

IZYLUM 1

5307

Optic	5307
Protector	Flat glass
Source	20 Samsung LH351C
Matrix	450752



Characteristics

587	294	94	4.9	IP 66/IP 67	IK 09	I EU, II EU	0.030
Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Tightness level*	Impact resistance*	Electrical class*	CxS (m²)

* According to IEC-EN60598 and IEC-EN62262

Features

A time saving, versatile and high performance 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 confirmative 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

- Bridge
- Roundabout
- Road and highway
- Residential road
- Bike path
- Urban road

Information for 1000 lm matrix

Efficacy (%)	81.9	G Class (EN 13201-2)	G3	I 70-80-90-95 (cd)	512 - 98 - X - X
DLOR (%)	81.9	G* (EN 13201 2015)	G*2	CIE flux code N 1→5 (%)	32.6 - 74.0 - 97.5 - 100.0 - 81.9
ULOR (%)	0.0	Imax (cd)	577	Gradient 90°	40cd
ULR (%)	0.0	Aperture 0-180°	69 - 69	Gradient 270°	11cd
Incl ULR 4%	-39/35°	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°						
20	WW 727	200	13	2023	1658	128	1168	B1 U0 G1	230
20	WW 727	300	19	2941	2409	127	1697	B1 U0 G1	230
20	WW 727	350	22	3380	2769	126	1951	B1 U0 G1	230
20	WW 727	400	26	3799	3113	120	2193	B1 U0 G1	230
20	WW 727	450	29	4201	3442	119	2425	B1 U0 G1	230
20	WW 727	500	32	4590	3761	118	2649	B1 U0 G1	230
20	WW 727	550	35	4969	4071	116	2868	B1 U0 G1	230
20	WW 727	600	39	5330	4367	112	3077	B1 U0 G1	230
20	WW 727	700	46	6008	4922	107	3468	B1 U0 G1	230
20	WW 727	800	51	6665	5461	109	3847	B1 U0 G1	230
20	WW 727	900	57	7243	5935	104	4181	B2 U0 G1	230
20	WW 727	1000	64	7764	6361	99	4481	B2 U0 G1	230
20	WW 722	200	13	1616	1324	102	933	B1 U0 G0	230
20	WW 722	300	19	2349	1925	101	1356	B1 U0 G1	230
20	WW 722	350	22	2700	2212	101	1558	B1 U0 G1	230
20	WW 722	400	26	3035	2487	96	1752	B1 U0 G1	230
20	WW 722	450	29	3356	2750	95	1937	B1 U0 G1	230
20	WW 722	500	32	3667	3004	94	2116	B1 U0 G1	230
20	WW 722	550	35	3969	3252	93	2291	B1 U0 G1	230
20	WW 722	600	39	4258	3489	89	2458	B1 U0 G1	230
20	WW 722	700	46	4799	3932	85	2770	B1 U0 G1	230
20	WW 722	800	51	5324	4362	87	3073	B1 U0 G1	230
20	WW 722	900	57	5786	4741	83	3340	B1 U0 G1	230
20	WW 722	1000	64	6202	5081	79	3580	B1 U0 G1	230
20	NW 740	200	13	2275	1864	143	1313	B1 U0 G1	230
20	NW 740	300	19	3306	2709	143	1908	B1 U0 G1	230
20	NW 740	350	22	3800	3113	142	2193	B1 U0 G1	230
20	NW 740	400	26	4271	3500	135	2465	B1 U0 G1	230
20	NW 740	450	29	4723	3870	133	2726	B1 U0 G1	230
20	NW 740	500	32	5160	4228	132	2979	B1 U0 G1	230
20	NW 740	550	35	5586	4577	131	3224	B1 U0 G1	230
20	NW 740	600	39	5993	4910	126	3459	B1 U0 G1	230
20	NW 740	700	46	6754	5534	120	3898	B2 U0 G1	230
20	NW 740	800	51	7494	6140	123	4325	B2 U0 G1	230
20	NW 740	900	57	8143	6672	117	4700	B2 U0 G1	230
20	NW 740	1000	64	8729	7152	112	5038	B2 U0 G1	230
20	WW 730	200	13	2155	1766	136	1244	B1 U0 G1	230
20	WW 730	300	19	3132	2566	135	1808	B1 U0 G1	230
20	WW 730	350	22	3600	2950	134	2078	B1 U0 G1	230
20	WW 730	400	26	4046	3315	128	2336	B1 U0 G1	230
20	WW 730	450	29	4475	3666	126	2583	B1 U0 G1	230
20	WW 730	500	32	4889	4006	125	2822	B1 U0 G1	230
20	WW 730	550	35	5292	4336	124	3054	B1 U0 G1	230
20	WW 730	600	39	5677	4652	119	3277	B1 U0 G1	230

