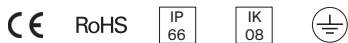


Sizes in cm



**Materials:** Recycled injected aluminium luminaire with paint finish. Painted injected aluminium accessories with same paint finish.  
Tempered optical glass diffuser.  
Adaptable to 127 mm cylindrical pole.  
Delivered in two parts: luminaire and clamp.  
Instructions, screws, template and pole anchor bolts included.

**Finishes:**



Light grey (RAL 9006)  
(Other colors available to order)



Dark grey (RAL 7024).

**Sizes (cm):** 109 x 20 x 10

**Weight (Kg):** 15

**Surface exposed to wind (m<sup>2</sup>):** 0.29

**Installation:** Suitable for pole and wall attachment using a range of fastening accessories.  
The element is delivered in two parts: luminaire and luminaria fastening attachments.  
(For further information log onto [urbidermis.com](http://urbidermis.com))

**Applicable standards:** UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031.

**Protections:** IP66 (protection from dust ingress and high-pressure water jets), suitable for wet locations, IK08 (protection against external mechanical impacts)

**Electrical class:** Class I (CE)

**Light source:** High-efficiency optical unit with 24, 48 or 72 LEDs

**Nominal lamp power (W):**

24 LEDs:	24	34	48
48 LEDs:	48	68	96
72 LEDs:	72	103	144

**System power (W):**

24 LEDs:	28	40	56
48 LEDs:	53	75	106
72 LEDs:	78	112	157

**Operating current (mA):** 350, 500, 700

**Color temperature (K):** 3000 CRI min80, 4000 CRI typ70

**Power supply:** Constant current driver

**Regulation:**

1-10V / Dali / Header flux regulation / Programmable automatic regulation.

The LED luminaire may be regulated using a number of differing interfaces. These controls allow specific, individual control of light, reducing energy consumption in a sustainable manner.

Constant light output (CLO)

Assures a constant lumen output from the luminaire throughout its lifetime.

**Power factor (cos  $\phi$ ):**

N° LEDs	Current (mA)	P (W) 100%, CLO 80%	P (W) 70%, CLO 80%
24	350	0.97	0.95
	500	0.98	0.97
	700	0.98	0.98
48	350	0.97	0.95
	500	0.98	0.97
	700	0.99	0.98
72	350	0.93	0.89
	500	0.96	0.93
	700	0.97	0.96

**Operating voltage:** 220-240V 50Hz (CE)

**Wire:**

0,6 / 1 kV 3 x 1,5 mm<sup>2</sup>

0,6 / 1 kV 5 x 1,5 mm<sup>2</sup> (prog.)

**Temperature operating range Ta (°C):** between -25 and 30 (700mA)

**Lifetime:** TM21 L70 (10k) > 50.000 h

Thanks to an optimised thermal design, the luminous flux is maintained up to 70% after 50.000 h.

Under exceptional cases when the ambient temperature is excessive, the output may be reduced using the (NTC) active control system that ensures the right operating temperature is maintained.

**Light distributions:**

Asymmetrix: Type II, Type III or Type IV (according to IESNA classification)

**Upper Light Output Ratio (FHS):** -

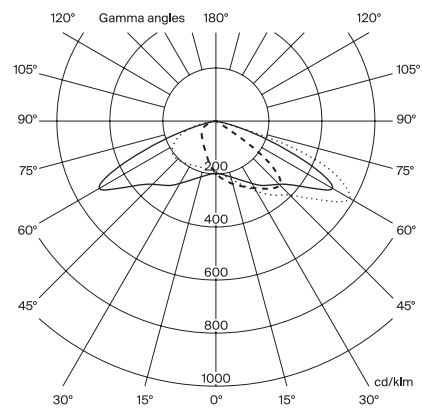
**Configurations**

Reference	N° LEDs	T°color (K)	Operating Current (mA)	Lamp power (W)	System power (W)	IESNA TII		IESNA TIII		IESNA TIV	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)
RAFL24A1xx	24	3000K CRI min80	350	24	28	2802	100	3248	116	3017	108
RAFL24B1xx			500	34	40	3962	99	4591	115	4266	107
RAFL24C1xx			700	48	56	5218	93	6047	108	5618	100
RAFL24A2xx		4000K CRI typ70	350	24	28	3081	110	3571	128	3317	118
RAFL24B2xx			500	34	40	4356	109	5048	126	4690	117
RAFL24C2xx			700	48	56	5652	101	6550	117	6085	109
RAFL48A1xx	48	3000K CRI min80	350	48	53	5905	111	6844	129	6358	120
RAFL48B1xx			500	68	75	8129	108	9421	126	8752	117
RAFL48C1xx			700	96	106	10706	101	12408	117	11527	109
RAFL48A2xx		4000K CRI typ70	350	48	53	6300	119	7302	138	6783	128
RAFL48B2xx			500	68	75	8697	116	10079	134	9363	125
RAFL48C2xx			700	96	106	11284	106	13077	123	12149	115
RAFL72A1xx	72	3000K CRI min80	350	72	78	8824	113	10226	131	9500	122
RAFL72B1xx			500	103	112	12130	108	14057	126	13059	117
RAFL72C1xx			700	144	157	15975	102	18514	118	17200	110
RAFL72A2xx		4000K CRI typ70	350	72	78	9415	121	10911	140	10136	130
RAFL72B2xx			500	103	112	12977	116	15039	134	13971	125
RAFL72C2xx			700	144	157	16837	107	19513	124	18128	115

