

### Characteristic

|   |  |
|---|--|
| Ingress protection of optical system and driver | IP 66  |
| Electrical class                                | II   |
| Nominal input voltage                           | 100 - 240 V AC   |
| Frequency                                       | 50/60 Hz   |
| Power factor                                    | ≥0.95  |
| Inrush electric current                         | 50A / 210μs  |
| Level of surge protection                       | 10kV   |
| Control system ready input                      | 1 – 10 V (as an option)  |
| Operating temperatures                          | -40°C to +55°C   |
| Material  | anodized aluminium alloy                                       |
| Colour  | inox / black   |
| Setup   | on the extension arm Ø60x90;<br>recommended mount height: 4-5m |
| Optical system                                  | PMMA lens  |
| LEDs lifetime L90F10                            | >50 000h   |
| Warranty  | 5 years  |



**CREE**  
LEDs



**Technical parameters**

| Type   | ISKRA LED 24     |              | ISKRA LED 36     |              |
|--|------------------|--------------|------------------|--------------|
| Code   | 213230/6         | 213230/3     | 213232/6         | 213232/3     |
| Correlated colour temperature [K]                | 5 000            | 3 500        | 5 000            | 3 500        |
| Color rendering index CRI                        | 75 <sup>2)</sup> | >80          | 75 <sup>2)</sup> | >80          |
| Corrective factor S/P                            | 1,8              | 1,45         | 1,8              | 1,45         |
| LEDs type  | CREE XT-E        |              | CREE XP-L        |              |
| LEDs quantity                                    | 12               |              |                  |              |
| Supply current [mA]                              | 760              |              | 960              |              |
| LEDs power [W]                                   | 24               |              | 36               |              |
| LEDs luminous flux <sup>1)</sup> [lm]            | 3 400            | 2 950        | 5 050            | 4 600        |
| <b>Power consumption [W]</b>                     | <b>31</b>        |              | <b>39</b>        |              |
| <b>Luminaire luminous flux<sup>1)</sup> [lm]</b> | <b>3 250</b>     | <b>2 800</b> | <b>4 700</b>     | <b>4 300</b> |
| Luminaire efficacy [lm/W]                        | 105              | 90           | 121              | 112          |
| Weight [kg]                                      | 2,2              |              |                  |              |
| Volume [m <sup>3</sup> ]                         | 0,005            |              |                  |              |
| Windage [m <sup>2</sup> ]                        | 0,023            |              |                  |              |

- 1) including LEDs tolerance parameter accuracy +/- 3%  
2) parameter accuracy +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08

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

| Overcurrent switches MCB type B or C |        |    |    |    |     |     |     |     |
|--------------------------------------|--------|----|----|----|-----|-----|-----|-----|
|                                      |        | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
| ISKRA LED<br>24 i 36W                | Type B | 1  | 2  | 4  | 7   | 12  | 15  | 18  |
|                                      | Type C | 1  | 4  | 7  | 12  | 20  | 24  | 31  |

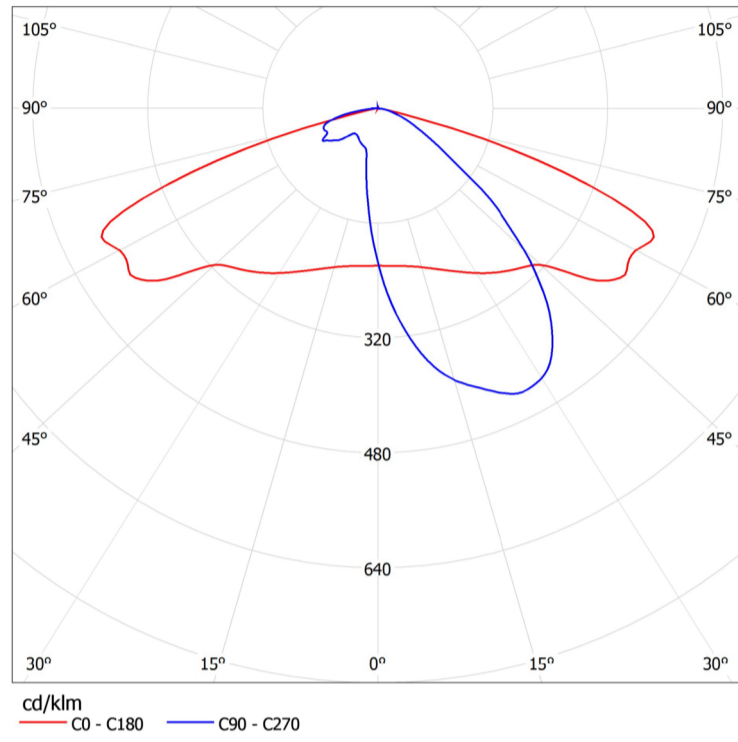
| Fuse – type gG and GL |  |    |    |    |     |     |     |     |
|-----------------------|--|----|----|----|-----|-----|-----|-----|
|                       |  | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
| ISKRA LED 24W         |  | 4  | 8  | 12 | 19  | 31  | 39  | 49  |
| ISKRA LED 36W         |  | 2  | 6  | 9  | 17  | 27  | 34  | 43  |

