

LUPA Family

DATASHEET | SPECIFICATIONS



CHARACTERISTIC

LUPA is a family of designer luminaires intended for public lighting in urban areas. These lights are intended for installation on the upper end of the pole, location on any point of the mast or wall of buildings.

USE

- Pedestrian zones
- Outdoor areas
- Sidewalks
- Cycle paths

TECHNICAL SPECIFICATIONS

ELECTRICAL PARAMETERS

Light source	» LED
AC voltage	» AC 220–240 V / 50–60 Hz
Connection	» leading out cable » leading out cable with connector (G) » disconnect terminal block (O) » without cable (WO)
Driver	» electronic driver with surge protection L/N-Ground 10 kV
Surge protection	» additional surge protection 10 kV (S)
Fuse	» fuse 6,3 A (J)
Dimming	» non-dimmable (not labeled) » DALI » night dimming (A) » preparation for wireless communication NEMA (N) » Zhaga (Z) or 2× Zhaga (Z2)
Sensor	» motion sensor (on request)
Constant lumen output	» CLO (C)

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » AMBER module (Nxx) » AMBER optics (ALxx) » BACK light mask (BM2) » combined optics (Kxx)
Light distribution	» direct
Color rendering index	» Ra > 70 » Ra > 80
Color temperature	» AMBER » 2 200 K » 2 700 K » 3 000 K » 4 000 K » 5 000 K
Service life	» > 100 000 hours (L90B10)

CONSTRUCTION

Housing	» aluminum cast
Color	» RAL 7015
Surface	» matte
Cover	» tempered glass

SAFETY

Protection class	» I » II
Ambient operating temperature	» -40 / +55 °C
Ingress protection	» IP 66
Impact protection	» IK 09

MOUNTING

Method	» pole (48–89 mm) » on the wall
Recommended height	» up to 8 m



This luminaire contains built-in LED lamps.

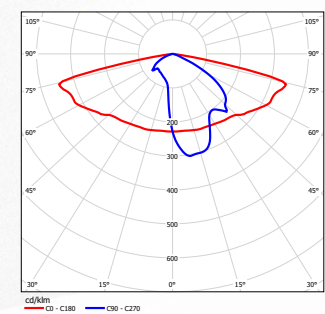
The lamps cannot be changed in the luminaire.