**Asymmetric**  
TII Distribution  
LOR 100%  
ULOR 0%±3%

Max. intensity 573,26 cd/klm

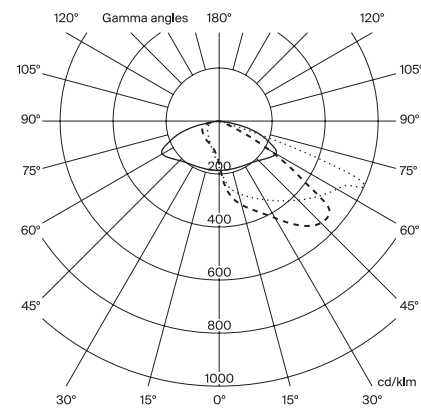
C Halfplanes  
0° ——— 180°  
90° - - - - 270°  
25° ······ 205°



**Asymmetric**  
TIII Distribution  
LOR 100%  
ULOR 0%±3%

Max. intensity 593,70 cd/klm

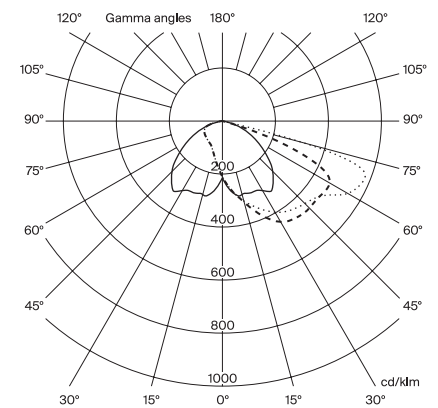
C Halfplanes  
0° ——— 180°  
90° - - - - 270°  
40° ······ 220°



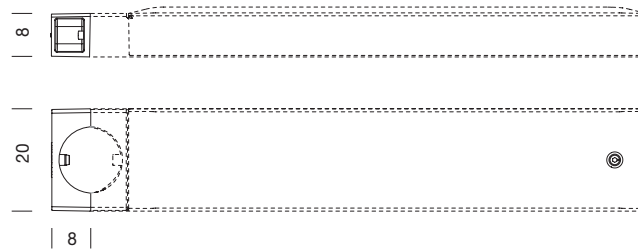
**Asymmetric**  
TIV Distribution  
LOR 100%  
ULOR 0%±3%

Max. intensity 579,34 cd/klm

C Halfplanes  
0° ——— 180°  
90° - - - - 270°  
65° ······ 245°



For calculation in ground type II (according to UNE-40) and wind speed of 29 m/s, with soil formed by loose or wet dirt or sand of medium compactness ( $E_0 = 4800 \text{ KN/m}^2$ ), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.



Sizes in cm

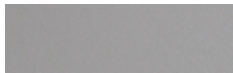


**Code:** RAF039

Accessory allowing a single luminaire to poles of Ø127-129 mm.

**Materials:** Powder-coated painted injected aluminium bracket.  
Stainless steel screws.

**Finishes:**



Light grey (RAL 9006)  
(Other colors available to order)



Dark grey (RAL 7024).

