

Luma Lite

IP 66

IK 09

Class I

Class II 



Luma Lite is a REVOLED™ road lighting range with clear identity, offering perfectly cooled solutions for all streets and roads. The Lite range offers maximised flux per LED for an acceptable expected service life, to limit initial luminaire costs. The real flat design prevents upward light and the OPTIFLUX™ lens optics range meet current lighting standards in an effective way.

Lamps LED

MiniLuma Lite

up to 40 LED

from 2,450 to 10,350 lumen

Luma Lite 1

up to 80 LED

from 4,050 to 20,400 lumen

Luma Lite 2

up to 120 LED

from 12,000 to 30,300 lumen

Luma Lite 3

up to 200 LED

from 19,950 to 49,600 lumen

- 1 **Housing** the canopy (1a) and frame (1b) are made of very corrosion resistant die-cast (LM6-quality) aluminium in RAL 7035 (light grey).
- 2 **Bowl** in flat toughened glass to prevent upward light according glare classification up to G4. Fixed to the frame with metal clips for easy replaceability. Very high light transmission to optimise the Light Output Ratio.
- 3 **Spigot** made of die-cast (LM6-quality) aluminium, unpainted. Universal post top / side entry spigot for Ø 42-60mm (Luma Lite 2 / Luma Lite 3) and Ø 32-60mm (MiniLuma Lite / Luma Lite 1). Or separate spigot for post top Ø 76mm. For small column diameters extra long bolts are available.
- 4 **Mounting** with two stainless steel M10 bolts (extra long bolts for small column can be ordered with luminaire).
- 5 **Opening / closing** (only for cable connection and in case of LED module or driver replacement). Closing clip made of very corrosion resistant die-cast (LM6-quality) aluminium, unpainted, fixed to the frame with stainless steel spring, for easy and tool-less operation (5a). Canopy with LED module and gear tray hinges upwards and is secured by a stainless steel locking bar (2 positions), making the LED module and gear tray safely accessible from below (5b). Safe Maintenance Technology (SMT) safety switch disconnects power on opening (5c).



- 6 **Gear tray** made of aluminium, downward hinged for easy access to components, tool-less removable after disconnecting the plug.
- 7 **Gear** in MiniLuma Lite, Luma Lite 1 and Luma Lite 2 maximum two LED drivers and maximum three in Luma Lite 3 (depending on LED quantity). The drivers operate at fixed high current (700mA) to maximise light output.
- 8 **Gasket** IP 66 for complete luminaire, by silicon gaskets between frame and canopy (8a) and between frame and glass (8b). Cable gland double breathing (10).
- 9 **Temperature protection** in case of temperature reaching predefined critical levels, the drivers have a built-in protection, which initially dims down and eventually switches off the light.
- 10 **Cable connection** M20 cable gland with strain relief, for cable Ø 10-14mm.
- 11 **Electrical connection**
Class II: Neutral / Phase are connected to safety switch; for Class I earth wire to be connected on earth stud in housing.



MiniLuma Lite
Post top Ø 76mm



MiniLuma Lite
Side entry Ø 32-60mm/
Post top Ø 60mm



Luma Lite 1
Post top Ø 76mm



Luma Lite 1
Side entry Ø 32-60mm/
Post top Ø 60mm



Luma Lite 2
Post top Ø 76mm



Luma Lite 2
Side entry Ø 42-60mm/
Post top Ø 60mm



Luma Lite 3
Post top Ø 76mm



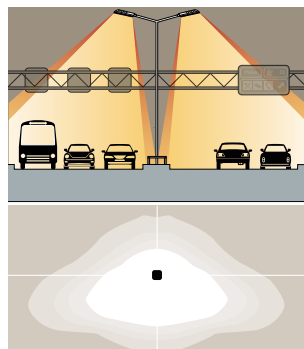
Luma Lite 3
Side entry Ø 42-60mm/
Post top Ø 60mm

Luma Lite

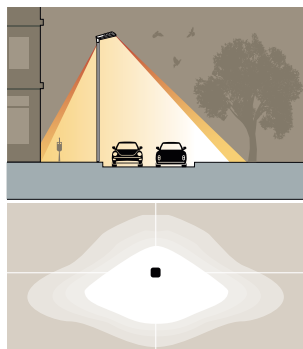
CHARACTERISTICS

OPTIFLUX™ optical technology

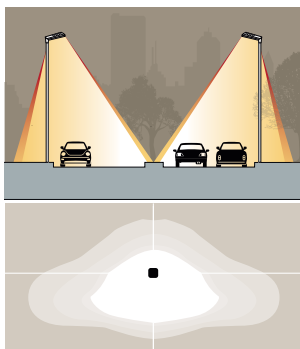
In Luma Lite a number of lens optics are available to match the variety of ME, CE and S lighting classes and road / street geometries internationally. The high performance OPTIFLUX™ lenses are fixed within a high reflecting frame, in order to maximise the Light Output Ratio (up to ~92%). In combination with the tilt adjustment options in Luma Lite this gives a high project flexibility.