LED

ELEKTRO-LUMEN | LUPA 874/2012

LIGHT DISTRIBUTION CURVE

LUPA M03 8k0 840



VARIANTS

DATASHEET LUPA

VARIANTS (chip 3535)	AMBER module (Nxx)			WARM WHITE 722		WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740			Luminaire efficiency (lm/W)	Kg**
	Name	Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)	Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		Power consumption (W)	Luminaire output flux (lm)		
min			max	max				min	max		min	max		min	max	Až do
LUPA Mxx 1k0	11,2	845	935	8,5	898	7,9	820	907	7,9	870	963	7,2	842	931	129	4,0
LUPA Mxx 1k5	—	—	—	12,7	1 350	11,6	1 255	1 388	10,9	1 272	1 407	10,2	1 280	1 416	139	4,0
LUPA Mxx 2k0	21	1 690	1 870	16	1 872	13,9	1 640	1 814	13,9	1 740	1 925	12,6	1 683	1 862	148	4,0
LUPA Mxx 2k5	—	—	—	19,7	2 286	17,8	2 125	2 351	16	2 075	2 295	14,8	2 041	2 258	153	4,0
LUPA Mxx 3k0	32,1	2 510	2 777	23,4	2 700	20,9	2 510	2 777	19,6	2 560	2 832	18,3	2 561	2 833	155	4,0
LUPA Mxx 3k5	—	—	—	28,1	3 213	24,5	2 936	3 249	23,2	2 995	3 314	21,5	2 984	3 302	154	4,0
LUPA Mxx 4k0	44,6	3 313	3 665	33	3 663	28,1	3 346	3 702	26,8	3 438	3 804	24,3	3 350	3 706	153	4,0
LUPA Mxx 5k0	53,6	4 242	4 693	43,4	4 572	35,5	4 150	4 591	33	4 166	4 609	31	4 200	4 647	150	4,0
LUPA Mxx 6k0	65	4 969	5 498	48	5 490	45,5	5 112	5 655	41,1	5 003	5 535	38,3	5 049	5 586	146	4,0
LUPA Mxx 7k0	—	—	—	55,4	6 174	48,2	5 827	6 447	45,2	5 898	6 525	40,8	5 733	6 343	155	4,0
LUPA Mxx 8k0	—	—	—	66*	7 164	55,4	6 601	7 303	51,7	6 684	7 396	49,2	6 827	7 533	154	4,0
LUPA Mxx 9k0	—	—	—	—	—	66*	7 672	8 488	59,6*	7 513	8 312	55,5	7 574	8 379	151	4,0
VARIANTS (chip 5050)	AMBER optics (ALxx)			WARM WHITE 722		WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740				
LUPA Lxx 1k0	7,3	751	824	—	—	7,3	848	915	7,3	833	952	7,3	944	1 018	140	4,0
LUPA Lxx 1k5	9,8	1 085	1 191	—	—	9,8	1 224	1 320	9,8	1 285	1 386	9,8	1 363	1 471	150	4,0
LUPA Lxx 2k0	12,5	1 495	1 641	—	—	12,5	1 696	1 829	12,5	1 774	1 914	12,5	1 879	2 027	162	4,0
LUPA Lxx 2k5	14,8	1 821	1 999	—	—	15,3	2 220	2 395	14,8	2 159	2 329	14,8	2 289	2 470	167	4,0
LUPA Lxx 3k0	17,5	2 162	2 374	—	—	18	2 570	2 772	17,5	2 570	2 772	17,5	2 718	2 933	168	4,0
LUPA Lxx 3k5	19,5	2 427	2 664	—	—	21,6	3 033	3 272	20,8	3 061	3 302	19,5	3 050	3 291	169	4,0
LUPA Lxx 4k0	23,1	2 885	3 168	—	—	24,5	3 435	3 706	23,1	3 422	3 692	23,1	3 627	3 913	169	4,0
LUPA Lxx 5k0	28	3 483	3 825	—	—	31,1	4 339	4 682	30,6	4 475	4 828	28	4 379	4 724	169	4,0
LUPA Lxx 6k0	34,1	4 158	4 565	—	—	38	5 244	5 658	35,9	5 157	5 564	34,1	5 227	5 639	165	4,0
LUPA Lxx 7k0	37,5	4 784	5 252	—	—	42,5	6 153	6 639	41,3	6 197	6 686	37,5	6 013	6 488	173	4,0
LUPA Lxx 8k0	45,2	5 667	6 222	—	—	49,3	7 053	7 610	46	6 817	7 355	45,2	7 123	7 685	170	4,0
LUPA Lxx 9k0	49,3	6 237	6 848	—	—	55,7	7 866	8 487	51,8	7 735	8 346	49,3	7 840	8 459	172	4,0

** Weight may vary depending on the luminaire variant

Luminaire ambient temperature TQ 25 °C

Initial color consistency: ≤ 5 SDCM

Optical and electrical parameters tolerance ± 10 %

When using the CLO function, the initial power and luminous flux is 10 % lower than the value shown in the table. LDT curves with CLO function have the letter "C" at the end of their marking.

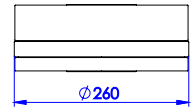
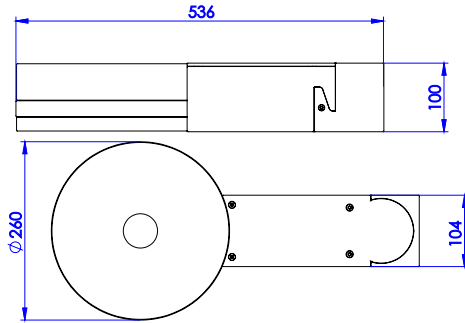
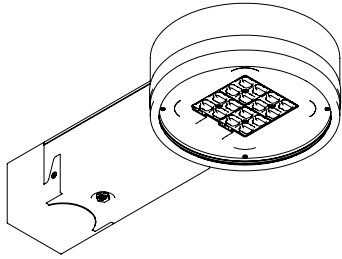
The term AMBER in lighting technology refers to light with a minimum amount of the blue part of the light spectrum.

