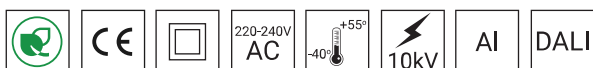




## TECHNICAL DATA

|                                 |                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>              | urban roads, residential roads (internal), surrounding office buildings, parks, pedestrians                                            |
| <b>Colour</b>                   | inox / grey                                                                                                                            |
| <b>Ingress protection</b>       | IP 66 for the optical part and the driver                                                                                              |
| <b>Optical system</b>           | PMMA optics, interchangeable LED module                                                                                                |
| <b>Material</b>                 | anodised aluminium alloy                                                                                                               |
| <b>Expected useful lifetime</b> | L90B10 - 100 000 h                                                                                                                     |
| <b>CRI</b>                      | >70                                                                                                                                    |
| <b>Input voltage frequency</b>  | 50/60Hz                                                                                                                                |
| <b>Power factor</b>             | ≥0.95                                                                                                                                  |
| <b>Number of LED</b>            | 2x12 - (24 W, 36 W), 2x24 - (48 W, 72 W)                                                                                               |
| <b>Control system</b>           | LED lighting set has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V). |



## TABLE OF VARIANTS

| Code                       | Symbol          | Height of the column [H] | LED power | Luminaire power consumption | LED forward current | Colour temperature (CCT) | LEDs luminous flux <sup>1</sup> | Luminaire luminous flux <sup>1</sup> | Luminous efficacy <sup>1</sup> | Unit volume | Concrete footing / reinforcement basket type | Inrush current | Net weight |
|----------------------------|-----------------|--------------------------|-----------|-----------------------------|---------------------|--------------------------|---------------------------------|--------------------------------------|--------------------------------|-------------|----------------------------------------------|----------------|------------|
| 2106330/1/... <sup>2</sup> | CUT-II-4 LED 24 | 4 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 2700 K                   | 4050 lm x 2                     | 3550 lm x 2                          | 127 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106330/3/... <sup>2</sup> | CUT-II-4 LED 24 | 4 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 3500 K                   | 4350 lm x 2                     | 3800 lm x 2                          | 136 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106330/4/... <sup>2</sup> | CUT-II-4 LED 24 | 4 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 4000 K                   | 4550 lm x 2                     | 4000 lm x 2                          | 143 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106330/6/... <sup>2</sup> | CUT-II-4 LED 24 | 4 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 5000 K                   | 4550 lm x 2                     | 4000 lm x 2                          | 143 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106332/1/... <sup>2</sup> | CUT-II-4 LED 36 | 4 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 2700 K                   | 5450 lm x 2                     | 4800 lm x 2                          | 120 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106332/3/... <sup>2</sup> | CUT-II-4 LED 36 | 4 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 3500 K                   | 5800 lm x 2                     | 5100 lm x 2                          | 128 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106332/4/... <sup>2</sup> | CUT-II-4 LED 36 | 4 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 4000 K                   | 6150 lm x 2                     | 5400 lm x 2                          | 135 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106332/6/... <sup>2</sup> | CUT-II-4 LED 36 | 4 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 5000 K                   | 6150 lm x 2                     | 5400 lm x 2                          | 135 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | -              | 44.5 kg    |
| 2106333/1/... <sup>2</sup> | CUT-II-4 LED 48 | 4 m                      | 48 W x 2  | 55 W x 2                    | 700 mA              | 2700 K                   | 8150 lm x 2                     | 7150 lm x 2                          | 130 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | 92A / 250µs    | 44.5 kg    |
| 2106333/3/... <sup>2</sup> | CUT-II-4 LED 48 | 4 m                      | 48 W x 2  | 55 W x 2                    | 700 mA              | 3500 K                   | 8650 lm x 2                     | 7600 lm x 2                          | 138 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | 92A / 250µs    | 44.5 kg    |
| 2106333/4/... <sup>2</sup> | CUT-II-4 LED 48 | 4 m                      | 48 W x 2  | 55 W x 2                    | 700 mA              | 4000 K                   | 9150 lm x 2                     | 8050 lm x 2                          | 146 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | 92A / 250µs    | 44.5 kg    |
| 2106333/6/... <sup>2</sup> | CUT-II-4 LED 48 | 4 m                      | 48 W x 2  | 55 W x 2                    | 700 mA              | 5000 K                   | 9150 lm x 2                     | 8042 lm x 2                          | 146 lm/W                       | 0.7 m³      | B-50 / Z-50                                  | 92A / 250µs    | 44.5 kg    |
| 2106030/1/... <sup>2</sup> | CUT-II-5 LED 24 | 5 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 2700 K                   | 4050 lm x 2                     | 3550 lm x 2                          | 127 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106030/3/... <sup>2</sup> | CUT-II-5 LED 24 | 5 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 3500 K                   | 4350 lm x 2                     | 3800 lm x 2                          | 136 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106030/4/... <sup>2</sup> | CUT-II-5 LED 24 | 5 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 4000 K                   | 4550 lm x 2                     | 4000 lm x 2                          | 143 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106030/6/... <sup>2</sup> | CUT-II-5 LED 24 | 5 m                      | 24 W x 2  | 28 W x 2                    | 700 mA              | 5000 K                   | 4550 lm x 2                     | 4000 lm x 2                          | 143 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106032/1/... <sup>2</sup> | CUT-II-5 LED 36 | 5 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 2700 K                   | 5450 lm x 2                     | 4800 lm x 2                          | 120 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106032/3/... <sup>2</sup> | CUT-II-5 LED 36 | 5 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 3500 K                   | 5800 lm x 2                     | 5100 lm x 2                          | 128 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106032/4/... <sup>2</sup> | CUT-II-5 LED 36 | 5 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 4000 K                   | 6150 lm x 2                     | 5400 lm x 2                          | 135 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |
| 2106032/6/... <sup>2</sup> | CUT-II-5 LED 36 | 5 m                      | 36 W x 2  | 40 W x 2                    | 1000 mA             | 5000 K                   | 6150 lm x 2                     | 5400 lm x 2                          | 135 lm/W                       | 1 m³        | B-50 / Z-50                                  | -              | 50.5 kg    |

