

DAMA LED



Installation: surrounding office buildings, parks, pedestrians

Ingress protection: IP 65 for the optical part and the driver

Material: anodised aluminium alloy

Diffuser: transparent or frosted

Number of LEDs: 4

Operating temperature range: from -40°C to +55°C

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

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

Corrective factor S/P: 1,45 for 3500K; 1,8 for 5000K; 1,55 for 4000K

Input voltage frequency: 50 - 60Hz

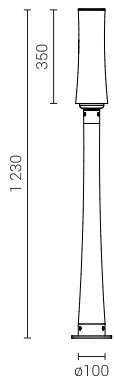
Power factor: ≥ 0.95

Inrush electric current: 70A / 220 μ s

Luminaire DAMA LED has the possibility to connect to an external control system via analog signal 1- 10V.



| Code | Symbol | LED power | Luminaire Power consumption | LED forward current | Colour temperature (CCT) | Luminaire luminous flux ¹⁾ | Luminous efficacy | Unit volume | Concrete footing / reinforcement basket type | Net weight |
|-----------------------|----------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------------|-------------------|--------------------|----------------------------------------------|------------|
| 45320/3/P/C... | DAMA LED | 8W | 12W | 700mA | 3500K | 600lm | 50lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |
| 45320/3/M/C... | DAMA LED | 8W | 12W | 700mA | 3500K | 450lm | 38lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |
| 45320/4/P/C... | DAMA LED | 8W | 12W | 700mA | 4000K | 650lm | 55lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |
| 45320/4/M/C... | DAMA LED | 8W | 12W | 700mA | 4000K | 500lm | 42lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |
| 45320/6/P/C... | DAMA LED | 8W | 12W | 700mA | 5000K | 720lm | 60lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |
| 45320/6/M/C... | DAMA LED | 8W | 12W | 700mA | 5000K | 550lm | 46lm/W | 0,03m ³ | B-0A / Z-0A | 4,4kg |



/C... – choice of anodising colour
2) tolerance +/- 7% due to LEDs accuracy

Directive: 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

Acceptable quantity of luminaires DAMA LED on one circuit, protected by:

Overcurrent switches MCB type B or C

| Luminaire | Type | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|-----------|------|----|----|----|-----|-----|-----|-----|
| DAMA LED | B | 1 | 1 | 3 | 5 | 8 | 10 | 12 |
| | C | 1 | 3 | 5 | 8 | 13 | 16 | 20 |

Fuse – type gG and GL

| Luminaire | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|-----------|----|----|----|-----|-----|-----|-----|
| DAMA LED | 2 | 5 | 8 | 14 | 23 | 29 | 37 |