AMBER module - the light emitted from the LED chips on the module is already free of the blue part of the light spectrum (standard PMMA optics).

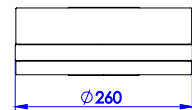
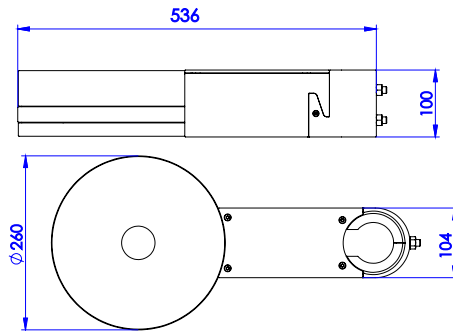
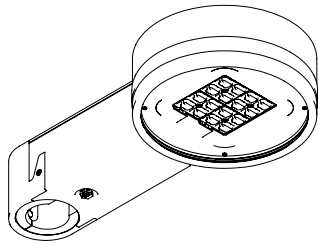
AMBER optics - the optical system absorbs the blue part of light from the LED module and transmits the remaining light spectrum (special AMBER optics).

DIMENSIONS

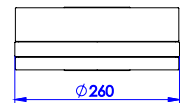
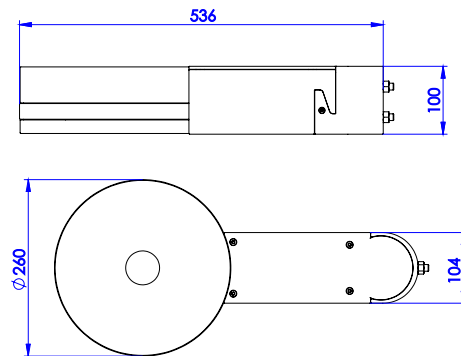
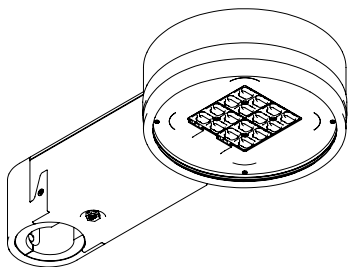
LUPA W



LUPA L



LUPA P



CODE DESCRIPTION

LUPA	II	G2	M01	8k0	730	B124	45CAZ2	OSJG	H3S	ENEC		
											Name	
											Class	
											Without marking	Class I
											II	Class II
											Luminaire generation	
											Optical system	
											M01	Roads
											L01	Roads
											P01	Directional
											U01	Area
											ZP1/ZL1	Pedestrian crossings
											K01	Combined optics
											BM2	Backlight mask
											Luminous flux marking (source)	
											Ra 70 / 3 000 K	
											LED module marking	
											B	LED module type
											1	
											2	
											4	Mask type
											Driver type	
											43	OSRAM 4DIM (DALI) + 3 pole terminal block
											45	OSRAM 4DIM (DALI) + 5 pole terminal block
											45P	OSRAM 4DIM (DALI) + 5 pole terminal block + presence detection
											4	OSRAM 4 DIM
											1	OSRAM 1DIM (noDALI)
											D	OSRAM DX – Dexal (for Zhaga connector)
											C	Constant luminous flux (CLO)
											A	AstroDim
											Z	Zhaga connector, 4 pin (Dexal driver)
											Z2	2x Zhaga connector, 4 pin (Dexal driver)
											N	NEMA connector, 7 pin (4 DIM driver)
											O	Disconnect terminal block
											S	Surge protection 10 kV
											J	Fuse 6,3 A
											G	Gesis connector
											H	H05(07)RN-F cable (1 mm ²)
											C	CYKY cable (1,5 mm ²)
											WO	Without cable
											2	2 core cable
											3	3 core cable
											5	5 core cable
											S	Standard – 25 cm length of cable (led out of the luminaire)
											1	1 meter (length in whole meters)
											ENEC certification	