|                            |                 |     |          |          |         |        |              |              |          |        |                         |             |         |
|----------------------------|-----------------|-----|----------|----------|---------|--------|--------------|--------------|----------|--------|-------------------------|-------------|---------|
| 2106033/1/... <sup>2</sup> | CUT-II-5 LED 48 | 5 m | 48 W x 2 | 55 W x 2 | 700 mA  | 2700 K | 8150 lm x 2  | 7150 lm x 2  | 130 lm/W | 1 m³   | B-50 / Z-50             | 92A / 250µs | 50.5 kg |
| 2106033/3/... <sup>2</sup> | CUT-II-5 LED 48 | 5 m | 48 W x 2 | 55 W x 2 | 700 mA  | 3500 K | 8650 lm x 2  | 7600 lm x 2  | 138 lm/W | 1 m³   | B-50 / Z-50             | 92A / 250µs | 50.5 kg |
| 2106033/4/... <sup>2</sup> | CUT-II-5 LED 48 | 5 m | 48 W x 2 | 55 W x 2 | 700 mA  | 4000 K | 9150 lm x 2  | 8050 lm x 2  | 146 lm/W | 1 m³   | B-50 / Z-50             | 92A / 250µs | 50.5 kg |
| 2106033/6/... <sup>2</sup> | CUT-II-5 LED 48 | 5 m | 48 W x 2 | 55 W x 2 | 700 mA  | 5000 K | 9150 lm x 2  | 8042 lm x 2  | 146 lm/W | 1 m³   | B-50 / Z-50             | 92A / 250µs | 50.5 kg |
| 2106633/1/... <sup>2</sup> | CUT-II-6 LED 48 | 6 m | 48 W x 2 | 55 W x 2 | 700 mA  | 2700 K | 8150 lm x 2  | 7150 lm x 2  | 130 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106633/3/... <sup>2</sup> | CUT-II-6 LED 48 | 6 m | 48 W x 2 | 55 W x 2 | 700 mA  | 3500 K | 8650 lm x 2  | 7600 lm x 2  | 138 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106633/4/... <sup>2</sup> | CUT-II-6 LED 48 | 6 m | 48 W x 2 | 55 W x 2 | 700 mA  | 4000 K | 9150 lm x 2  | 8050 lm x 2  | 146 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106633/6/... <sup>2</sup> | CUT-II-6 LED 48 | 6 m | 48 W x 2 | 55 W x 2 | 700 mA  | 5000 K | 9150 lm x 2  | 8042 lm x 2  | 146 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106635/1/... <sup>2</sup> | CUT-II-6 LED 72 | 6 m | 72 W x 2 | 79 W x 2 | 1000 mA | 2700 K | 10900 lm x 2 | 9600 lm x 2  | 122 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106635/3/... <sup>2</sup> | CUT-II-6 LED 72 | 6 m | 72 W x 2 | 79 W x 2 | 1000 mA | 3500 K | 11600 lm x 2 | 10200 lm x 2 | 129 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106635/4/... <sup>2</sup> | CUT-II-6 LED 72 | 6 m | 72 W x 2 | 79 W x 2 | 1000 mA | 4000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106635/6/... <sup>2</sup> | CUT-II-6 LED 72 | 6 m | 72 W x 2 | 79 W x 2 | 1000 mA | 5000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.2 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 70 kg   |