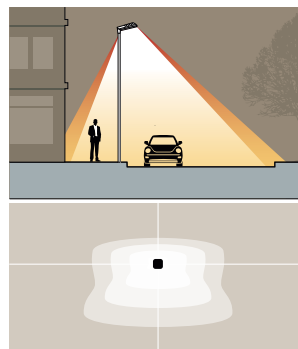
R1 - Medium distribution for ME1-2 and lower.



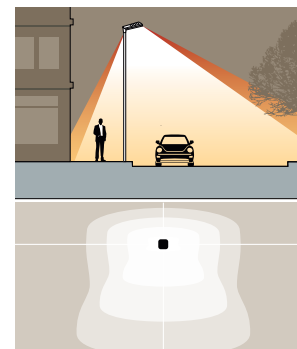
R2 - Typical distribution for relatively narrow ME geometries.



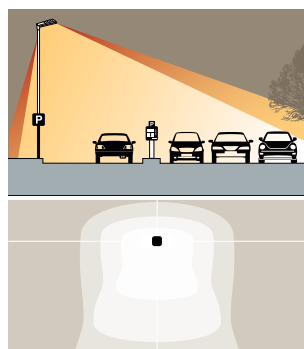
R3 - Medium distribution for ME3 and lower.



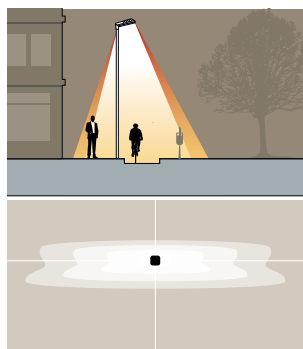
R4 - Medium distribution for S-Class.



R5 - Wide distribution for S-Class.



R6 - Extra Wide distribution for S-Class.



R7 - Narrow distribution for S-Class.

Luminaire tilt adjustment

To optimise the light distribution for varying road geometries and / or glare restrictions, the tilt angle can easily be adjusted on installation, by positioning the two spigot bolts in the right setting (tilt angles clearly marked on the spigot).



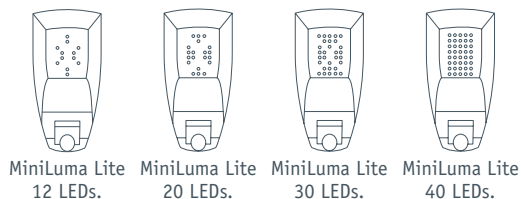
Post top: 0, +5 and +10 degrees.



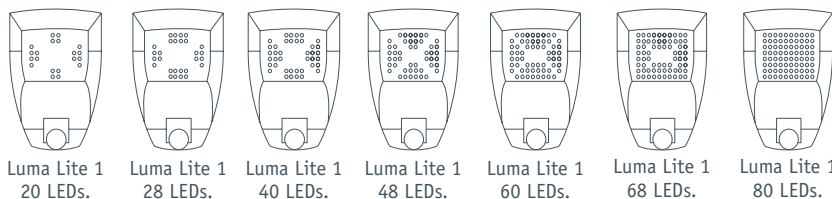
Side entry: -10, -5, 0, +5 and +10 degrees.

LED configurations

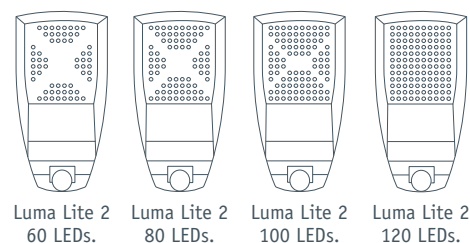
The Luma has several standard LED configurations available, offering a wide range of lighting solutions.



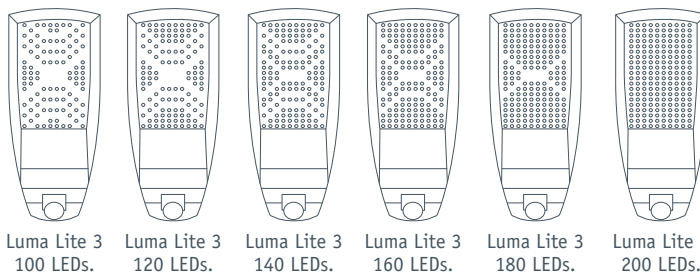
MiniLuma Lite 12 LEDs. MiniLuma Lite 20 LEDs. MiniLuma Lite 30 LEDs. MiniLuma Lite 40 LEDs.



Luma Lite 1 20 LEDs. Luma Lite 1 28 LEDs. Luma Lite 1 40 LEDs. Luma Lite 1 48 LEDs. Luma Lite 1 60 LEDs. Luma Lite 1 68 LEDs. Luma Lite 1 80 LEDs.

