

ELEKTRA L

DATASHEET | SPECIFICATIONS



CHARACTERISTIC

Modern outdoor LED luminaire with integrated surge protection and adjustable joint $\pm 20^\circ$.

USE

Road classes I. and II.

Outdoor areas



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) » 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 (DALI) » night dimming (A) » preparation for wireless communication NEMA (N) » Zhaga (Z) or 2x Zhaga (Z2)
Constant lumen output	» CLO (C)

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » pedestrian crossing (ZLxx/ZPxx) » combined optics (Kxx)
Light distribution	» direct
Color rendering index	» Ra > 70 » Ra > 80
Color temperature	» 2 700 K » 3 000 K » 4 000 K » 5 000 K
Service life	» > 120 000 hrs. (L90)

CONSTRUCTION

Housing	» aluminum cast
Color	» RAL 7015/9006 » other RAL (on request)
Surface	» matte
Cover	» tempered glass

SAFETY

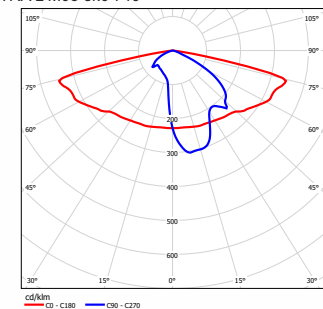
Protection class	» I » II
Ambient operating temperature	» max. -40 / +50 °C
Ingress protection	» IP 66
Impact protection	» IK 09 » IK 10
EMC	» YES
Vibration test	» YES
Static load test	» YES
Corrosion test – Salty spray	» YES (1 500 hours)
Life test	» TM21
Certification	» ENEC » ENEC+ » Zhaga-D4i » IDA Dark Sky Approved
CB mark	» YES
RoHS	» YES
REACH	» YES

MOUNTING

Method	» pole or outrigger (48–60 mm) » adapter (60–76) (on request) » adjustable joint $\pm 20^\circ$
Recommended height	» up to 15 m

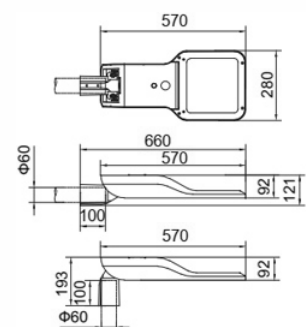
LIGHT DISTRIBUTION CURVE

ELEKTRA L M03 8k0 740



DIMENSIONS

ELEKTRA L



VARIANTS

DATASHEET ELEKTRA L

VARIANTS	WARM WHITE 722			WARM WHITE 727			WARM WHITE 730			NEUTRAL WHITE 740			Luminaire efficiency (lm/W)	WEIGHT
	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)		
min			max	min		max	min		max	min		max	Up to	Kg**
ELEKTRA L Mxx 14k0	—	—	—	94,8	11 938	12 977	87,5	11 904	12 940	80,2	11 741	12 763	159	9,2
ELEKTRA L Mxx 18k0	—	—	—	119	15 040	16 350	119	15 383	16 722	110,8	15 512	16 862	152	9,2
ELEKTRA L Mxx 22k0	—	—	—	142	18 905	20 551	146	19 000	20 654	118	18 340	19 936	169	9,2
ELEKTRA L Mxx 24k0	—	—	—	157	20 585	22 377	142	20 217	21 977	134	20 585	22 377	167	9,2
ELEKTRA L Mxx 26k0	—	—	—	173*	22 231	24 166	157	22 008	23 923	150	22 523	24 483	163	9,2
ELEKTRA L Mxx 28k0	—	—	—	—	—	—	173*	23 799	25 871	157	23 482	25 526	163	9,2
ELEKTRA L Mxx 30k0	—	—	—	—	—	—	—	—	—	173*	25 427	27 641	160	9,2
ELEKTRA L Lxx 14k0	—	—	—	79,7	12 032	12 555	79,7	12 597	13 146	72,4	12 233	12 765	169	9,2
ELEKTRA L Lxx 18k0	—	—	—	106	16 038	16 736	102,1	15 735	16 420	97,1	15 744	16 968	162	9,2
ELEKTRA L Lxx 24k0	—	—	—	147,2	21 318	22 246	137	20 980	21 894	132	20 992	22 624	159	9,2
ELEKTRA L Lxx 26k0	—	—	—	150	23 043	24 046	142	23 061	24 065	134	22 993	24 780	172	9,2
ELEKTRA L Lxx 28k0	—	—	—	164*	24 954	26 041	157	25 203	26 300	142	24 152	26 028	170	9,2
ELEKTRA L Lxx 30k0	—	—	—	—	—	—	172*	27 310	28 499	157	26 389	28 440	168	9,2

