

IRIS

DATASHEET | SPECIFICATIONS



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)
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)
Constant lumen output	» CLO (C)

LIGHT PARAMETERS

Optical system	» roads (Mxx) » roads (Lxx) » directional (Pxx) » area (Uxx) » AMBER modul (Nxx) » AMBER optika (ALxx) » combined optics (Kxx) » BACK Light maska (BM2)
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	» mat
Cover	» tempered glass

SAFETY

Protection class	» I » II
Ambient operating temperature	» -40 / +55 °C
Electrical part protection	» IP 66
Optical part protection	» IP 66
Impact protection	» IK09

MOUNTING

Method	» pole (48–60 mm)
Recommended height	» up to 6 m

CHARACTERISTIC

Modern outdoor urban LED luminaire.

USE

- Pedestrian zones
- Outdoor areas
- Sidewalks
- Cycle paths
- Square



This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

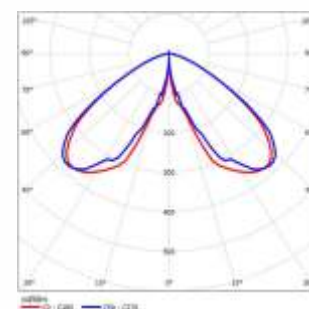
A++ A+ A C D

LED

ELEKTRO-LUMEN | IRIS 874/2012

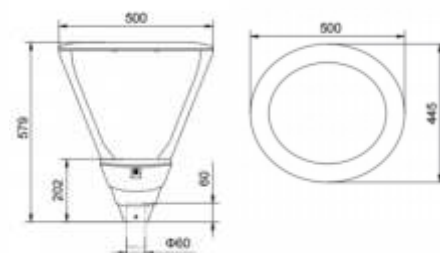
LIGHT DISTRIBUTION CURVE

IRIS U01



DIMENSIONS

IRIS



VARIANTS

DATASHEET IRIS

TYPE (chip 3535)	AMBER module (Nxx)	POWER (W)				TYPICAL LUMINOUS FLUX	SERVICE LIFE	WEIGHT
Name	Power consumption (W)	Color temperature (K)				Lumen (lm)	L90B10 (hours)	Kilogram (kg)*
		2 200	2 700	3 000	4 000			
IRIS Uxx ... 2k0 ...	16,4	16	13,9	13,9	12,6	2 000	> 100 000	9,8
IRIS Uxx ... 3k0 ...	27,2	23,4	20,9	19,6	18,3	3 000	> 100 000	9,8
IRIS Uxx ... 4k0 ...	39,8	33	28,1	26,8	24,3	4 000	> 100 000	9,8
IRIS Uxx ... 5k0 ...	50,9	43,4	35,5	33	31	5 000	> 100 000	9,8
IRIS Uxx ... 6k0 ...	61	44,4	45,5	41,1	38,3	6 000	> 100 000	9,8
IRIS Uxx ... 7k0 ...	—	53,7	47	42	41,2	7 000	> 100 000	9,8
IRIS Uxx ... 8k0 ...	—	63,5	54,3	49,3	47	8 000	> 100 000	9,8
IRIS Uxx ... 9k0 ...	—	—	63,3	59,3	54,4	9 000	> 100 000	9,8
TYPE (chip 5050)	AMBER optics (ALxx)	POWER (W)				TYPICAL LUMINOUS FLUX	SERVICE LIFE	WEIGHT
IRIS Lxx ... 2k0 ...	12,5	—	12,5	12,5	12,5	2 000	> 100 000	9,8
IRIS Lxx ... 3k0 ...	17,5	—	18	17,5	17,5	3 000	> 100 000	9,8
IRIS Lxx ... 4k0 ...	23,1	—	24,5	23,1	23,1	4 000	> 100 000	9,8
IRIS Lxx ... 5k0 ...	28	—	31,1	30,6	28	5 000	> 100 000	9,8
IRIS Lxx ... 6k0 ...	34,1	—	38	35,9	34,1	6 000	> 100 000	9,8
IRIS Lxx ... 7k0 ...	36,9	—	41,3	39,6	36,9	7 000	> 100 000	9,8
IRIS Lxx ... 8k0 ...	44	—	46,4	46,4	44	8 000	> 100 000	9,8
IRIS Lxx ... 9k0 ...	48,7	—	53,7	51,2	48,7	9 000	> 100 000	9,8

** Weight may vary depending on the luminaire variant

Luminaire ambient temperature TQ 25 °C

Initial color consistency: ≤ 5 SDCM

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.

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).

CODE DESCRIPTION

IRIS	II	U01	8k0	730	B121	45CAZ	SJG	H3S	ENEC	
Name										
Class										
Without marking										Class I
II										Class II
Optical system										
M01										Roads
L01										Roads
P01										Directional
U01										Area
K01										Combined optics
BM2										BACK light mask
Luminous flux marking (source)										
Ra 70 / 3,000 K										
LED module marking										
B										LED module type
1										
2										
1										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 (none DALI)
C										Constant luminous flux (CLO)
A										AstroDim
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)
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										