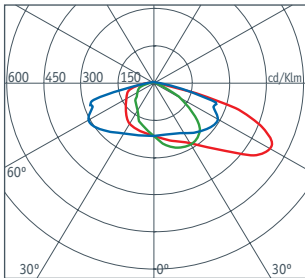


Luma Lite 2 60 LEDs. Luma Lite 2 80 LEDs. Luma Lite 2 100 LEDs. Luma Lite 2 120 LEDs.



Luma Lite 3 100 LEDs. Luma Lite 3 120 LEDs. Luma Lite 3 140 LEDs. Luma Lite 3 160 LEDs. Luma Lite 3 180 LEDs. Luma Lite 3 200 LEDs.

Luma Lite

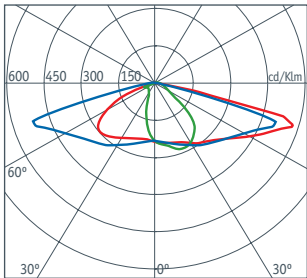


Optic
R1

Lamp
120LED

Performance
ULOR: 0%
DLOR: 93%






















Luma Lite



Optic
R4

Lamp
120LED

Performance
ULOR: 0%
DLOR: 92%

MODEL	TYPE	SHAPE	REFLECTOR	PSYS	COLOUR TEMP. / LUMENS						W.a. (m²)	Kg
			R1 - R7	(Watt)	CW		NW		WW			
					lm	lm/W	lm	lm/W	lm	lm/W		
MiniLuma Lite	12LED		•	30W	3,200	107	2,950	98	2,450	82	0.055	9.5
	20LED		•	48W	5,250	109	4,900	102	4,000	83		9.5
	30LED		•	70W	7,850	112	7,250	103	6,000	86		9.5
	40LED		•	94W	10,350	110	9,600	102	7,900	84		9.5
	(no driver)											9.0
Luma Lite 1	20LED		•	48W	5,300	110	4,900	102	4,050	84	0.057	11.0
	28LED		•	66W	7,400	112	6,850	104	5,650	86		11.0
	40LED		•	93W	10,500	113	9,700	104	8,000	86		11.0
	48LED		•	111W	12,550	113	11,600	104	9,550	86		11.0
	60LED		•	136W	15,500	114	14,350	105	11,900	87		11.0
	68LED		•	154W	17,550	114	16,200	105	13,400	87		11.0
	80LED		•	185W	20,400	110	18,850	102	15,650	85		11.5
	(no driver)											10.0
Luma Lite 2	60LED		•	137W	15,700	115	14,500	106	12,000	88	0.067	14.5
	80LED		•	186W	20,650	111	19,100	103	15,800	85		15.5
	100LED		•	228W	25,450	112	23,550	103	19,550	86		15.5
	120LED		•	276W	30,300	110	28,000	101	23,250	84		15.5
	(no driver)											13.5
Luma Lite 3	100LED		•	230W	26,100	113	24,150	105	19,950	87	0.079	19.5
	120LED		•	272W	30,950	114	28,650	105	23,700	87		19.5
	140LED		•	315W	35,900	114	33,200	105	27,500	87		19.5
	160LED		•	363W	40,550	112	37,500	103	31,150	86		19.5
	180LED		•	405W	45,200	112	41,800	103	34,750	86		20.5
	200LED		•	446W	49,600	111	45,850	103	38,200	86		20.5
	(no driver)											17.5

For the tolerances on flux and / or system power values applicable,
please see the installation guide of the product.

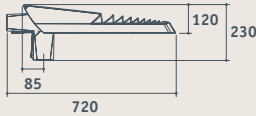
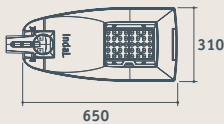
W.a. (Windage area)
Kg (Weight)
Psys (Total system power)

To minimise LED quantities and therefore initial luminaire costs, the Luma Lite concept maximises lumen
packages at an acceptable minimum expected LED life time (80,000h / L80F10) and with still considerable energy reduction.

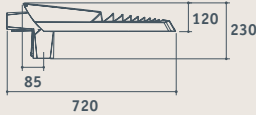
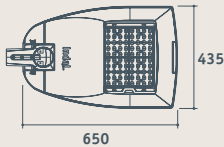
OPTIONS

Wired for cell (WFC), mini Photocell or NEMA socket

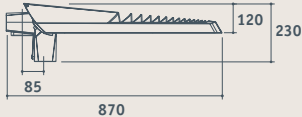
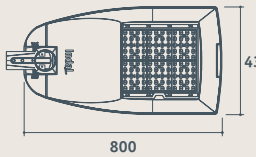
MiniLuma Lite



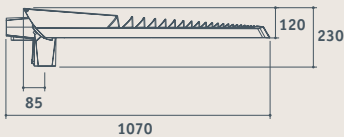
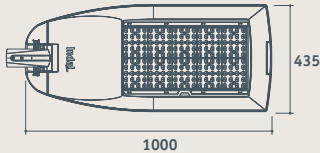
Luma Lite 1



Luma Lite 2



Luma Lite 3



Mounting details

