

S LUM Gen2



LUMENIA
STREET

S LUM light is our star energy-efficient product for street lighting, as it drastically reduces energy and maintenance costs. S LUM street lights feature a toolless, replaceable light engine and power supply. Other features include a post-top mounting bracket that is horizontally and vertically adjustable. This reliable luminaire has a long lifetime of more than 100,000 hours.

	S LUM GEN 2 STANDARD	S LUM GEN 2 PREMIUM
System efficacy	Up to 152 lm/W	Up to 152 lm/W
Supply voltage	220–240 VAC	220–240 VAC
LED	12-16 S LUM 1 24-48 S LUM 2	12-16 S LUM 1 28-48 S LUM 2
Power	S LUM 1: 30-55 W S LUM 2: 60-135 W	S LUM 1: 30-55 W S LUM 2: 60-135 W
Luminous flux	4,150-20,120 lm	4,150-20,120 lm
Power factor	>0.96	>0.96
EPA rating	0.0336 m ²	0.0406 m ²
Advisable installation height	Up to 8 m	Up to 15 m
Weight (kg)	6 kg	9 kg
Lifetime L80B10	>100,000 h	
Lifetime L90B10	>100,000 h (Premium)	
CCT	2700 K / 3000 K / 4000 K; other upon request	
CRI	≥70; ≥80 upon request	
Ingress protection	IP 66	
Mechanical strength	IK 09	
Surge protection options	10 kV / 6 kV; additional SPD 10 kV / 10 kA	
Operating temperature	-40 °C to +55 °C	
Electrical / Appliance class	Class I, Class II	
Tilt	-10° to 15°	
Dimming levels	0-100 %	
Remote control options	PLC or RF, DALI or 1-10V	
Colour (RAL)	RAL 7037	
Housing material	Aluminium	
Salt spray test	Yes (salt chamber test according to EN 60068 -2 -11:1999)	
Mounting	Pole 60 mm or 76 mm	
Warranty	5 years on electronics, 10 years on mechanical parts	
Certificates	IEC 60598-1:2014 (8. izdaja); IEC 60598-2-3:2002 + A1:2011; EN 60598-1:2015; EN 60598-2-3:2003 + A1:2011; IEC/EN 62031:2008 + A1 + A2; IEC/TR 62778:2014; EN60068-2-6; N60068-2-27:CE, ENEC, LM79, IES LM-82-12	

VARIATION	Standard	Premium
Efficacy	Up to 152 lm/W	Up to 152 lm/W
Tool-less entry	Yes	Yes
Overheat protection	Yes	Yes
Number of optics	8	8
Different CCT available	Yes	Yes
Surge protection option	Optional	Optional
Control options	DALI, optional RF & PLC	DALI, optional RF & PLC
Time dependant luminous flux	Yes	Yes



 DALI Control options	 152 lm/W System efficacy	 LED module LED module	 Energy saving product Energy saving product
 Smart Driver Smart Driver	 Overload protection Overload protection	 220-240V Supply voltage	 SPD Surge protection device
 IP 66 Protection class	 IK 09 Mechanical strength	 Long life Long life	 Appliance class I Appliance class I
 Appliance class II Appliance class II	 Easy mounting Easy mounting	 Made in EU Made in EU	 ENEC certificate ENEC certificate
 CE certificate CE certificate	 Recyclable materials Recyclable materials	 Dimming Dimming	

MAIN FEATURES

Efficacy up to 152 lm/W
Screw-less access
Die cast aluminium
IoT compatible

APPLICATIONS

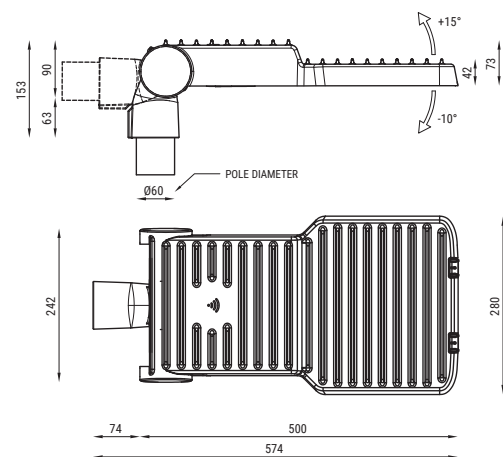
Road types: P1, P2, P3, P4, P5, P6, M1, M2, M3, M4, M5, M6
Smaller sport playgrounds
Parking lots

