

E LUM

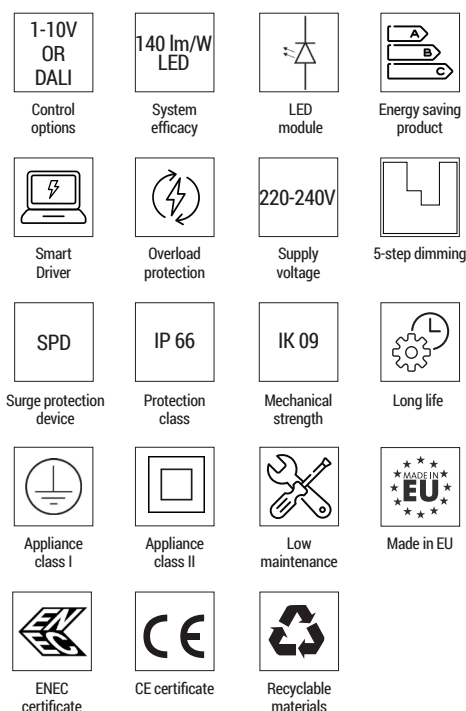
The E LUM LED light is a high-tech street light with a modern, extremely thin, aerodynamic design. It integrates seamlessly into all public and private outdoor areas, as well as all road types. The E LUM LED is an ideal choice for all categories of streets, parking lots, urban areas, and city centers. It is made of modern high-tech materials that have been tested in the automobile and medical industries.

	E LUM 1	E LUM 2
System efficacy	140 lm/W LED	140 lm/W LED
Supply voltage	220–240 VAC 50 ÷ 60 Hz	220–240 VAC 50 ÷ 60 Hz
LED	8-24	48-96
Power	10-80 W	80-190 W
Luminous flux	1,450-8,400 lm	8,490-24,000 lm
EPA rating	0.0552 m ²	0.0862 m ²
Advisable installation height	Up to 9 m	Up to 16 m
Weight	7 kg	15 kg
Lifetime L80B10	>65,000 h (Economy & Standard)	
Lifetime L90B10	>100,000 h (Premium)	
CCT	4,000 K, other upon request	
CRI	≥70, ≥80 upon request	
Ingress protection	IP 66	
Mechanical strength	IK 09	
Surge protection options	10 kV / 6kV; additional SPD 10 kV / 10 kA	
Operating temperature	-40 °C to +55 °C	
Electrical / Appliance class	Class I, Class II	
Tilt	0° to 90°	
Dimming levels	0-100 %	
Remote control options	PLC or RF, DALI or 1-10V	
Colour (RAL)	RAL 7037	
Housing material	Aluminium	
Mounting	Pole 60 mm (possible adapter use for other dimensions)	
Warranty	5 years on electronics, 10 years on mechanical parts	
Certificates	EN 55015:2013, EN 61547:2009, EN61000-3-2:2006 + A1:2009 + A2:2009, EN61000-3-3:2013, EN60598-2-3:2003 + A1:2011 in conjunction with 60598-1:2015, ENEC, CB, CE	

VARIATION	Economy	Standard	Premium
Efficacy	Up to 96 lm/W	Up to 112 lm/W	Up to 140 lm/W
Overheat protection	/	Yes	Yes
Power reduction	/	Yes	Yes
Time dependant luminous flux	/	Yes	Yes
CLO	/	Yes	Yes
Number of optics	8	8	8
Different CCT available	/	Yes	Yes
Control options	/	Optional	Optional
Surge protection options	/	Optional	Optional



**LUMENIA
STREET**



MAIN FEATURES

High efficacy - up to 140 lm/W
Dynadimmer,
1-10V or DALI,
IoT compatible

APPLICATIONS

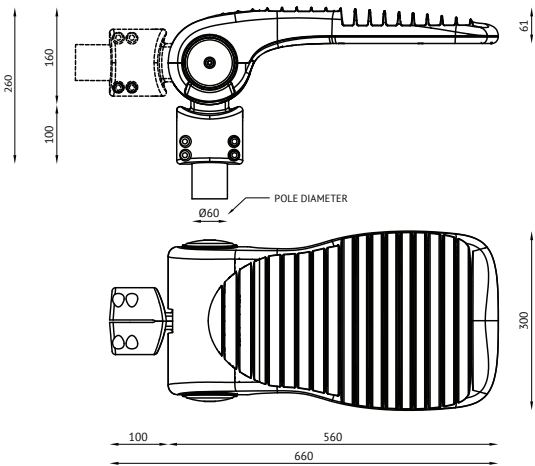
Road types: P1, P2, P3, P4, P5, P6, M1, M2, M3, M4, M5, M6
Smaller sport playgrounds
Parking lots