| 2106733/1/... <sup>2</sup> | CUT-II-7 LED 48 | 7 m | 48 W x 2 | 55 W x 2 | 700 mA  | 2700 K | 8150 lm x 2  | 7150 lm x 2  | 130 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106733/3/... <sup>2</sup> | CUT-II-7 LED 48 | 7 m | 48 W x 2 | 55 W x 2 | 700 mA  | 3500 K | 8650 lm x 2  | 7600 lm x 2  | 138 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106733/4/... <sup>2</sup> | CUT-II-7 LED 48 | 7 m | 48 W x 2 | 55 W x 2 | 700 mA  | 4000 K | 9150 lm x 2  | 8050 lm x 2  | 146 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106733/6/... <sup>2</sup> | CUT-II-7 LED 48 | 7 m | 48 W x 2 | 55 W x 2 | 700 mA  | 5000 K | 9150 lm x 2  | 8042 lm x 2  | 146 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106735/1/... <sup>2</sup> | CUT-II-7 LED 72 | 7 m | 72 W x 2 | 79 W x 2 | 1000 mA | 2700 K | 10900 lm x 2 | 9600 lm x 2  | 122 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106735/3/... <sup>2</sup> | CUT-II-7 LED 72 | 7 m | 72 W x 2 | 79 W x 2 | 1000 mA | 3500 K | 11600 lm x 2 | 10200 lm x 2 | 129 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106735/4/... <sup>2</sup> | CUT-II-7 LED 72 | 7 m | 72 W x 2 | 79 W x 2 | 1000 mA | 4000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106735/6/... <sup>2</sup> | CUT-II-7 LED 72 | 7 m | 72 W x 2 | 79 W x 2 | 1000 mA | 5000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.4 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 77 kg   |
| 2106433/1/... <sup>2</sup> | CUT-II-8 LED 48 | 8 m | 48 W x 2 | 55 W x 2 | 700 mA  | 2700 K | 8150 lm x 2  | 7150 lm x 2  | 130 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106433/3/... <sup>2</sup> | CUT-II-8 LED 48 | 8 m | 48 W x 2 | 55 W x 2 | 700 mA  | 3500 K | 8650 lm x 2  | 7600 lm x 2  | 138 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106433/4/... <sup>2</sup> | CUT-II-8 LED 48 | 8 m | 48 W x 2 | 55 W x 2 | 700 mA  | 4000 K | 9150 lm x 2  | 8050 lm x 2  | 146 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106433/6/... <sup>2</sup> | CUT-II-8 LED 48 | 8 m | 48 W x 2 | 55 W x 2 | 700 mA  | 5000 K | 9150 lm x 2  | 8042 lm x 2  | 146 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106435/1/... <sup>2</sup> | CUT-II-8 LED 72 | 8 m | 72 W x 2 | 79 W x 2 | 1000 mA | 2700 K | 10900 lm x 2 | 9600 lm x 2  | 122 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106435/3/... <sup>2</sup> | CUT-II-8 LED 72 | 8 m | 72 W x 2 | 79 W x 2 | 1000 mA | 3500 K | 11600 lm x 2 | 10200 lm x 2 | 129 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106435/4/... <sup>2</sup> | CUT-II-8 LED 72 | 8 m | 72 W x 2 | 79 W x 2 | 1000 mA | 4000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |
| 2106435/6/... <sup>2</sup> | CUT-II-8 LED 72 | 8 m | 72 W x 2 | 79 W x 2 | 1000 mA | 5000 K | 12300 lm x 2 | 10800 lm x 2 | 137 lm/W | 1.6 m³ | B-71, B-70 / Z-71, Z-70 | 92A / 250µs | 83.5 kg |

