

IZYLUM 3

5307

Optic	5307
Protector	Flat glass
Source	40 Samsung LH351C
Matrix	448772



Characteristics

715	368	94	7.0	IP 66/IP 67	IK 09	I EU, II EU	0.028
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

A time-saving, versatile and high-performing road and urban solution

- Maximised savings in energy and maintenance costs
- New generation of LensoFlex@4 and MidFlex™2 photometric engines offering high-efficiency lighting, comfort and safety
- 5 sizes to provide the most accurate solution for numerous road and urban applications
- Tool-free access with a clear, perceptible click upon closing
- Fast and error-proof installation and maintenance with IzyHub
- On-site adjustment from post-top to side-entry without disconnecting the luminaire from the pole thanks to IzyFix
- Wide range of operating temperatures
- Zhaga-D4i certified
- Connected-ready

Types of application

- Square and park
- Bridge
- Car park
- Train station
- Bike path
- Urban road

Information for 1000 lm matrix

Efficacy (%)	82.8	G Class (EN 13201-2)	G2	I 70-80-90-95 (cd)	510 - 103 - X - X
DLOR (%)	82.8	G* (EN 13201 2015)	G*2	CIE flux code N 1→5 (%)	32.6 - 73.8 - 97.2 - 100.0 - 82.8
ULOR (%)	0.0	Imax (cd)	578	Gradient 90°	39cd
ULR (%)	0.0	Aperture 0-180°	68 - 68	Gradient 270°	12cd
Incl ULR 4%	-38/35°	Aperture 90-270°	39 - 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°									
40	WW 722	200	24	3267	2705	113	1888	B1 U0 G1	230
40	WW 722	300	37	4698	3891	105	2715	B1 U0 G1	230
40	WW 722	350	43	5400	4472	106	3121	B1 U0 G1	230
40	WW 722	400	49	6064	5022	102	3505	B1 U0 G1	230
40	WW 722	450	55	6701	5550	101	3873	B2 U0 G1	230
40	WW 722	500	62	7322	6064	98	4232	B2 U0 G1	230
40	WW 722	550	68	7927	6565	97	4581	B2 U0 G1	230
40	WW 722	600	75	8505	7043	94	4915	B2 U0 G1	230
40	WW 722	700	88	9601	7951	90	5549	B2 U0 G2	230
40	WW 730	200	24	4477	3708	155	2587	B1 U0 G1	230
40	WW 730	300	37	6438	5331	144	3721	B1 U0 G1	230
40	WW 730	350	43	7400	6128	146	4277	B2 U0 G1	230
40	WW 730	400	49	8310	6882	140	4803	B2 U0 G1	230
40	WW 730	450	55	9183	7605	138	5307	B2 U0 G2	230
40	WW 730	500	62	10034	8310	134	5799	B2 U0 G2	230
40	WW 730	550	68	10863	8996	132	6278	B2 U0 G2	230
40	WW 730	600	75	11655	9652	129	6736	B2 U0 G2	230
40	WW 730	700	88	13157	10896	124	7604	B2 U0 G2	230
40	NW 740	200	24	4743	3928	164	2741	B1 U0 G1	230
40	NW 740	300	37	6821	5648	153	3942	B2 U0 G1	230
40	NW 740	350	43	7840	6492	155	4531	B2 U0 G1	230
40	NW 740	400	49	8804	7291	149	5088	B2 U0 G2	230
40	NW 740	450	55	9729	8057	146	5623	B2 U0 G2	230
40	NW 740	500	62	10631	8804	142	6144	B2 U0 G2	230
40	NW 740	550	68	11509	9531	140	6651	B2 U0 G2	230
40	NW 740	600	75	12348	10226	136	7136	B2 U0 G2	230
40	NW 740	700	88	13940	11544	131	8056	B2 U0 G2	230
40	WW 727	200	24	4090	3387	141	2364	B1 U0 G1	230
40	WW 727	300	37	5881	4870	132	3399	B1 U0 G1	230
40	WW 727	350	43	6760	5598	133	3907	B2 U0 G1	230
40	WW 727	400	49	7591	6287	128	4387	B2 U0 G1	230
40	WW 727	450	55	8389	6947	126	4848	B2 U0 G1	230
40	WW 727	500	62	9167	7591	122	5298	B2 U0 G2	230
40	WW 727	550	68	9924	8218	121	5735	B2 U0 G2	230
40	WW 727	600	75	10647	8817	118	6153	B2 U0 G2	230
40	WW 727	700	88	12019	9953	113	6946	B2 U0 G2	230
40	WW 830	200	24	4090	3387	141	2364	B1 U0 G1	230
40	WW 830	300	37	5881	4870	132	3399	B1 U0 G1	230
40	WW 830	350	43	6760	5598	133	3907	B2 U0 G1	230
40	WW 830	400	49	7591	6287	128	4387	B2 U0 G1	230
40	WW 830	450	55	8389	6947	126	4848	B2 U0 G1	230
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40	WW 830	600	75	10647	8817	118	6153	B2 U0 G2	230