ACCESSORIES

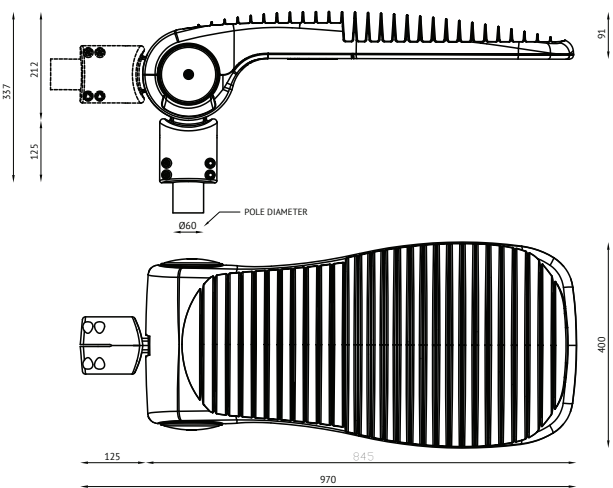
Wall and pole mounting adapters
Surge protection device (SPD)
Nema Socket (lighting sensor)
PLC and RF control options
Integrated camera

DIMENSIONS

E LUM 1



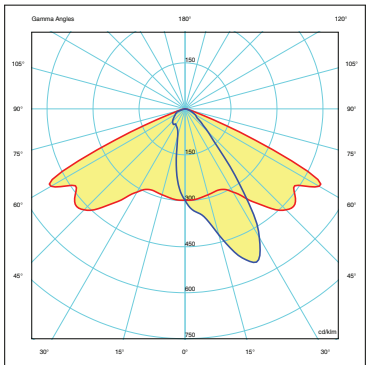
E LUM 2



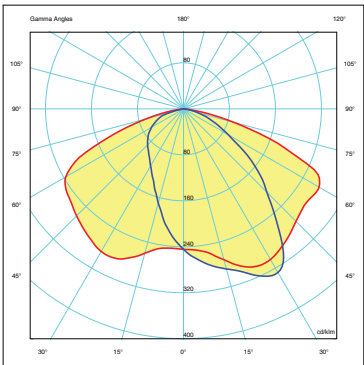
*All dimensions are in mm.

OPTICS

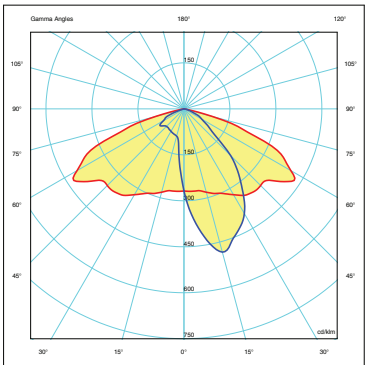
ALL OPTICS



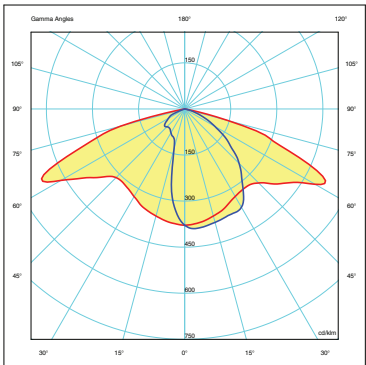
000: Suitable for high installation, larger distances between poles and for parking spaces.



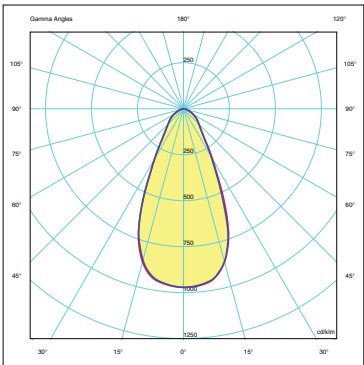
001: Suitable for wider roadways and smaller distances between poles and for parking spaces.



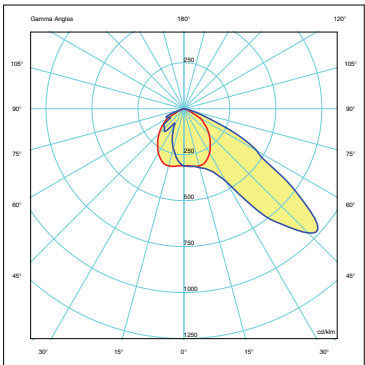
002: Suitable for narrower roadways, access roads, cycling and pedestrian areas.