1) tolerance +/- 5% due to LEDs accuracy

2) symbol of chosen optical system eg. 2106330/6/T2 is CUT-II-4 LED 24 5000K with T2 optical system

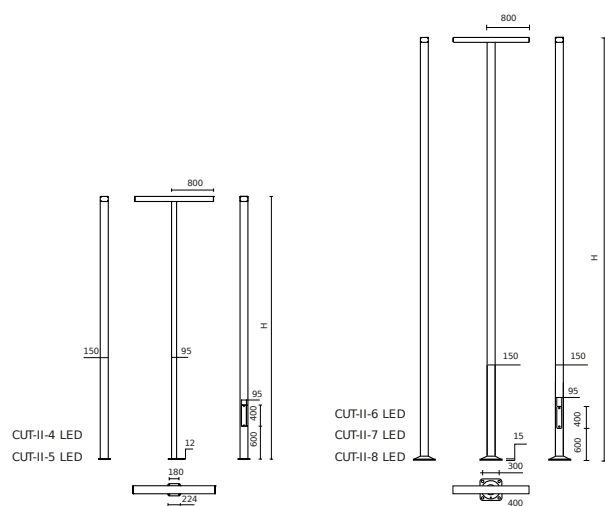
## DIRECTIVES AND STANDARDS

**DIRECTIVES:** 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 RoHS (Official Journal of the UE L 174/88 01.07.2011), 2009/125/EC(Official Journal of the UE L 285/10 31.10.2009)

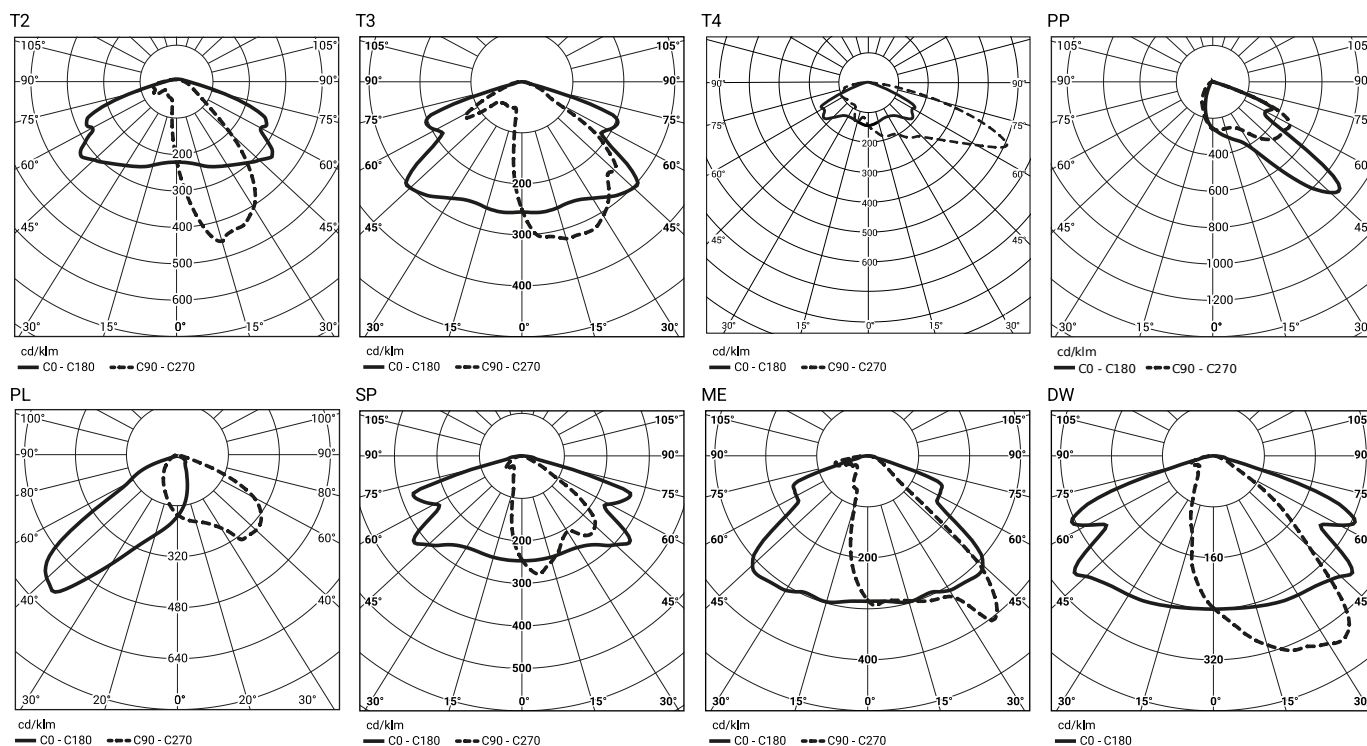
**STANDARDS:** PN-EN IEC 60598-1: 2021-7, PN-EN 60598-2-3: 2006, PN-EN 60529: 2003, PN-EN 62262: 2003, PN-EN 62471:2010, PN-EN 55015: 2019, PN-EN 61547: 2009, PN-EN 61000-3-2: 2019 , PN-EN 61000-3-3: 2014