40	WW 830	700	88	12019	9953	113	6946	B2 U0 G2	230
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Tolerance on flux +- 7% - Tolerance on power +- 5%

Summary

CONCEPT

Family of 5 road LED luminaires: 1, 2, 3, 4, 5

Applications: Bike path, Bridge, Car park, Square and park, Train station, Urban road

Dimensions (mm):

- Width: 368.00
- Height: 94.00
- Length: 715.00

Weight (kg): 7.00

Recommended height installation: between 4.00 and 15.00+m

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
- Direct and tool free access to housing with driver compartment and optical unit by pushing the two clips at the bottom of the luminaire. Closing of the luminaire is confirmed with a clear, loud clicking sound (minimum of 110dB), audible even in a noisy road or urban environment.
- Colour: AKZO grey 900 sanded
- Luminaire CxS: 0.028m²
- Tightness - driver & optical: IP66/IP67
- Impact resistance: IK 09

INSTALLATION

- Universal fixation in high-pressure, die-cast aluminium
- For Diameter 60mm: 42-48 & 60mm tightened with 2 stainless steel screws, 32mm with a reducer kit
- For Diameter 76mm: 60mm & 76mm tightened with 2 stainless steel screws, 32 & 42-48mm with a reducer kit
- Switching from post-top to side-entry without disconnection from luminaire or the pole (even with precable version)
- Allows tilt of 130°
- Tool free access for maintenance

OPTICAL UNIT

- Available with high power & mid power LED's with the same body
- Protected against lens degradation with a 5mm thick extra-clear hardened glass
- Various photometric distributions: from narrow road to motorway, medium and large area
- CRI > 70
- ULR: 0%

LED lumen depreciation

- Lifetime residual flux @ Tq=25°C @ 100.000 hrs

ELECTRICAL

- Class I or Class II
- Input voltage: 220-240V - 50-60Hz
- Power factor > 95% at full load
- 10kV, 10kA surge protection

STANDARDS & CERTIFICATIONS

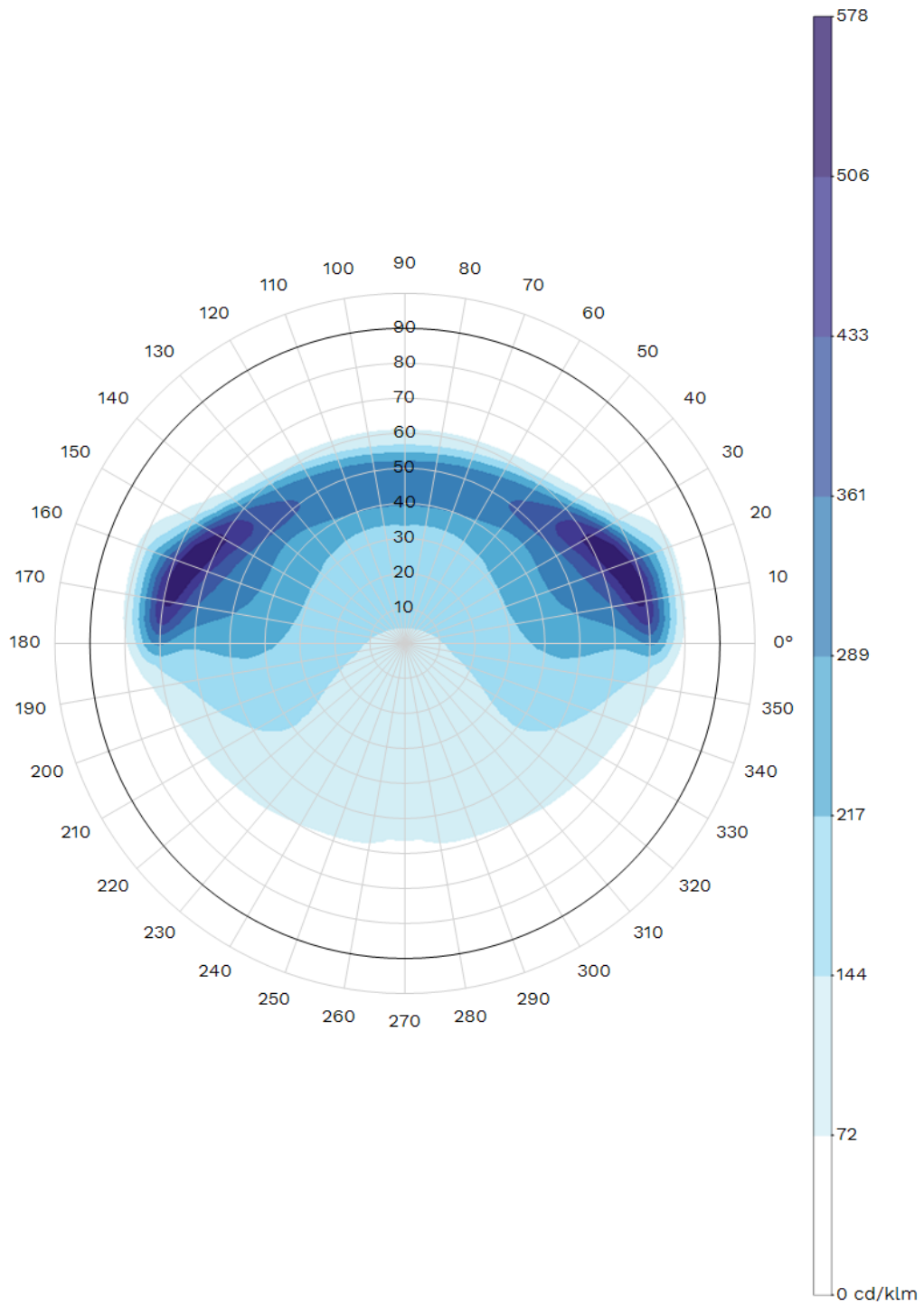
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30/07/2021