ACCESSORIES

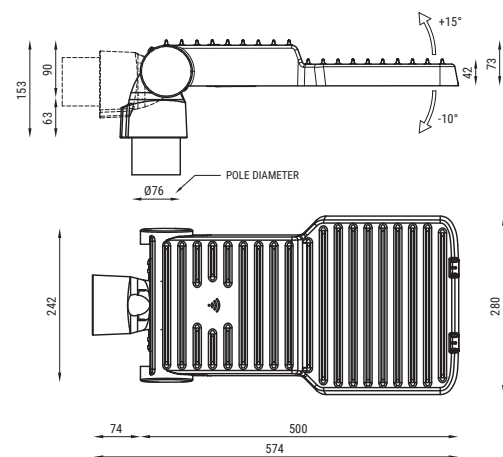
Surge protection device (SPD)
ZHAGA socket
NEMA socket
Integrated camera

DIMENSIONS

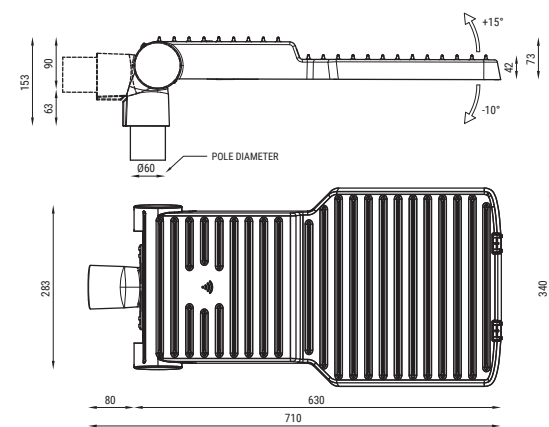
S LUM 1 + ROTOR $\Phi 60$ MM



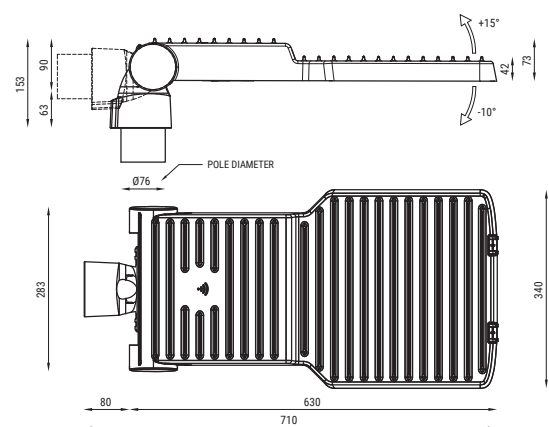
S LUM 1 + ROTOR $\Phi 76$ MM



S LUM 2 + ROTOR $\Phi 60$ MM

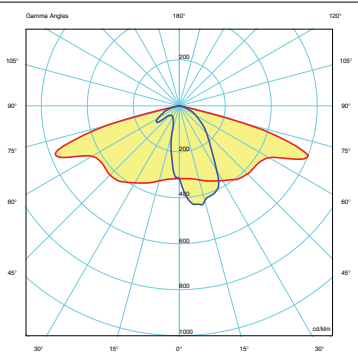


S LUM 2 + ROTOR $\Phi 76$ MM

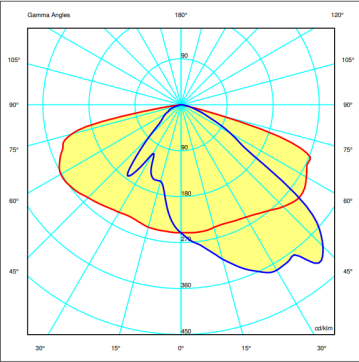


*All dimensions are in mm.

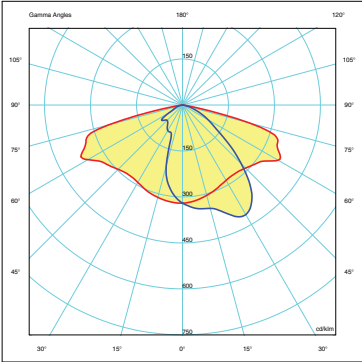
OPTICS



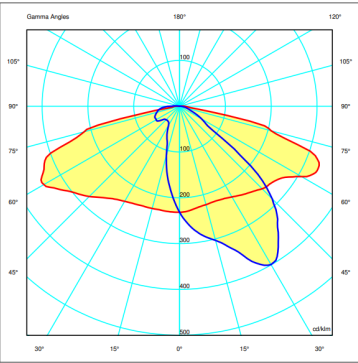
002: Suitable for narrower roadways, access roads, cycling and pedestrian areas.