Lighting parameters presented based on laboratory tests according to IESNA LM-79-19

## TECHNICAL DRAWING



## PHOTOMETRIC CURVES



## POWER SYSTEM FUNCTIONS

### Luminaire 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,
- LED module equipped with thermal protection implemented via an NTC thermistor,
- 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 ON ONE CIRCUIT

Overcurrent switches MCB type B or C

| Lighting sets             | Type | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|---------------------------|------|----|----|----|-----|-----|-----|-----|
| CUT II LED<br>2x24, 2x36W | B    | 1  | 3  | 5  | 8   | 13  | 16  | 20  |
|                           | C    | 1  | 5  | 8  | 13  | 22  | 27  | 33  |
| CUT II LED<br>2x48, 2x72W | B    | 0  | 1  | 2  | 3   | 5   | 6   | 7   |
|                           | C    | 0  | 2  | 3  | 5   | 8   | 10  | 13  |

Fuse – type gG and GL

| Lighting sets             | 2A | 4A | 6A | 10A | 16A | 20A | 25A |
|---------------------------|----|----|----|-----|-----|-----|-----|
| CUT II LED<br>2x24, 2x36W | 0  | 5  | 9  | 12  | 25  | 34  | 48  |
| CUT II LED<br>2x48, 2x72W | 0  | 2  | 4  | 5   | 10  | 14  | 21  |

## ACCEPTABLE HEIGHT

| CUT II LED-4/5 |                          | Acceptable height of the LED lighting set            |                           |                                                 |
|----------------|--------------------------|------------------------------------------------------|---------------------------|-------------------------------------------------|
| Field category | I zone<br>Vref. = 22 m/s | I & III zone, up<br>to 450m a.s.l.<br>Vref. = 24 m/s | II zone<br>Vref. = 26 m/s | III zone up to<br>755m a.s.l. Vref.<br>= 28 m/s |
| I              | 6                        | 5,5                                                  | 5                         | 4,5                                             |
| II             | 6                        | 5,5                                                  | 5,5                       | 5                                               |
| III            | 6                        | 6                                                    | 5,5                       | 5,5                                             |
| IV             | 6                        | 6                                                    | 6                         | 6                                               |

| CUT II LED-6/7/8 |                          | Acceptable height of the LED lighting set            |                           |                                                 |
|------------------|--------------------------|------------------------------------------------------|---------------------------|-------------------------------------------------|
| Field category   | I zone<br>Vref. = 22 m/s | I & III zone, up<br>to 450m a.s.l.<br>Vref. = 24 m/s | II zone<br>Vref. = 26 m/s | III zone up to<br>755m a.s.l. Vref.<br>= 28 m/s |
| I                | 7,5                      | 7                                                    | 6,5                       | 6                                               |
| II               | 8                        | 7,5                                                  | 7                         | 6,5                                             |
| III              | 8                        | 8                                                    | 7,5                       | 7                                               |
| IV               | 8                        | 8                                                    | 8                         | 7,5                                             |