20	WW 730	700	46	6399	5243	114	3693	B1 U0 G1	230
20	WW 730	800	51	7099	5817	116	4098	B2 U0 G1	230
20	WW 730	900	57	7715	6321	111	4453	B2 U0 G1	230
20	WW 730	1000	64	8269	6775	106	4773	B2 U0 G1	230
20	WW 830	200	13	2023	1658	128	1168	B1 U0 G1	230
20	WW 830	300	19	2941	2409	127	1697	B1 U0 G1	230
20	WW 830	350	22	3380	2769	126	1951	B1 U0 G1	230
20	WW 830	400	26	3799	3113	120	2193	B1 U0 G1	230
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20	WW 830	1000	64	7764	6361	99	4481	B2 U0 G1	230

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, Residential road, Road and highway, Roundabout, Urban road

Dimensions (mm):

- Width: 294.00
- Height: 94.00
- Length: 587.00

Weight (kg): 4.90

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: 0.030m²
- 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

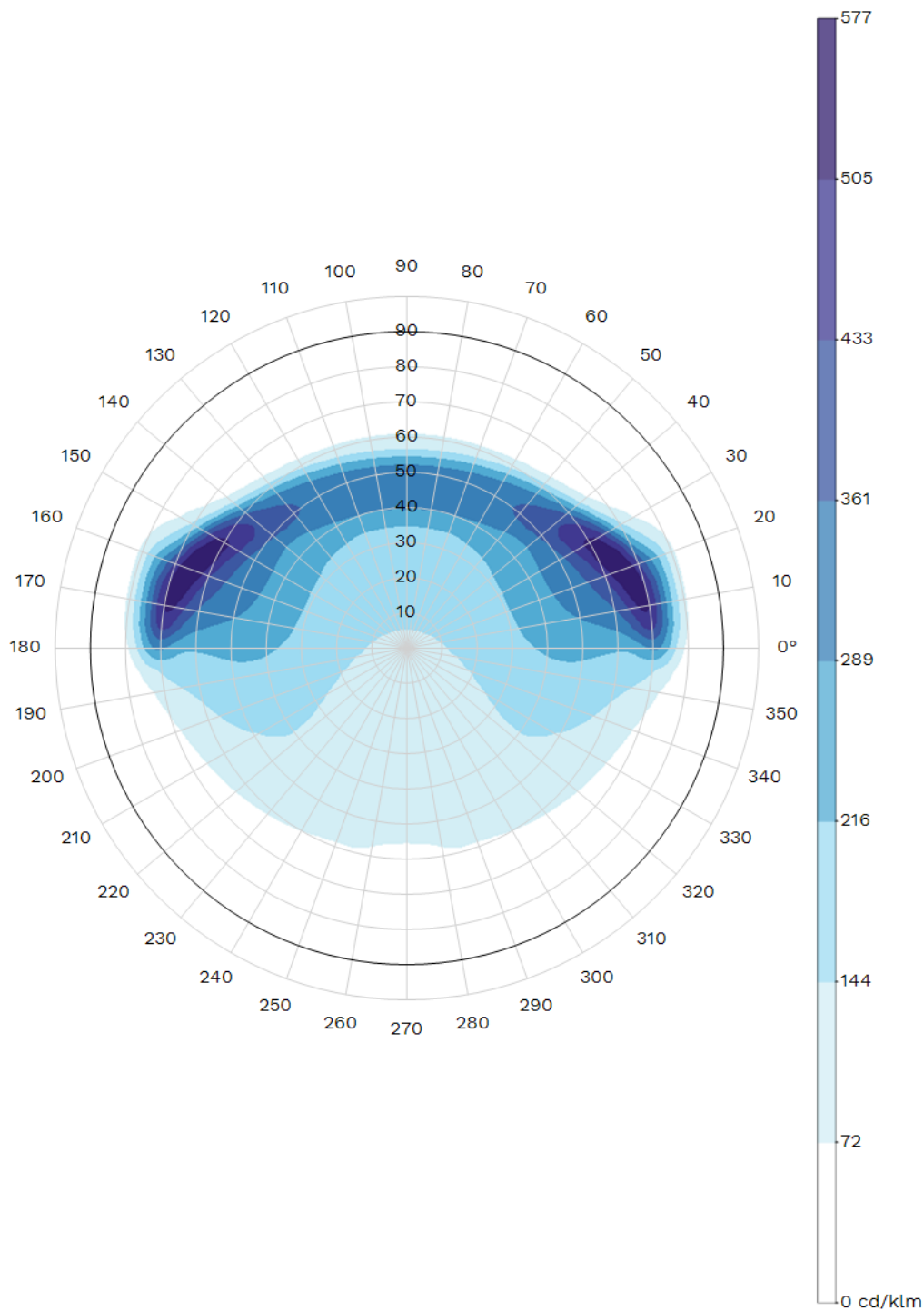
STANDARDS & CERTIFICATIONS

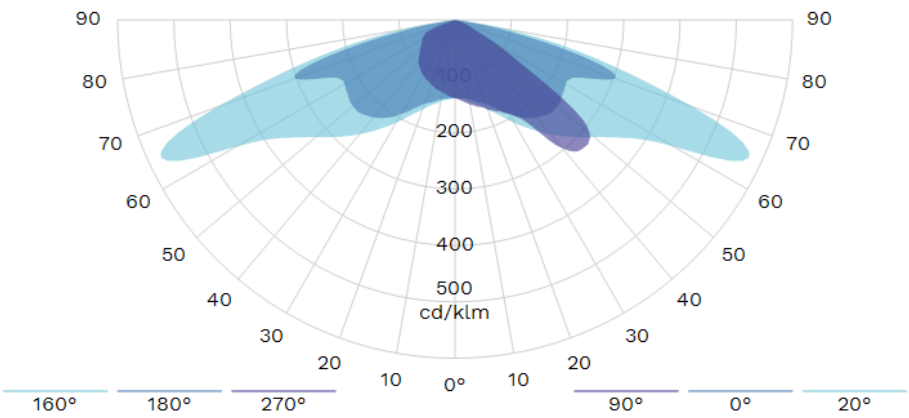
IZYLUM 1 - 5307 - 20 Samsung LH351C - Flat glass - 450752

