NITEKO
ILLUMINAZIONE

CATALOGUE 2023

Guida XS

- Excellent price/performance ratio thanks to the use of very high-efficiency LEDs
- Compact and pleasantly designed lighting body suitable for installations up to 7m above the ground
- Ideal for lighting pedestrian and cycling lanes, urban and residential roads
- Direct replacement of discharge lamps up to 100W

RoHS

Dasa-Rägister
UNI EN ISO 9001:2015
IQ-0818-01

Dasa-Rägister
EN ISO 14001:2015
IE-0115-01

Details

Guida **XS**	Guida **S**	Guida **M**
		

Mast arm mounting

Head-pole mounting

Quick opening system

Tool-free and quick opening system that facilitates installation and maintenance

Adjustable system

Integrated adjustable system for mast arm or head-pole mounting

Rotation

Minimum rotation: **-5°**
Maximum rotation: **+15°**
Steps: **5°**

Guida XS

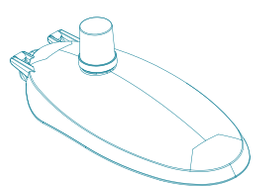
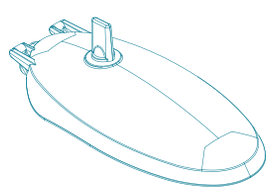
Technical features

Mean features	
Applications	Street lighting: residential and urban streets, squares, gardens, cycling lanes, parking
Device type	LED street lighting fixture
Mounting type	Head-pole, mast arm
Inclination	Head-pole: -5° ÷ +15° (step of 5°) | Mast arm: -5° ÷ + 15° (step of 5°)
Protection rating	IP66 | IK09
	Electrical protection: EOS Protection System
	Chemichal protection: VOC FREE
Actual power	12 ÷ 41 W
Nominal luminous flux	1.845 ÷6.950 lm (@ T_J=85°C, I_F<500mA)
Device light efficiency	Up to 160 lm/W
Temperature	Operating temperature: -40°C ÷ +50°C | Storage temperature: -40°C ÷ +80°C
Warranty	20 years or 100.000 hours
Energy rating	≥A++
Reference standards	EN 60598-1:2015 + A1:2018 | EN 60598-2-3:2003 + A1:2011 | IEC TR 62778:2014 | IEC 62471
	CISPR 15:2013 + AMD1| IEC 61547:2009 | IEC 61000-3-2:2018 | IEC 61000-3-3:2013 + AMD1
	EN 55015:2013 + AMD1 | EN 61547:2009 | EN 61000-3-2:2014 | EN 61000-3-3:2013
Patents and certifications	CE, RoHS, ENEC, IP66, IK09, Photobiological Safety, EOS Free, VOC Free, Zhaga D4i
Optical features	
Photometries	Asymmetric, elliptic, rotosymmetric, for pedestrian crossings
Light source	HI power LED
Colour temperature	2.200K | 2.700K | 3.000K | 4.000K | 5.000K | 5.700K
Colour rendering index	CRI>70 | CRI>80 | CRI>90
LED modules	Independent and replaceable
Optics	PMMA, modular and replaceable
Light source efficiency	Up to 210 lm/W
Light source life	>100.000 hours (L90B10 @ T_j=85°C, I_F<400mA)
Electrical features	
Power supply	Standard: 175 ÷ 264 V AC | 50 / 60 Hz
	Optional: 120 ÷ 277 V AC | 50 / 60 Hz
	Optional 24 V: 18 ÷ 32 V DC
	Optional 12 V: 9 ÷ 18 V DC
LED power current	I_F<500mA
Driver	Efficiency: η > 90 % | Power factor: PF >0,97 (Active PFC)
Insulation class	Standard: Class II | Optional: Class I
Electrical connection	Safety switch
Electrical protection	Common Mode 10kV | Differential Mode 6kV
	Additional electrical protection with SPD device: 10kV (C.M.) | 6kV (D.M) | 10 kA
Mechanical features	
Materials	Body: die-cast aluminium with built-in heat sink
	Screen: 4 mm transparent tempered glass
Dimensions	Head-pole mounting: 485 x 251 x 162 mm | Mast arm mounting: 514 x 251 x 128 mm
Weight	4,5 kg
Wind Exposure	Lateral: 0,03 m² | Frontal tilt (15°): 0,04 m² | Base: 0,10 m²
Colour	Standard: RAL 7024 (Anthracite black) | Optional: RAL colour on request

