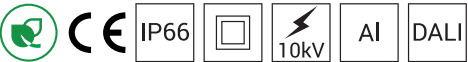


# CORE LED



**Installation:** -

**Ingress protection:** IP 66

**Material:** anodised aluminium alloy

**Colour:** graphite / black

**Optical system:** PMMA optics, interchangeable LED module

**Number of LEDs:** 12 for 24W; 24 for 48W

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

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

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

**Corrective factor S/P:** – for 5000K, 4000K, 3500K

**Input voltage frequency:** 50 - 60Hz

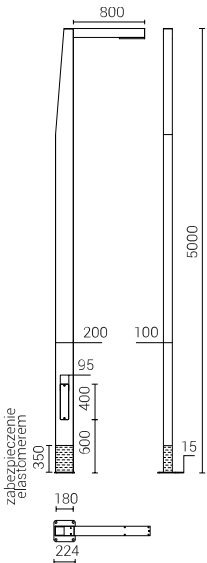
**Power factor:** ≥0.95

**Inrush electric current:** for 24W, 48W

**Concrete footing / reinforcement basket type:** B-50 / Z-50

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

| Code                             | Symbol      | Height [H] | LED power | Luminaire Power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux <sup>2)</sup> | Luminaire luminous flux <sup>2)</sup> | Luminous efficacy | Unit volume        | Net weight |
|----------------------------------|-------------|------------|-----------|-----------------------------|---------------------|--------------------------|----------------------------------|---------------------------------------|-------------------|--------------------|------------|
| <b>216530/3/...<sup>1)</sup></b> | CORE LED 24 | 5m         | 24W       | 31W                         | 700mA               | 3500K                    | 3 500lm                          | 2650lm                                | 86lm/W            | 1,75m <sup>3</sup> | 42kg       |
| <b>216530/4/...<sup>1)</sup></b> | CORE LED 24 | 5m         | 24W       | 31W                         | 700mA               | 4000K                    | 3 900lm                          | 2750lm                                | 89lm/W            | 1,75m <sup>3</sup> | 42kg       |
| <b>216530/6/...<sup>1)</sup></b> | CORE LED 24 | 5m         | 24W       | 31W                         | 700mA               | 5000K                    | 4 100lm                          | 2900lm                                | 94lm/W            | 1,75m <sup>3</sup> | 42kg       |
| <b>216533/3/...<sup>1)</sup></b> | CORE LED 48 | 5m         | 48W       | 55W                         | 700mA               | 3500K                    | 7 000lm                          | 5250lm                                | 95lm/W            | 1,75m <sup>3</sup> | 42kg       |
| <b>216533/4/...<sup>1)</sup></b> | CORE LED 48 | 5m         | 48W       | 55W                         | 700mA               | 4000K                    | 7 300lm                          | 5400lm                                | 98lm/W            | 1,75m <sup>3</sup> | 42kg       |
| <b>216533/6/...<sup>1)</sup></b> | CORE LED 48 | 5m         | 48W       | 55W                         | 700mA               | 5000K                    | 8 150lm                          | 5700lm                                | 104lm/W           | 1,75m <sup>3</sup> | 42kg       |

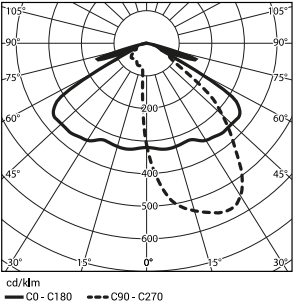


1) Symbol of chosen optical system eg. 216530/6/T2 is CORE LED 24 5000K with T2 optical system  
2) tolerance +/- 3% due to LEDs accuracy

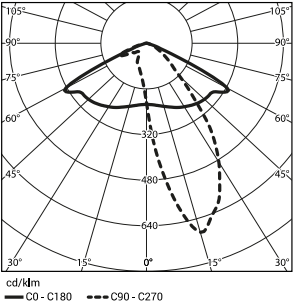
**Directive:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

# CORE LED

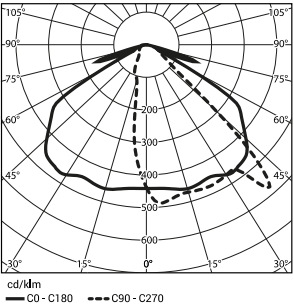
T3



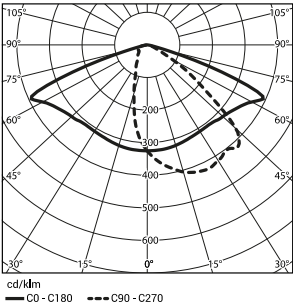
T2



ME



DW



**Luminaire CORE LED in standard has following functions of intelligent power supply:**

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

**Accetable quantity of luminaires CORE LED on one circuit, protected by:**

**Overcurrent switches MCB type B or C**

| Luminaire    | Type | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|--------------|------|----|----|----|-----|-----|-----|-----|
| CORE LED 24W | B    | 2  | 4  | 8  | 12  | 20  | 25  | 31  |
|              | C    | 2  | 8  | 12 | 20  | 34  | 41  | 52  |
| CORE LED 48W | B    | 1  | 2  | 4  | 6   | 11  | 13  | 17  |
|              | C    | 1  | 4  | 6  | 11  | 18  | 22  | 28  |

**Fuse – type gG and GL**

| Luminaire    | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|--------------|----|----|----|-----|-----|-----|-----|
| CORE LED 24W | 4  | 9  | 14 | 25  | 39  | 50  | 62  |
| CORE LED 48W | 4  | 8  | 11 | 19  | 30  | 38  | 47  |