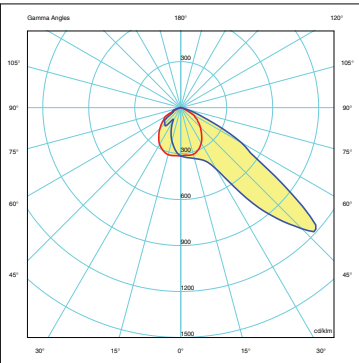
004: Suitable for larger distances between poles. High longitudinal uniformity factor.



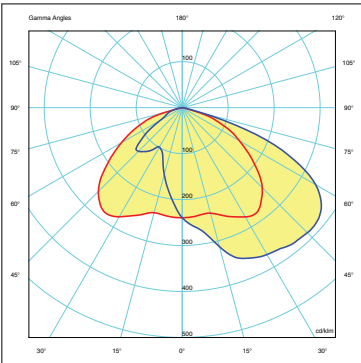
010: Suitable for larger distances between poles and high mounting installation. Higher uniformity factor.



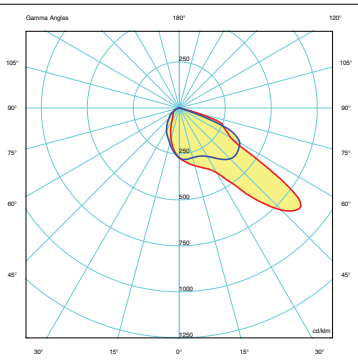
020: Suitable for wider roadways with large distances between poles.



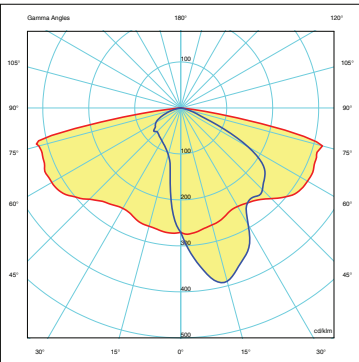
101: Suitable for small distances between poles and for parking spaces.



110: Suitable for wide roadways, smaller distances between poles and for parking spaces.



111: Suitable for pedestrian crossings.



220: Suitable for wide roadways and long distances between poles.

PRODUCT VARIATIONS

STANDARD Gen2

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	Forward current [mA]	Body type	Control	Appliance class	Additional options
S1S.T.SA.12.30._ _ _	12	30	Up to 4560/4320/4150	152/144/138	400	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S1S.T.SA.16.40._ _ _	16	40	Up to 6080/5760/5530	152/144/138	400	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S1S.T.SA.16.55._ _ _	16	55	Up to 7870/7455/7120	144/135/130	525	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, Lightswitch
S2S.T.SA.24.60._ _ _	24	60	Up to 9120/8640/8330	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2S.T.SA.32.80._ _ _	32	80	Up to 12150/11520/11100	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2S.T.SA.32.100._ _ _	32	100	Up to 14660/13900/13400	147/139/134	490	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2S.T.SA.48.120._ _ _	48	120	Up to 18220/17280/16660	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2S.T.SA48.135._ _ _	48	135	Up to 20120/19080/18220	149/141/135	440	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch

PREMIUM Gen2

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	Forward current [mA]	Body type	Control	Appliance class	Additional options
S1PT.SA.12.30._ _ _	12	30	Up to 4560/4320/4150	152/144/138	400	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S1PT.SA.16.40._ _ _	16	40	Up to 6080/5760/5530	152/144/138	400	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S1PT.SA.16.55._ _ _	16	55	Up to 7870/7455/7120	144/135/130	525	S LUM 1	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, Lightswitch
S2PT.SA.28.60._ _ _	28	60	Up to 9120/8640/8330	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2PT.SA.32.80._ _ _	32	80	Up to 12150/11520/11100	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2PT.SA.32.100._ _ _	32	100	Up to 14660/13900/13400	147/139/134	490	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2PT.SA.48.120._ _ _	48	120	Up to 18220/17280/16660	152/144/139	400	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch
S2PT.SA48.135._ _ _	48	135	Up to 20120/19080/18220	149/141/135	440	S LUM 2	DALI	Class I / Class II	SPD, PLC, RF, NEMA socket, ZHAGA socket, Lightswitch

*Luminous flux is valid for CCT 4000 K / 3000 K / 2700 K

The latest validated data is available at www.lumenia.com.