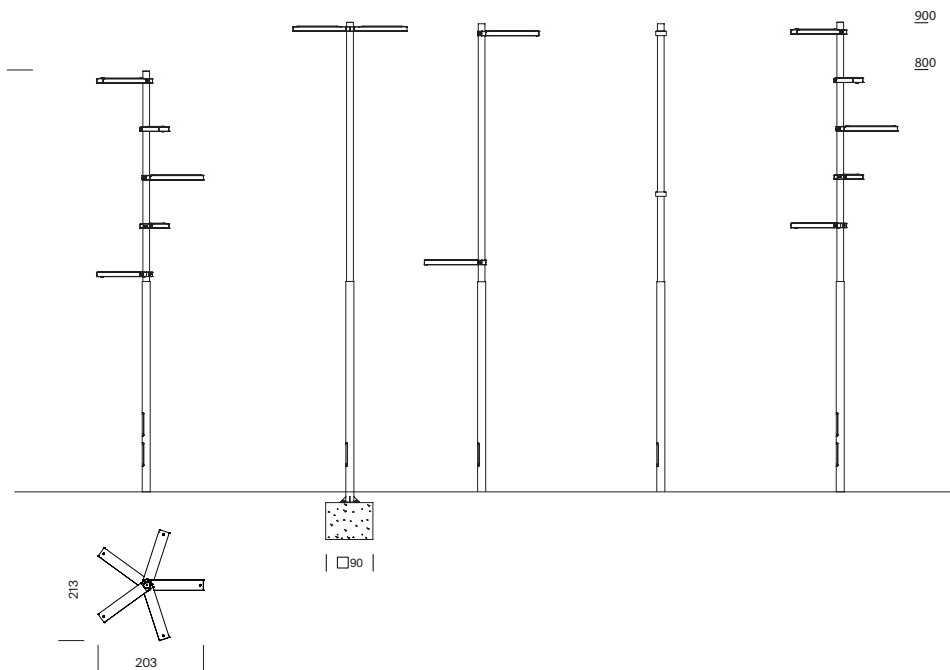
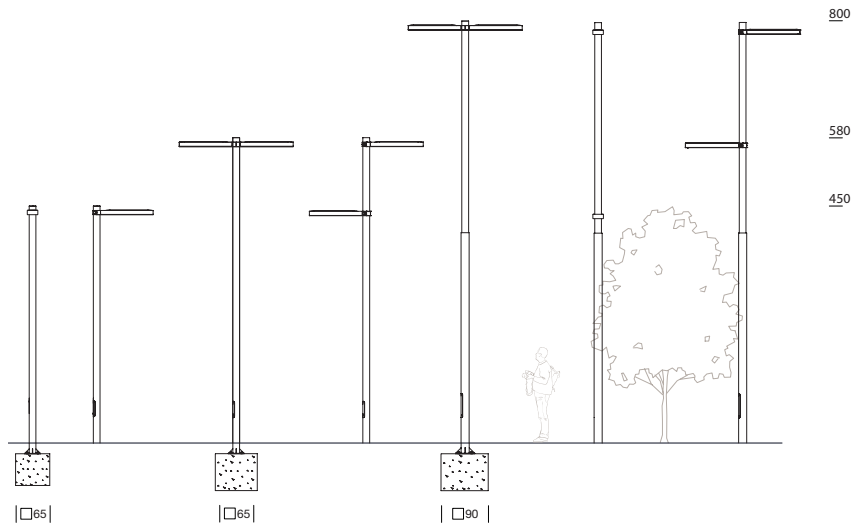
**Sizes (cm):** 8 x 8 x 20

**Weight (Kg):** 2

**Installation:** to a pole with a fastening accessory. The element is delivered disassembled.  
(For further information log onto [urbidermis.com](http://urbidermis.com)).

\*Luminaire not included

For calculation in ground type II (according to UNE-40) and wind speed of 29 m/s, with soil formed by loose or wet dirt or sand of medium compactness ( $E_0 = 4800 \text{ KN/m}^2$ ), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.



Sizes in cm



**Materials:** Poles manufactured in class 1 S-275 JR steel cylindrical tube, in one or two segments depending on the height. Hot-galvanised painted finish.

**Finishes:**



Light grey (RAL 9006)  
(Other colors available to order)



Dark grey (RAL 7024)

**Heights:**

One section: (Ø 127 mm): 4.7 m / 6.0 m

Two sections: (Ø 152 mm / 127 mm): 8.2 m / 9.2 m

**Installation:**

By means of a base plate and bolts fastened to a foundation block

**Distance between bolts:**

(4,7 m / 6 m) 210 x 210 mm

(8,2 m / 9,2 m) 300 x 300 mm

**Bolts:** (4x) M18 x 500 incluidos**Applicable standards:** EN 40, EN ISO 1461, EN 10025, EN 1090, ISO 12944, EN ISO 7599**Configurations**

Total height (m)	Visible height (m)	Outer pole diameter (mm)	Thickness (mm)	Base plate (mm)	Distance between bolts (mm)	Bolts (x4)	Doors	Weights (Kg)	Foundation (xyz) (mm)	N° luminaires allowed
4.7	4.5	127	3	300x300x10	210x210	M18x500	1	48	650x650x600	1/2
6	5.8	127	3	300x300x10	210x210	M18x500	1	58	650x650x600	1/2
8.2	8	127/152	3	400x400x10	300x300	M18x500	1/2	94	900x900x700	1/5
9.2	9	127/152	3	400x400x10	300x300	M18x500	1/2	102	900x900x700	1/5

For calculation in ground type II (according to UNE-40) and wind speed of 29 m/s, with soil formed by loose or wet dirt or sand of medium compactness ( $E_0 = 4800 \text{ KN/m}^2$ ), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.