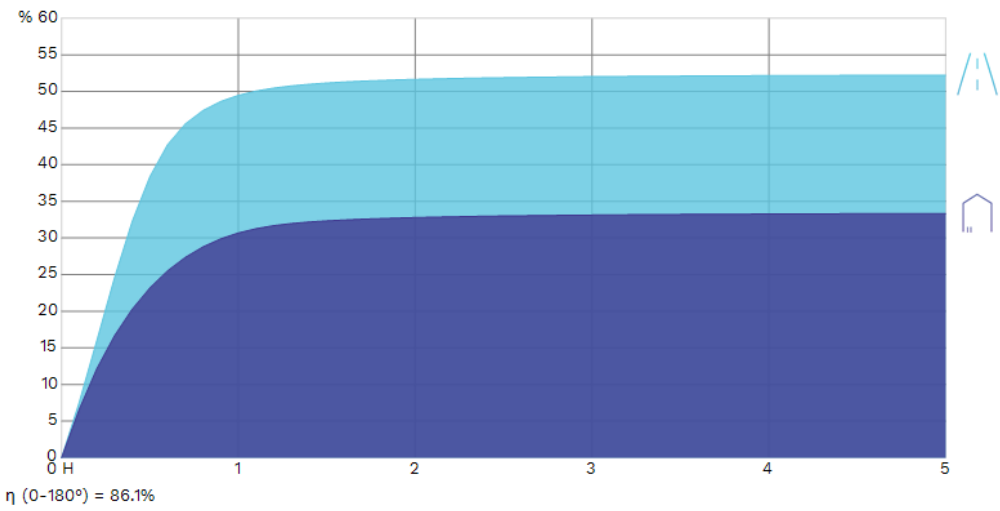


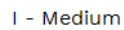


Isolux

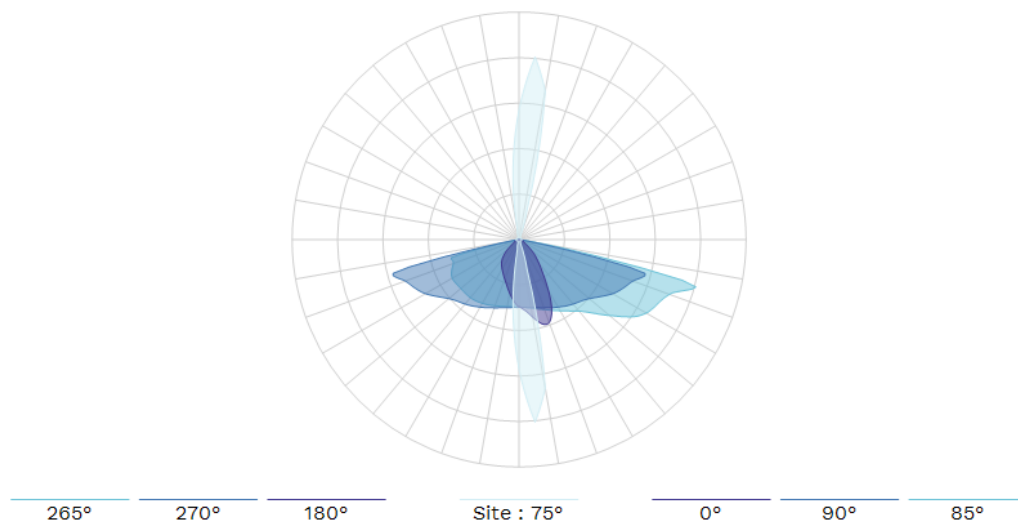


K-Curve





Luminaire classification system (LCS)



<http://www.schreder.com>