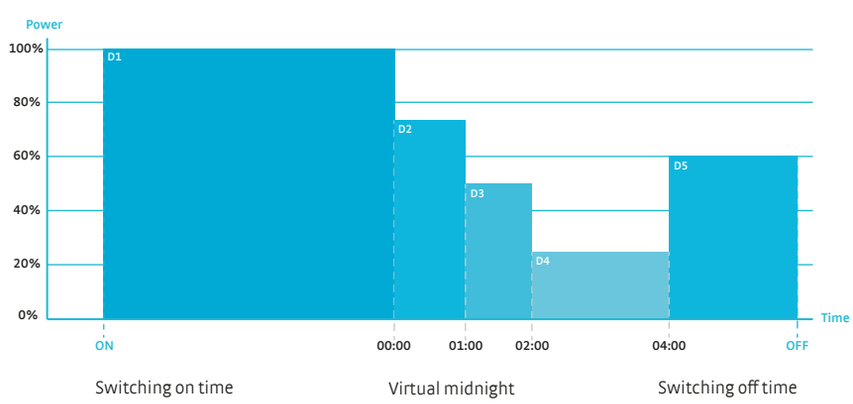
Tolerance: luminous flux +/-5%, power +/- 5%, dimensions +/-1%, weight +/-3%

Power and control systems

LP - Lite programmable	FP - Full programmable	SR - Full programmable sensor ready
PRG5: automatic control up to 5 profiles	**PRG5**: automatic control up to 5 profiles	**PRG5**: automatic control up to 5 profiles
DIM: 1-10V analogueue control	**DIM:** 1-10V digital control	**DALI:** DALI 2.0 digital control
CLO LITE: constant lighting control during the lifetime with a single profile	**CLO FULL:** constant lighting control during the lifetime up to 20 profiles	**CLO FULL:** constant lighting control during the lifetime up to 20 profiles
	PLV: Power Line Voltage control	**AUX**: auxiliary command 24V / 3W
	DCE: Interface for centralised emergency lighting	**DCE:** Interface for centralised emergency lighting

NEMASCK.7: Radio control by 7-PIN NEMA SOCKET device	**ZHAGASCK:** Radio control by ZHAGA SOCKET device
	

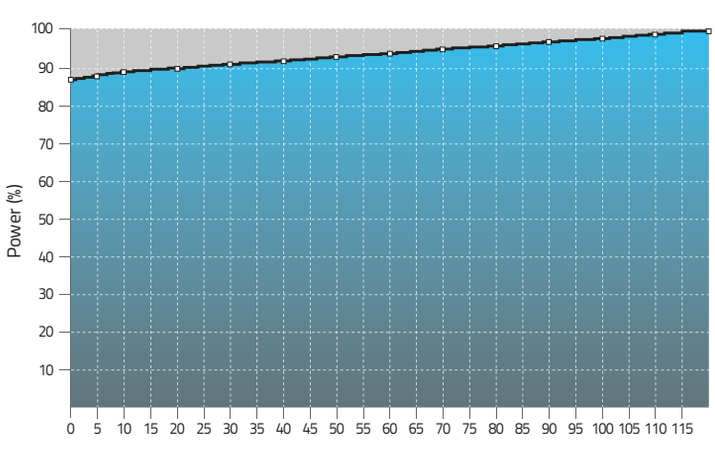
PRG module



The PRG module allows to control and reduce the luminous flux of the lighting fixture from 10% to 100% of the maximum value, without the use of dedicated cables.