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

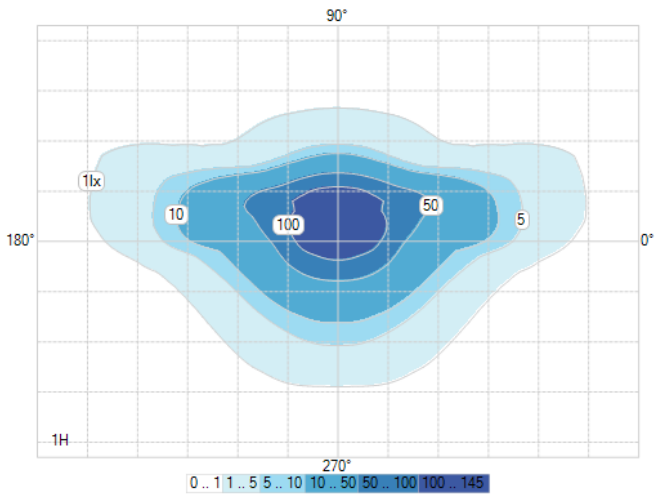
OPTIONS

- 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

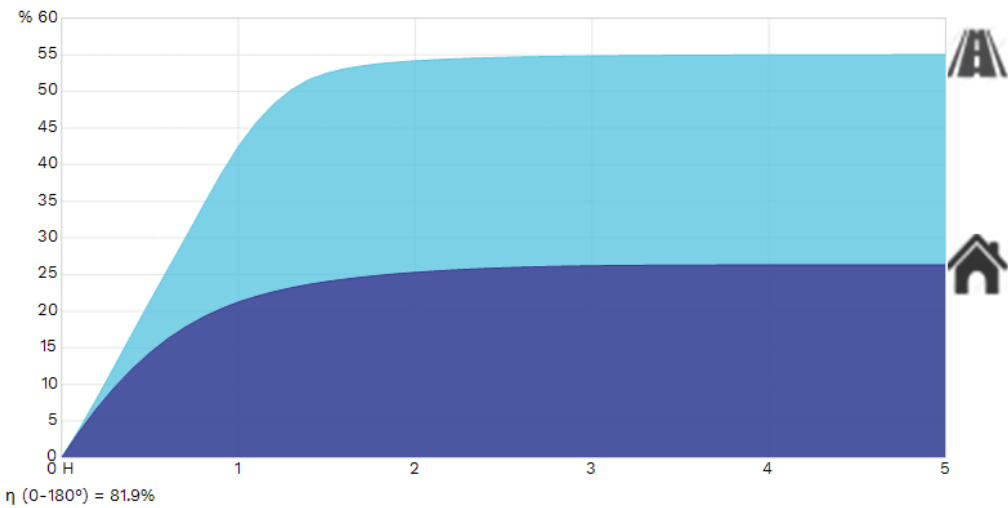




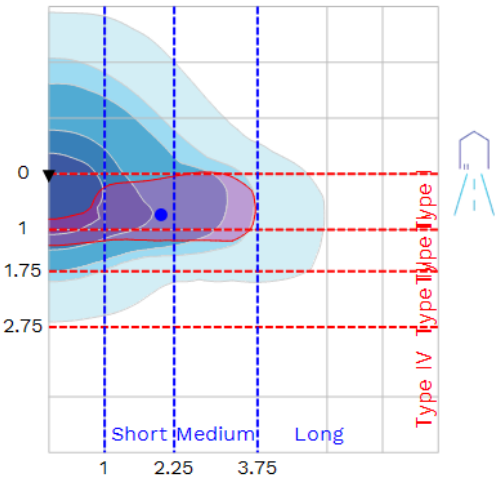
Isolux



K-Curve