TRANSITION LUMINAIRES		POWER (W)		TYPICAL LUMINOUS FLUX (lm)		EFFICIENCY LUMINAIRE	SERVICE LIFE	
Name		Color temperature (K)						
Ra 70		4 000 (B124)	5 000 (T3Q51)	min	max	lm/W	L90B10 (hrs.)	Kilogram*
ELEKTRA L ZP01 18k0 740 B141/T3Q51		110,8	110,8	16 245	16 245	147	> 100 000	9,2
ELEKTRA L ZP01 22k0 740 B141/T3Q51		118	118	19 207	19 207	163	> 100 000	9,2
ELEKTRA L ZP01 26k0 740 B141/T3Q51		150	150	23 587	23 587	157	> 100 000	9,2
ELEKTRA L ZP02 18k0 740 B141/T3Q51		110,8	110,8	16 250	16 250	147	> 100 000	9,2
ELEKTRA L ZP02 22k0 740 B141/T3Q51		118	118	19 213	19 213	163	> 100 000	9,2
ELEKTRA L ZP02 26k0 740 B141/T3Q51		150	150	23 595	23 595	157	> 100 000	9,2
ELEKTRA L ZP03 18k0 740 B141/T3Q51		110,8	110,8	16 171	16 171	146	> 100 000	9,2
ELEKTRA L ZP03 22k0 740 B141/T3Q51		118	118	19 119	19 119	162	> 100 000	9,2
ELEKTRA L ZP03 26k0 740 B141/T3Q51		150	150	23 479	23 479	157	> 100 000	9,2
ELEKTRA L ZP06 18k0 740 B141/T3Q51		101,8	101,8	15 701	15 701	154	> 100 000	9,2
ELEKTRA L ZP06 20k7 740 B141/T3Q51		120	120	18 057	18 057	150	> 100 000	9,2
ELEKTRA L ZL04 18k0 740 B141/T3Q51		110,8	110,8	16 009	16 009	144	> 100 000	9,2
ELEKTRA L ZL04 22k0 740 B141/T3Q51		118	118	18 928	18 928	160	> 100 000	9,2
ELEKTRA L ZL04 26k0 740 B141/T3Q51		150	150	23 246	23 246	155	> 100 000	9,2
ELEKTRA L ZP06 18k0 740 B141/T3Q51		101,8	101,8	15 701	15 701	154	> 100 000	9,2
ELEKTRA L ZP06 20k7 740 B141/T3Q51		120	120	18 057	18 057	150	> 100 000	9,2

* Can not be produced under ENEC licence

** Weight may vary depending on the luminaire variant

Luminaire ambient temperature TQ 25 °C

Initial color consistency: ≤ 5 SDCM

IDA Dark Sky fixture seal of approval relates to ≤ 3 000 K

To meet IDA requirements, the luminaires must be installed horizontally with the road

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.

CODE DESCRIPTION

ELEKTRAL	II	M01	8k0	730	B124	45CAZ2	SJG	H3S	ENEC	
Name										
Class										
Without marking										Class I
II										Class II
Luminaire generation										
M01										Roads
L01										Roads
P01										Directional
U01										Area
ZP1/ZL1										Pedestrian crossings
K01										Combined optics
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 konektor, 4 pin (Dexal driver)
Z2										2x Zhaga konektor, 4 pin (Dexal driver)
N										NEMA connector, 7 pin (4 DIM driver)
S										Surge protection
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										