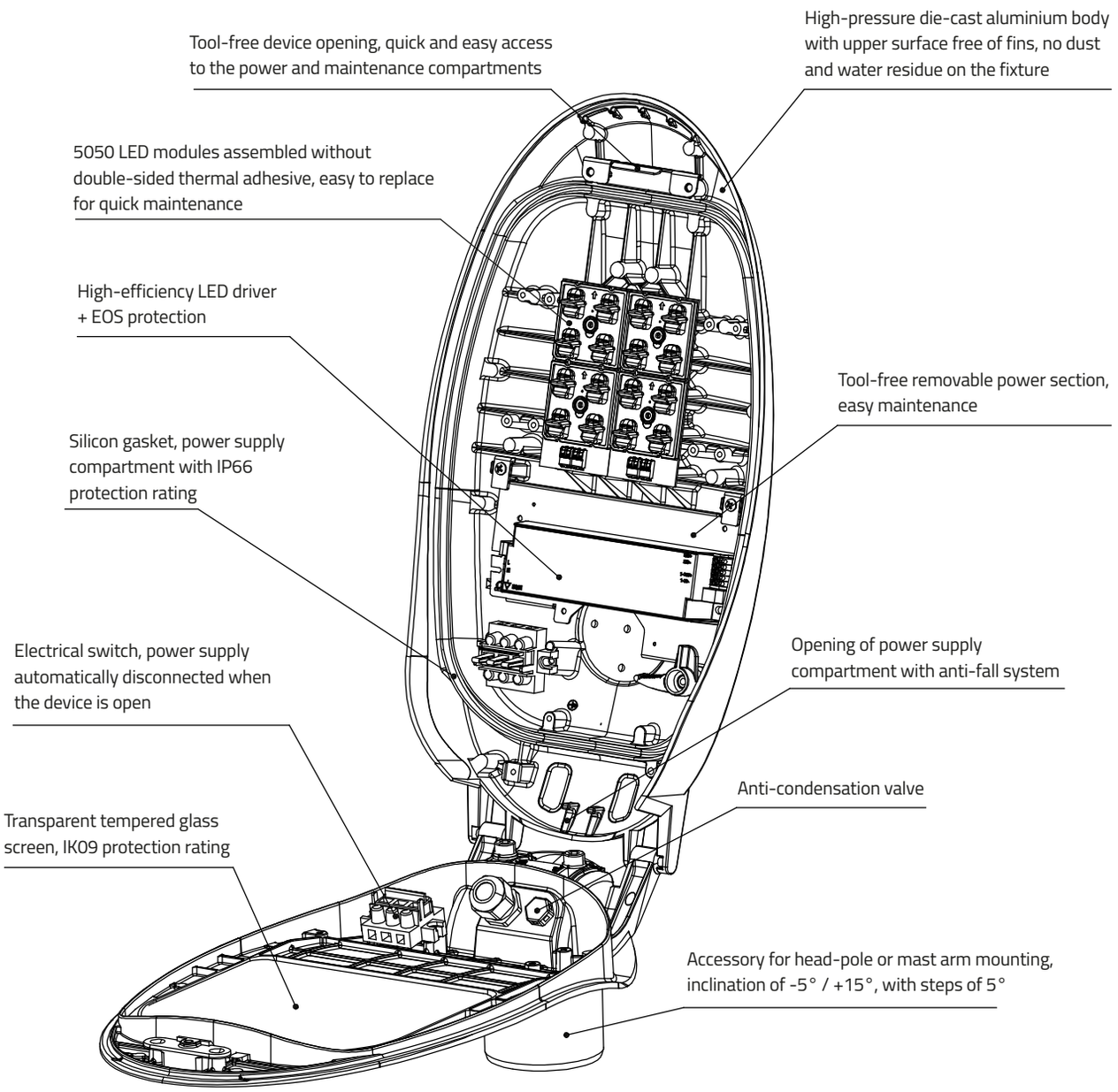
D1: Time frame ON - 23:59 → Power 100%
D2: Time frame 00:00 - 00:59 → Power 75%
D3: Time frame 01:00 - 01:59 → Power 50%
D4: Time frame 02:00 - 03:59 → Power 25%
D5: Time frame 04:00 - OFF → Power 60%

CLO FULL Function

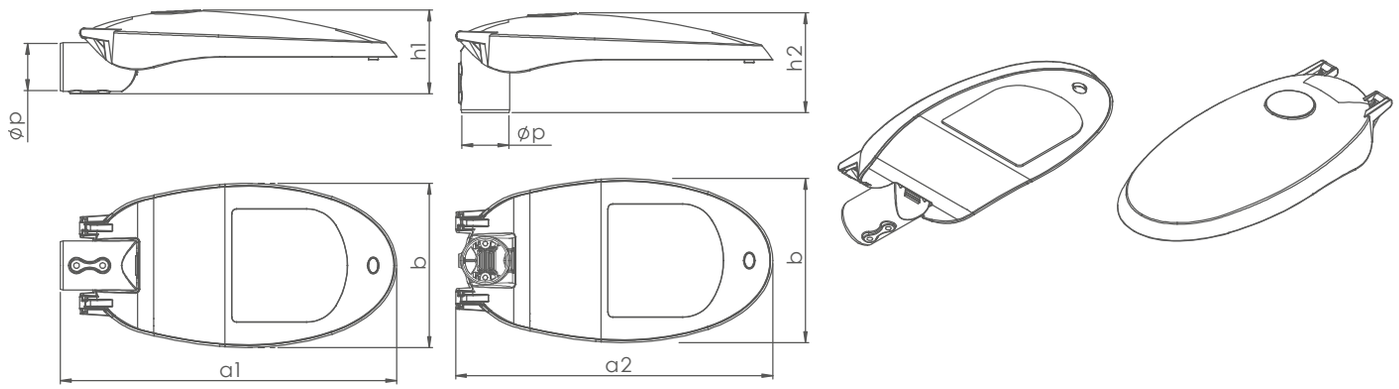


The CLO function allows to gradually increase the level of light output over time from a lower initial luminous flux up to 100%, thus compensating the luminous flux degradation of the LED module during the lighting fixture entire lifetime.
It can also serve as a means of reducing energy consumption.

