

Louis

Luminaire

Urbidermis Team
2023



Product description

Certificates



Finishes

Body



Anodised black

Cover



White



Medium grey

The finishes shown are purely indicative. With **Superior** protection: high corrosion resistance for environments with demanding climate conditions. For coastal areas with severe climate conditions, check out our Premium protection finish. Other colours are available upon request.

Materials

- Luminaire made of extruded aluminium 6063 T5 and anodised injection-moulded aluminium AC-47100 with powder-coated finish.
- Tempered optical glass diffuser with silicone sealing gaskets.
- A2 stainless steel hardware and metal cable gland.

Installation

- The accessory is attached to the luminaire. Hang the assembly on the catenary cable.
- Steel cable which can be used: Ø4-6 mm.
- Installation instructions and hardware included.
- Cable for catenary not included.
- Clean using pH neutral, alcohol-free, non-abrasive cleaning products. The optical glass can be cleaned with non-abrasive cleaning products.

Regulations

- UNE-EN 60529
- UNE-EN 60598
- UNE-EN 55015
- UNE-EN 61000
- UNE-EN 50102
- UNE-EN 62031
- Lighting system with CE marking from a laboratory certified by ENAC [Spanish National Accreditation Body].
- IP66 (hermetically protected from penetration of dust and water jets).
- Suitable for wet areas.
- IK07 (protected from external mechanical impacts).
- Electrical class: Class I (CE)

Technical information

System power (W)

High efficiency optical unit
18 LEDs 20W, 29W, 40W
36 LEDs 40W, 57W, 80W

Operating current (mA)

350 / 500 / 700

Colour temperature (K)

3000 CRI min80 2200 CRI min70
2700 CRI min80 PC Amber CRI min40

Other colour temperatures and/or CRIs are available upon request.

Power supply

Constant current driver.

Protocols and control

Protocols

- 1-10V protocol
- Dali protocol

Control

- Dynamic programming
- Analogue control

Functionalities

- Constant Luminous Management (CLM)
- Temperature control
- Surge protector

Recommended cable

0.6-1kV
5 x 1.5 mm²
3 x 2.5 mm²

Operating voltage

220-240V 50-60Hz (CE)

Nominal operating temperature (°C)

Ta 35

Service life

TM21 L90 (10k) > 100,000 h
Luminous flux is maintained at 90% after 100,000 h.

Upper Hemisphere Flux (UHF%)

0

Surface exposed to wind (m²)

18 LEDs: SV 0.08
36 LEDs: SV 0.17

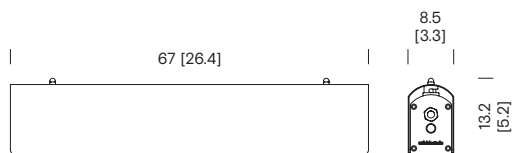
Weight kg [lb]

18 LEDs: 4.5 [9.7]
36 LEDs: 8 [17.6]
Approximate weight without packaging.

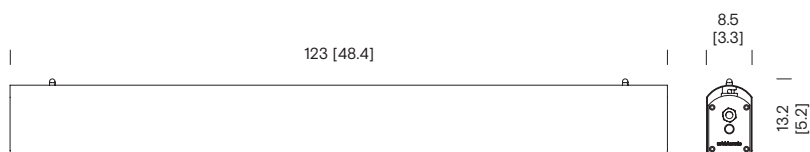
Power factor (cos Φ)

Current (mA)	P (W) 100% CLO 90%	
	18 LEDs	36 LEDs
350	0.93	0.95
500	0.95	0.97
700	0.97	0.98

Dimensions cm [in]

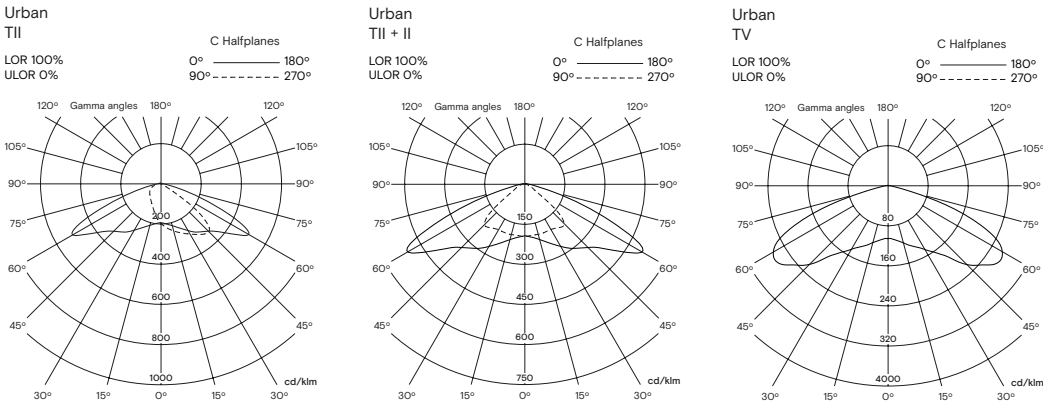


LO1L18
LO2L18



LO1L36
LO2L36

Lighting distributions



Louis					IESNA **TII		IESNA **TII+II		IESNA **TV	
Reference	System power (W)	No. of LEDs	Colour temperature (K)	Current (mA)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)	Luminous flux (lm)	Luminous efficacy (lm/W)
LO*L18A1**	20	18	3000 CRI min80	350	2041	102	2041	102	2145	107
LO*L18B1**	29			500	2832	98	2832	98	2976	103
LO*L18C1**	40			700	3766	94	3766	94	3985	100
LO*L18A3**	20		2700 CRI min80	350	2041	102	2041	102	2145	107
LO*L18B3**	29			500	2832	98	2832	98	2976	103
LO*L18C3**	40			700	3766	94	3766	94	3985	100
LO*L18A4**	20		2200 CRI min70	350	1790	90	1790	90	1881	94
LO*L18B4**	29			500	2484	86	2484	86	2610	90
LO*L18C4**	40			700	3304	83	3304	83	3496	87
LO*L18A5**	20		PC Ámbar CRI Amber	350	1246	62	1246	62	1309	65
LO*L18B5**	29			500	1675	58	1675	58	1761	61
LO*L18C5**	40			700	2016	50	2016	50	2133	53
LO*L36A1**	40	36	3000 CRI min80	350	4137	103	4137	103	4443	111
LO*L36B1**	57			500	5700	100	5700	100	6121	107
LO*L36C1**	80			700	7663	96	7663	96	8165	102
LO*L36A3**	40		2700 CRI min80	350	4137	103	4137	103	4443	111
LO*L36B3**	57			500	5700	100	5700	100	6121	107
LO*L36C3**	80			700	7663	96	7663	96	8165	102
LO*L36A4**	40		2200 CRI min70	350	3629	91	3629	91	3897	97
LO*L36B4**	57			500	5000	88	5000	88	5369	94
LO*L36C4**	80			700	6722	84	6722	84	7162	90
LO*L36A5**	40		PC Amber CRI min40	350	2526	63	2526	63	2712	68
LO*L36B5**	57			500	3372	59	3372	59	3621	64
LO*L36C5**	80			700	4102	51	4102	51	4371	55
Opal					-20%		-20%		-20%	