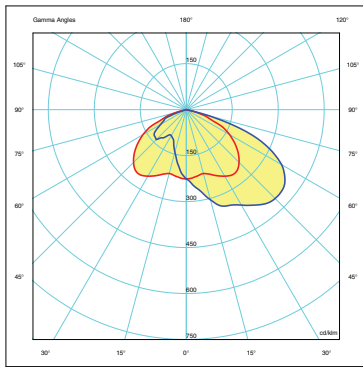
010: Suitable for larger distances between poles and for high mounting installation. Higher uniformity factor.



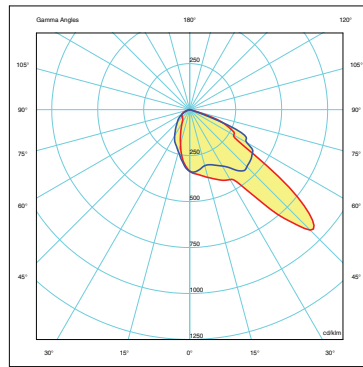
100: Suitable for parking spaces and pedestrian crossings.



101: Suitable for parking spaces. Small distances between poles are required.



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



111: Suitable for pedestrian crossings.

PRODUCT VARIATIONS

ECONOMY

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	Forward current [mA]	Optics available	Body type	Control	Luminaires per fuse	Appliance class	Additional options
E LUM ES 12.030._ _ _	12	30	Up to 2850	95	700	8	E LUM 1	/	<21 pcs	Class I / Class II	SPD, Lightswitch
E LUM ES 24.060._ _ _	24	60	Up to 6000	100	700	8	E LUM 1	/	<11 pcs	Class I / Class II	SPD, Lightswitch

*Luminous flux is valid for CCT 4000 K

STANDARD

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	Forward current [mA]	Optics available	Body type	Control	Luminaires per fuse	Appliance class	Additional options
E LUM 08.015._ _ _	8	15	Up to 1450	97	540	8	E LUM 1	DALI or 1-10V	<50 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 12.030._ _ _	12	30	Up to 2850	95	700	8	E LUM 1	DALI or 1-10V	<21 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 24.060._ _ _	24	60	Up to 6000	105	350	8	E LUM 1	DALI or 1-10V	<21 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 24.080._ _ _	24	80	Up to 8400	105	950	8	E LUM 1	DALI or 1-10V	<11 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 48.080._ _ _	48	80	Up to 8490	106	470	8	E LUM 2	DALI or 1-10V	<11 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 48.120._ _ _	48	120	Up to 11450	95	700	8	E LUM 2	DALI or 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 80.095._ _ _	80	95	Up to 10500	111	340	8	E LUM 2	DALI or 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 80.140._ _ _	80	140	Up to 14900	106	500	8	E LUM 2	DALI or 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch
E LUM 96.190._ _ _	96	190	Up to 19350	102	560	8	E LUM 2	DALI or 1-10V	<4 pcs	Class I / Class II	SPD, PLC, RF, Nema Ready, Lightswitch

*Luminous flux is valid for CCT 4000 K

PREMIUM

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	Forward current [mA]	Optics available	Body type	Control	Luminaires per fuse	Appliance Class	Additional options
E LUM PR 8.015.---	8	15	Up to 1670	111	350	8	E LUM 1	DALI or 1-10V	<50 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 12.030.---	12	30	Up to 3350	112	700	8	E LUM 1	DALI or 1-10V	<21 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 24.060.---	24	60	Up to 6450	107	950	8	E LUM 1	DALI or 1-10V	<11 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 24.080.---	24	80	Up to 8400	105	950	8	E LUM 1	DALI or 1-10V	<11 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 48.080.---	48	80	Up to 8490	106	470	8	E LUM 2	DALI or 1-10V	<11 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 48.120.---	48	120	Up to 14000	117	700	8	E LUM 2	DALI or 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 80.095.---	80	95	Up to 12000	126	340	8	E LUM 2	DALI or 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 80.140.---	80	140	Up to 16700	119	500	8	E LUM 2	DALI, 1-10V	<9 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch
E LUM PR 96 190.---	96	190	Up to 24000	126	510	8	E LUM 2	DALI or 1-10V	<4 pcs	Class I / Class II	SPD, PLC, RF, Nema 3p Ready, Lightswitch

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

NOTES

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