Exploded view drawing



Guida XS



Dimensions	a1 = **514 mm** | a2 = **485 mm** | b = **251 mm** | h1 = **128 mm** | h2 = **162 mm** | Øp = **60÷48 mm** pole **- 90 mm** depth	Weight	**4,5 Kg**

GUIDA XS						
Product item code [ssmm-wwW-xxyy-zz-rr]	**Power supply**	**Power** [wwW]	**Nominal luminous flux** [xxyy]			
			4070 5070 5770	3070	2770 4080	2270 2780 3080 5790
	V	**W**	**lm**			
GUIDAXS-15W-xxyy-zz-rr	12 / 24 V D. C.	12,1	2.280	2.170	1.995	1.845
	230 V A. C.	15,9	2.650	2.520	2.315	2.143
GUIDAXS-20W-xxyy-zz-rr	12 / 24 V D. C.	17,5	3.125	2.980	2.735	2.530
	230 V A. C.	20,0	3.268	3.113	2.859	2.648
GUIDAXS-30W-xxyy-zz-rr	12 / 24 V D. C.	24,0	4.555	4.340	3.990	3.690
	230 V A. C.	30,0	5.283	5.040	4.630	4.290
GUIDAXS-40W-xxyy-zz-rr	12 / 24 V D. C.	35,0	6.250	5.955	5.470	5.065
	230 V A. C.	40,9	6.950	6.630	6.090	5.640

Item code composition

Series	Model		Power			CCT		CRI		Optic			RAL colour	
SS	**MM**	-	**WW**		-	**XX**		**YY**	-	**ZZ**		-	**RR**	
GUIDA	**XS**	-	**15W**	**30W**	-	**22**	2.200 K	**70**	CRI>70	-	**A****	Asymmetric (** = from 1 to 99)	-	**7024**	Anthracite bl.
			20W	**40W**		**27**	2.700 K	**80**	CRI>80		**AB****	Asymmetric (** = from 1 to 99)		**RRRR**	Optional RAL colour on request
						30	3.000 K	**90**	CRI>90		**E****	Elliptic (** = from 1 to 99)			
						40	4.000 K				**R****	Rotosymmetric (** = from 1 to 99)			
						50	5.000 K				**PCDX****	Right asymmetric (** = from 1 to 99)			
						57	5.700 K				**PCSX****	Left asymmetric (** = from 1 to 99)			

Lorem ipsum

Real flux multiplier - Light intensity class

In order to calculate the real flux of the device, the efficiency of the chosen optic must be multiplied by the nominal light flux value shown in the table.

Each optic corresponds to a class of light intensity G*.

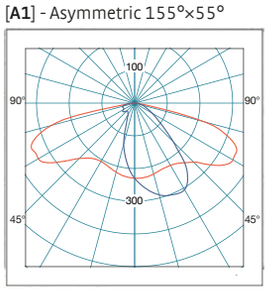
A1	0,84	G*6	**A2**	0,79	G*4	**A3**	0,77	G*6	**A4**	0,83	G*6	**A7**	0,63	G*4
A8	0,82	G*1	**A9**	0,85	G*4	**PCDX**	0,85	G*6	**PCSX**	0,85	G*6	**E3**	0,87	G*6

Photometric features

Guida XS

Asymmetric

[**A1**] - Asymmetric 155°×55°



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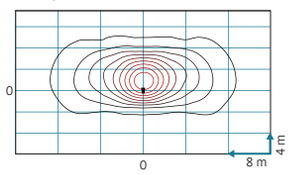
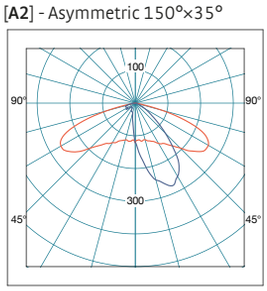


[**A2**] - Asymmetric 150°×35°



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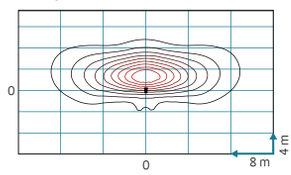
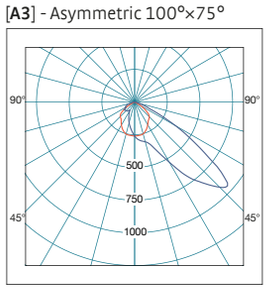