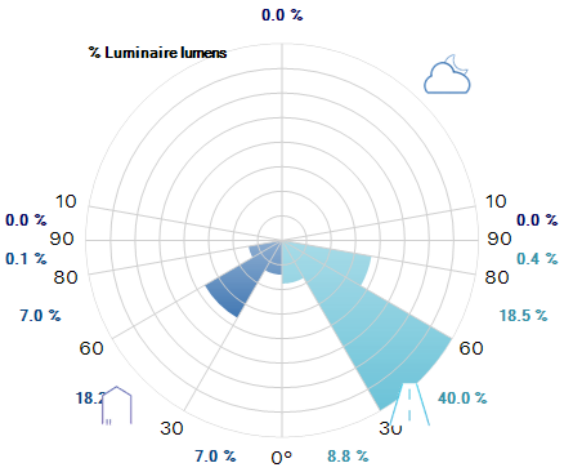


IES Roadway Classification / Nema Classification

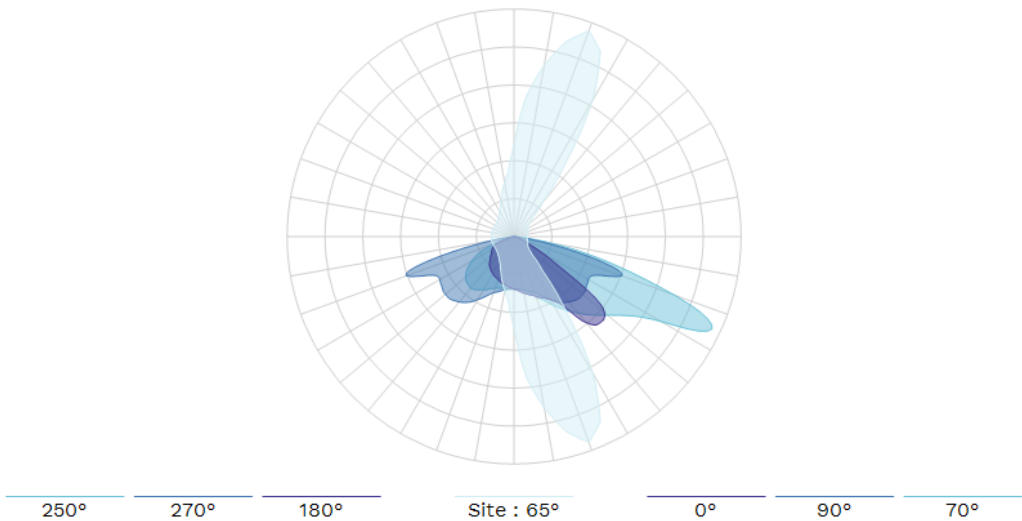


II - Short

Luminaire classification system (LCS)



Intensity diagram in max Cone and in CPlane



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