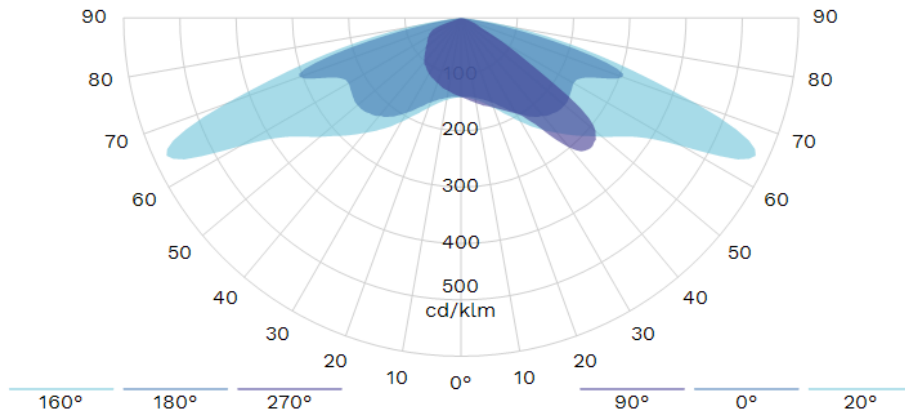
- CE
- ENEC
- LM79-80
- ETL
- ROHS
- All measurements in ISO17025 accredited laboratory

OPTIONS

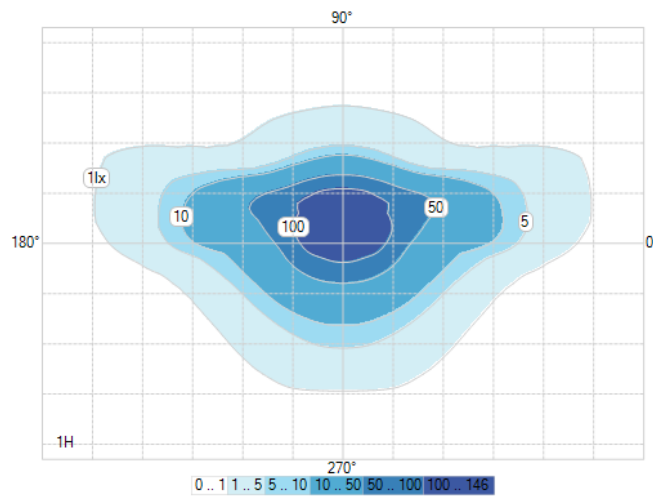
- Other RAL or AKZO colours
- Other light distributions
- Back light control
- NW or WW LEDs
- OWLET remote management
- Custom dimming profile; Constant Lumen Output (CLO); Bi-Power
- Photocell
- Motion detection
- Bluetooth



