



Application: parks, pedestrians, bicycle routes

Assembly: depending on the type of head

A - pole top mounted or on extension arms with ϕ 60 x 50 mm,

B - pole top mounted with ϕ 60 x 180 mm

Ingress protection: IP 66

Material: cap - formed aluminium sheet

diffuser - tempered glass

luminaire body - aluminium alloy, anodized

Luminaire net weight: 6,6 kg with 'A' type assembly head, 7,1 kg with 'B' type assembly head;

Anodising: 10 colours, each with possibility of chemical brightening

Number of LEDs: 16

Expected useful lifetime: L90F10 - 50 000 h, L80F20 - 100000 h

Operating temperature range: from -40°C to +40°C

CRI: >80 for 2700K, 3500K; >70 for 4000K, 5000K

Input voltage frequency: 50/60 Hz

Power factor: ≥ 0.95

Inrush current: 10A / 280 μ s

Luminaire RING 1 LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).



Code	Symbol	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux (%)	Luminaire luminous flux ¹⁾	Luminous efficacy	Unit volume
212030/.../T/.../C... ^{R1}	RING 1 LED 24	24W	28W	503mA	2700K	3 350lm	2550lm	91lm/W	0,08m ³
212030/.../D/.../C... ^{R1}	RING 1 LED 24	24W	28W	503mA	3500K	3 350lm	2700lm	99lm/W	0,08m ³
212030/.../V/.../C... ^{R1}	RING 1 LED 24	24W	28W	503mA	4000K	4 050lm	3050lm	136lm/W	0,08m ³
212030/.../A/.../C... ^{R1}	RING 1 LED 24	24W	28W	503mA	5000K	4 050lm	3050lm	136lm/W	0,08m ³
212032/.../T/.../C... ^{R1}	RING 1 LED 36	36W	40W	750mA	2700K	4 750lm	3600lm	99lm/W	0,08m ³
212032/.../D/.../C... ^{R1}	RING 1 LED 36	36W	40W	750mA	3500K	5 100lm	3850lm	99lm/W	0,08m ³
212032/.../V/.../C... ^{R1}	RING 1 LED 36	36W	40W	750mA	4000K	5 750lm	4350lm	136lm/W	0,08m ³
212032/.../A/.../C... ^{R1}	RING 1 LED 36	36W	40W	750mA	5000K	5 750lm	4350lm	136lm/W	0,08m ³
212033/.../T/.../C... ^{R1}	RING 1 LED 48	48W	55W	1000mA	2700K	6 000lm	4500lm	88lm/W	0,08m ³
212033/.../D/.../C... ^{R1}	RING 1 LED 48	48W	55W	1000mA	3500K	6 450lm	4850lm	88lm/W	0,08m ³
212033/.../V/.../C... ^{R1}	RING 1 LED 48	48W	55W	1000mA	4000K	7 250lm	5500lm	100lm/W	0,08m ³
212033/.../A/.../C... ^{R1}	RING 1 LED 48	48W	55W	1000mA	5000K	7 250lm	5500lm	100lm/W	0,08m ³

1) tolerance +/- 2% due to LED's accuracy

2) symbol of chosen optical system e.g. 2 0230 / A / 5 / T4 / C35 is RING 1 LED 24W 3000K / A / is the mounting head type 'A' / T4 is the T4 optical system / C35 is the anodising color of the C35 black luminaire

3) The weight of the luminaire with the 'A' type head is 6,6 kg / with the 'B' type head is 7,1 kg

Directive: 2014/05/UE (Official Journal of the UE L 96/207 29.03.2014), 2014/03/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

In order to efficient discharge the electrostatic charge from the housing of LED lighting installed on the pole from dielectric material (non-conductive) one of the followings solution is required (for more information visit: www.rosa.pl/en/knowledge/led-lighting):

- functional grounding
- LED luminaire with an additional protection device