[**A3**] - Asymmetric 100°×75°



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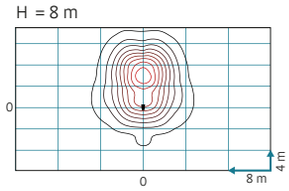
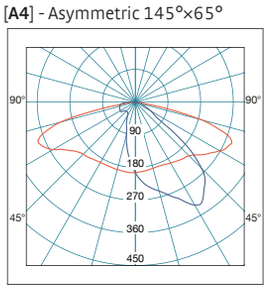


[**A4**] - Asymmetric 145°×65°



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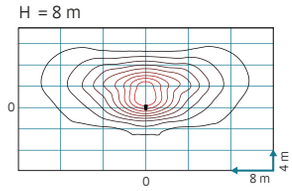
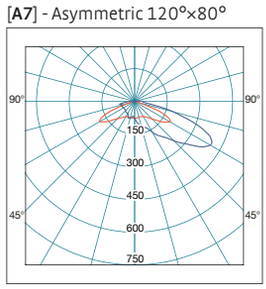


[**A7**] - Asymmetric 120°×80°



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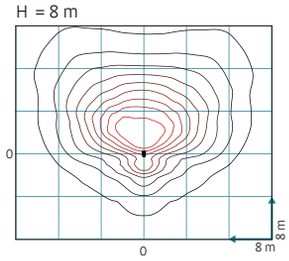
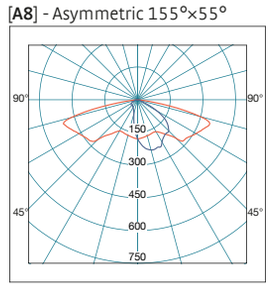


[**A8**] - Asymmetric 155°×55°



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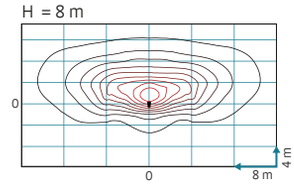
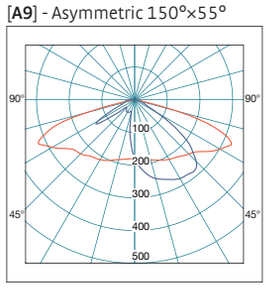


[**A9**] - Asymmetric 150°×55°



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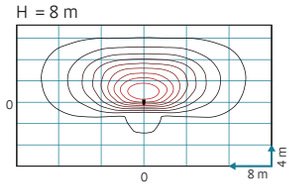
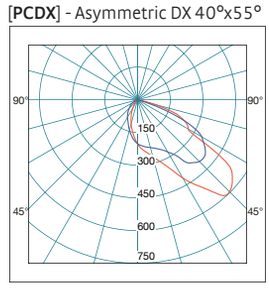


[**PCDX**] - Asymmetric DX 40°x55°



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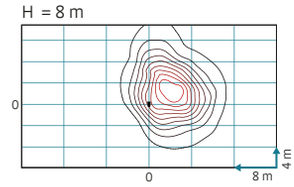
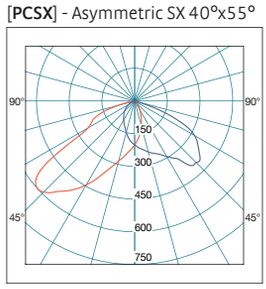


Elliptic

[**PCSX**] - Asymmetric SX 40°x55°



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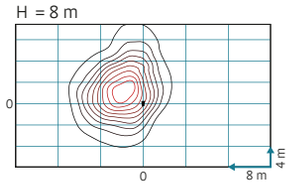
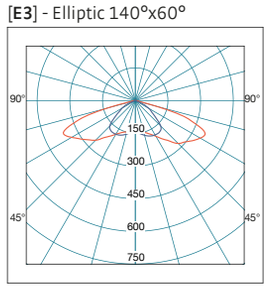


[**E3**] - Elliptic 140°x60°



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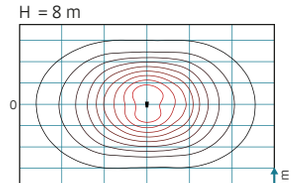

More photometries are available on request

Mounting options

Integrated adjustable system with 5° steps for head-pole or mast arm mounting.

HEAD-POLE
MOUNTING

MAST ARM
MOUNTING

Guida XS

> Installations

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