

## CLARIS LED



### Luminaire type

Suspended LED luminaire with direct/indirect distribution of the light -- the perfect solution for schools, offices, open spaces.

### Key advantages

- very high efficiency of more than 130 lm/W
- long life and maintenance free
- excellent glare protection on the direct side
- UGR 14
- quick pay-off for the initial investments (ROI)
- design for quick and easy installation

### Mounting

CLARIS LED is designed for suspended mounting with two steel wires (as accessories). The wires are fixed to the luminaire trough automatic fixation that allows secure locking and easy manual adjustment with no special tools.

### Application

CLARIS LED luminaire is the best in class solution for general lighting purposes for schools, offices, banks, meeting rooms, conference halls, etc.

### Optical system

This LED luminaire is equipped with double parabolic optical system on the direct side designed especially for LED source of light. The optics is produced from highly efficient anodized aluminum in combination with dedicated opal diffuser. For this optical system, ELUX has registered EU design. The result is a LED luminaire with excellent comfort and efficiency. The indirect part is covered with opal or clear polycarbonate. The available options for light distribution are 45%:55% or 30%:70% (down/up).

### Warranty

The operational life of the LED modules used is minimum 50,000 h. The warranty of the luminaire is 5 years.

## Technical Specification

| PRODUCT REVIEW              |                |
|-----------------------------|----------------|
| Technology                  | LED            |
| Dimmable                    | No             |
| Type                        | Integrated LED |
| Mount                       | Suspended      |
| Control gear type           | Electronic     |
| Housing material            | Steel          |
| Lumen maintenance L70/B50   | >70 000h       |
| Lumen maintenance L80/B10   | >65 000h       |
| Photo biological Risk Group | 0              |
| Luminaire efficacy (lm/W)   | >125           |
| SDCM                        | 3              |
| Fixture Luminous Flux       | 6600lm         |
| Glare control               | UGR < 19       |
| Color temperature (K)       | 4000           |
| IP                          | 40             |
| IK                          | 07             |

| GENERAL DATA                     |                             |
|----------------------------------|-----------------------------|
| Ordering No                      | 141001002622200402040300    |
| Product name                     | 2                           |
| General applications             | CLARIS BOX                  |
| Sales pack quantity              | Hospitals, operations rooms |
| Operating temperature range (°C) | 1                           |
| Housing color                    | 25                          |
|                                  | White RAL 9016              |

| ELECTRICAL DATA                  |           |
|----------------------------------|-----------|
| Luminaire Input Power (W)        | 53        |
| Inrush duration (µs)             | 282       |
| Inrush current (A)               | 17.8      |
| Drive current (mA)               | 350       |
| Max luminaires per 10A C Breaker | 24        |
| Max luminaires per 13A C breaker | 32        |
| Max luminaires per 16A C Breaker | 40        |
| Max luminaires per 20A C breaker | 49        |
| Max luminaires per 10A B breaker | 15        |
| Max luminaires per 13A B breaker | 19        |
| Max luminaires per 16A B breaker | ≤ 24      |
| Max luminaires per 20A B breaker | 30        |
| CRI                              | >80       |
| Electrical protection            | Class I   |
| Glow wire test (°C)              | 850       |
| Lamp energy label (class)        | A++       |
| Nominal input voltage            | 220...240 |
| Nominal frequency (Hz)           | 50...60   |



**PHYSICAL DATA**

|                             |                            |
|-----------------------------|----------------------------|
| Lamp included               | Yes                        |
| Included lamp               | Integrated LED             |
| Nominal product height (mm) | 54                         |
| Nominal product width (mm)  | 150                        |
| Nominal product length (mm) | 1250                       |
| Weight (kg)                 |                            |
| Diffuser finish             | Glass                      |
| Diffuser material           | None                       |
| Louvre finish               | Gloss                      |
| Louvre material             | Aluminium 99% reflectivity |
| Reflector material          | Aluminium                  |

**PACKAGING**

|  |        |
|--|--------|
| Single packaging type                    | Carton |
| Packaging outer length (cm)              | 127    |
| Packaging outer width (cm)               | 150    |
| Packaging outer height (cm)              | 5      |
| Single package volume (dm <sup>3</sup> ) | 37,75  |
| Single product gross weight (kg)         |        |
| Single packaging weight (kg)             | 0,2    |

**PHOTOMETRY**