

SIGMA luminaire combines functionality with clear streamlined appearance. SIGMA is an environmentally tolerant (IP65 & IK07) luminaire with seamless wall surfaces that are easy to keep clean. Several surface treatment options are available for different environments.



ADVANTAGES

A luminaire with high luminous output, energy efficiency and environmentally tolerant structure for demanding conditions.

SUITABILITY

Due to its versatile optic options, the luminaire is well suited for lighting industrial or food industry premises as well as sports facilities. An energy efficient LED high bay luminaire with long lifespan.

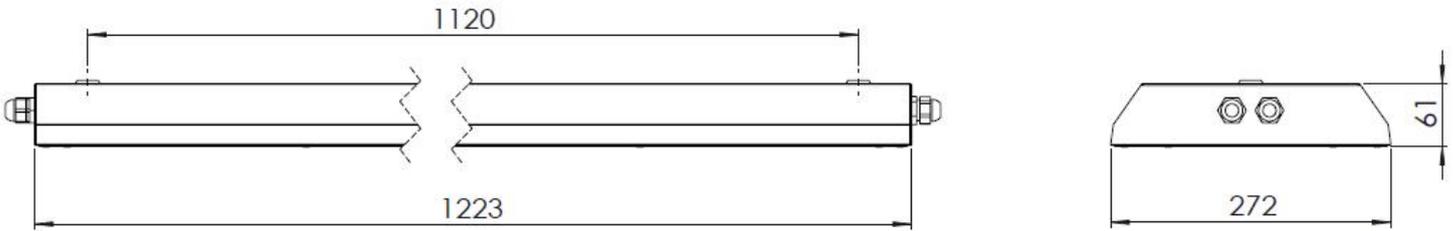
GENERAL DESCRIPTION

| PRODUCT FAMILY | SIGMA 77W | SIGMA 117W | SIGMA 155W | SIGMA 235W |
|--------------------------------|--|------------|------------|-------------|
| PRODUCT FAM. CODE | GLSI00077 | GLSI00117 | GLSI00155 | GLSI00235 |
| POWER | 77 W | 117 W | 155 W | 235 W |
| LUMINOUS FLUX | 10300 lm | 14700 lm | 20500 lm | 30000 lm |
| LUMINAIRE EFFICACY | Even 133 lm/W | | | |
| COLOUR TEMP. | 3000, 4000, 5000 K | | | |
| COLOUR REND. (R _A) | > 80 | | | |
| STANDARD OPTICS | Lens optics (narrow, medium and wide) and light source shield | | | |
| DIMMABILITY | ON/OFF or DALI | | | |
| CONNECTION | Chainable max 5*2.5mm ² OR max 3*2.5mm ² and DALI +/- | | | |
| SUPPLY VOLTAGE | 200-240 Vac | | | |
| FREQUENCY | 50-60 Hz | | | |
| PF | >0.95 | | | |
| THD | <20% | | | |
| IP CLASS | IP65 | | | |
| IK CLASS | IK07 | | | |
| AMBIENT TEMP. | -20 - +40°C | | | -20 - +35°C |
| COLOUR | Powder coated white (other colours optional, optional special coating suitable for food industry) | | | |
| MATERIAL | Steel | | | |
| LENSE MATERIAL | PMMA | | | |
| SOURCE SHIELD | Toughened glass (optional laminated glass / PMMA for food industry) | | | |
| QUARANTEE | 5 years | | | |
| LIFETIME L80, F10 | > 80 000 h | | | |
| ACCESSORIES | Through wiring series, 2*3m pre-mounted cable series for chainable luminaires with Wago Winsta / Enstonet fast couplings, lighting suspension rails, wire brackets, threaded rod brackets. | | | |

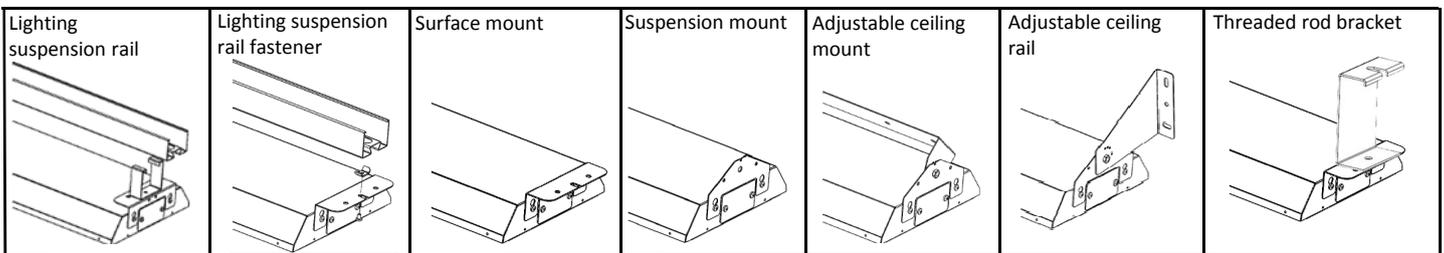
All values at ambient temperature +25°C, CCT 4000K, luminous flux +/-5% tolerance, input power tolerance +/-5%



| DIMENSIONS | SIGMA |
|------------|---------|
| LENGTH | 1223 mm |
| HEIGHT | 61 mm |
| WIDTH | 272 mm |
| WEIGHT | 7 kg |

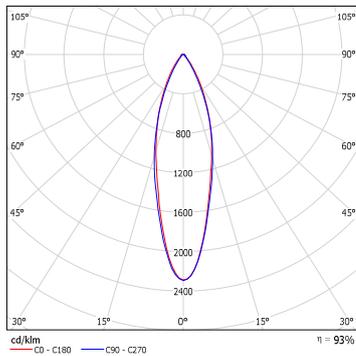


BRACKETS

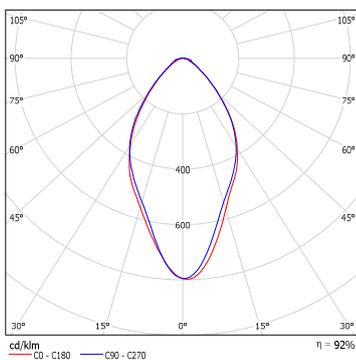


LIGHT DISTRIBUTION

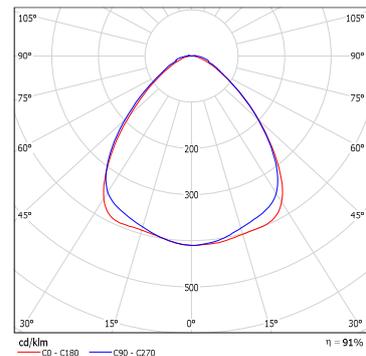
Narrow



Medium



Wide



NUMBER OF LUMINAIRES PER CIRCUIT BREAKER

| | B10 | B16 | B20 | C10 | C16 | C20 |
|------------|-----|-----|-----|-----|-----|-----|
| SIGMA 77W | 8 | 13 | 16 | 13 | 22 | 27 |
| SIGMA 117W | 8 | 13 | 16 | 13 | 22 | 27 |
| SIGMA 155W | 5 | 12 | 12 | 9 | 16 | 20 |
| SIGMA 235W | 4 | 6 | 8 | 6 | 11 | 13 |