**The luminaire ISKRA LED has the possibility (as an option) to connect to the external control system via analog signal 1-10V.**

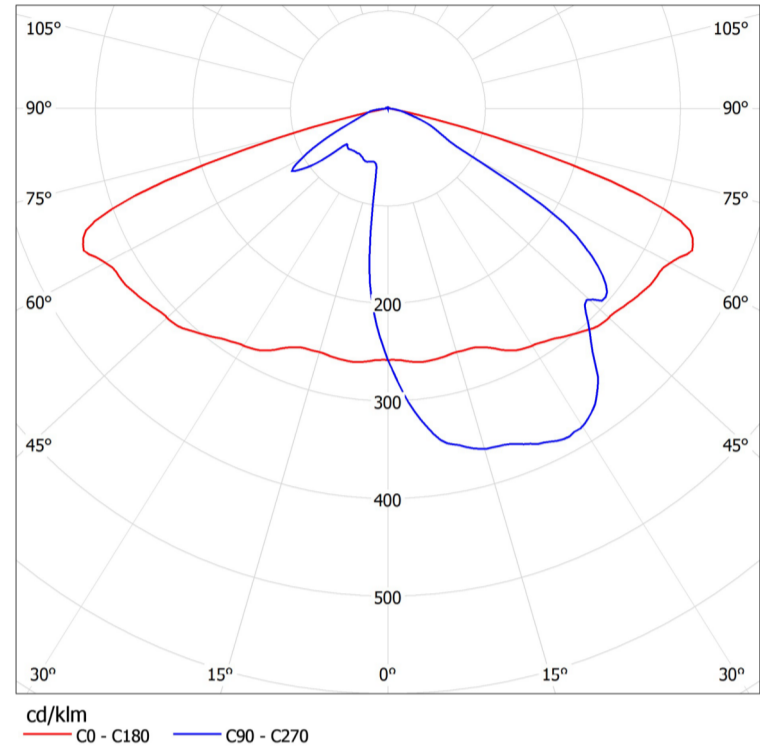


Optics configurations for ISKRA LED

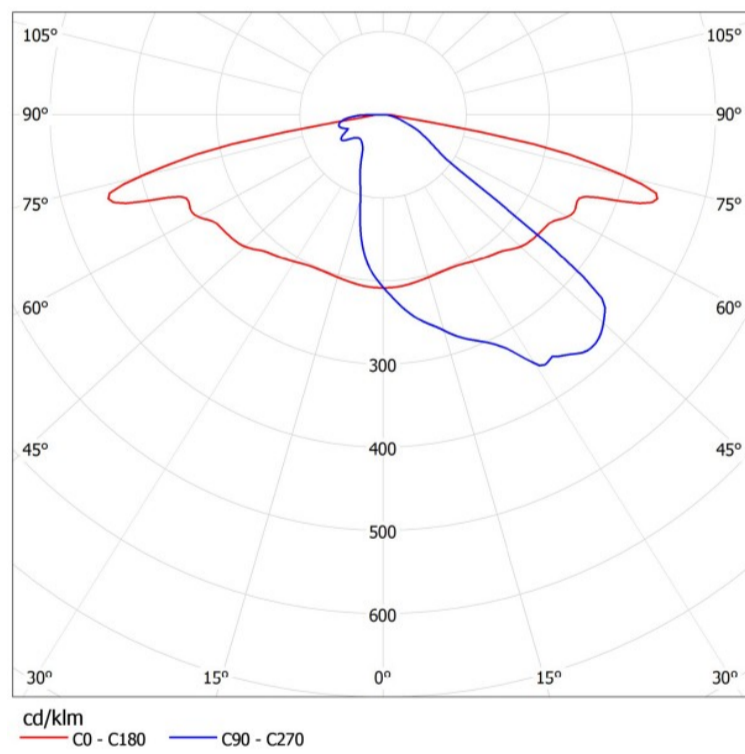
**T2**



**T3**



**ME**



**DW**