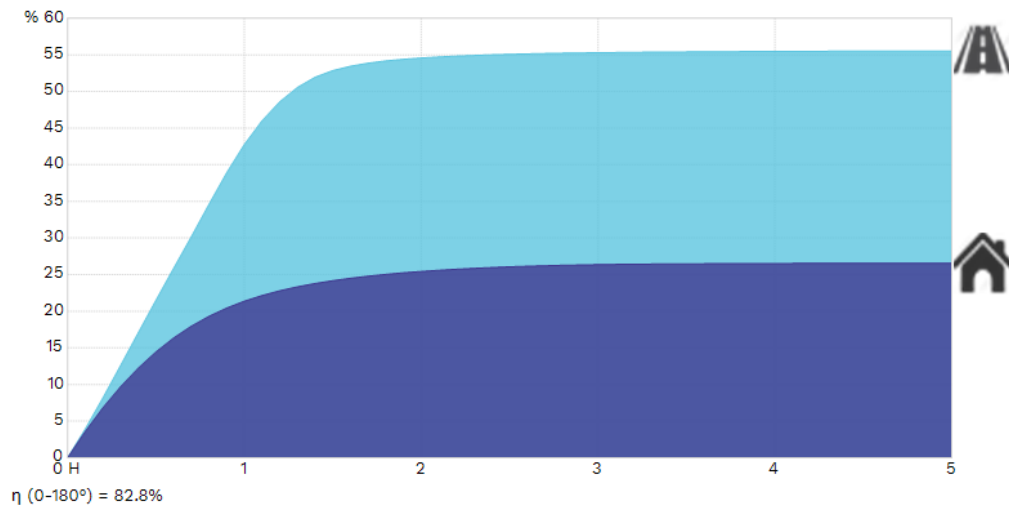
Polar/Cartesian diagram



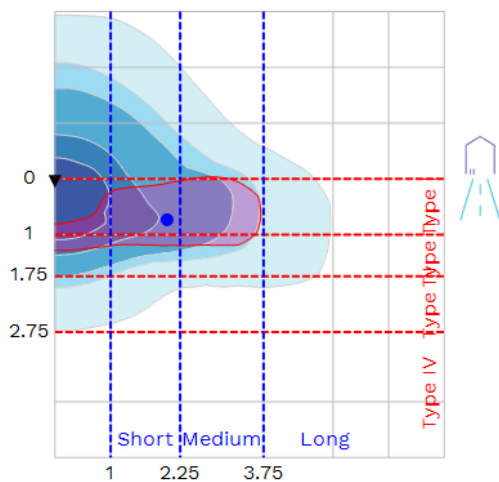
Isolux



K-Curve

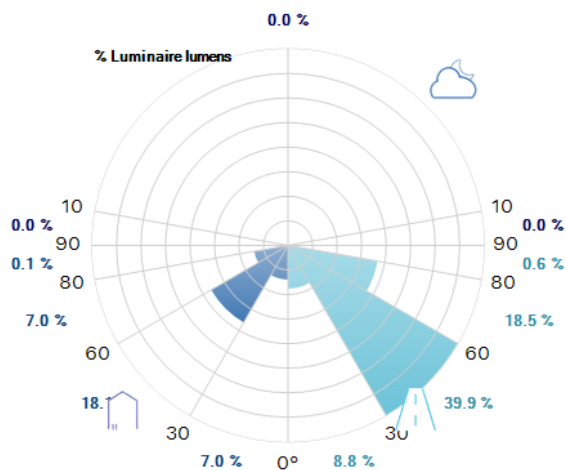


IES Roadway Classification / Nema Classification

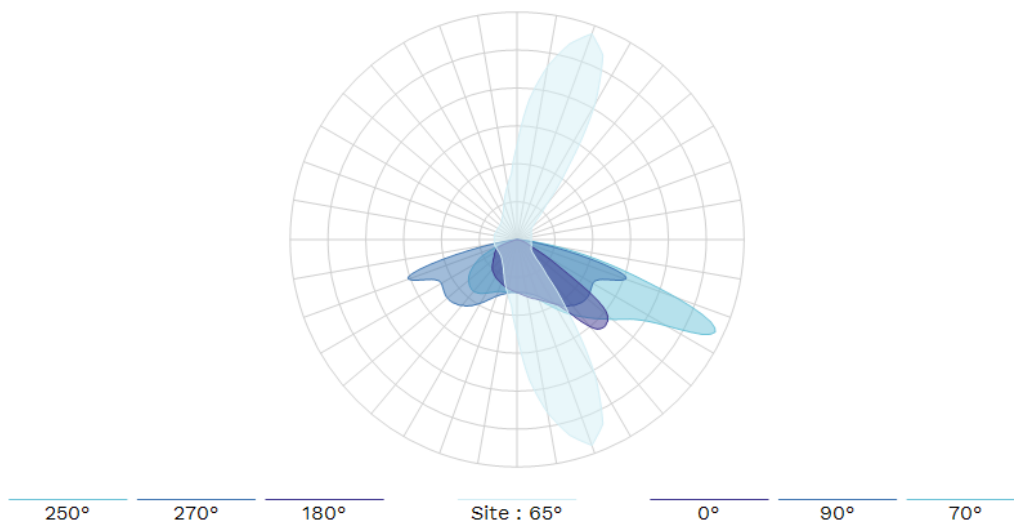


II - Short

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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