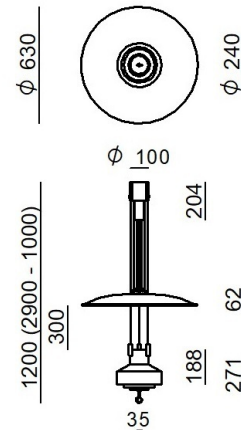




Pendant Luminaires | 220-240 V  
2 topLED 33 W DC - 36 W AC | CRI 90  
**9312**



| Technical data                                 |                     |
|--|---------------------|
| Construction year                              | 2021                |
| Type   | Pendant Luminaires  |
| Installation position                          | Ceiling             |
| Installation environment                       | Indoor              |
| Light Source                                   | LED                 |
| Optics   | General Lighting    |
| Light emission direction                       | downward and upward |
| Power  | 33 W                |
| Source lumens                                  | 3672 lm             |
| Frequency                                      | 50 - 60 Hz          |
| CCT / Tone                                     | 2700 K              |
| Colour rendering index                         | 90 Ra               |
| C.C. / C.V.                                    | AC                  |
| Safety class                                   | 1                   |
| IP   | IP20                |
| Glow wire test                                 | 650°                |
| Direct mounting on normally flammable surfaces | Yes                 |
| CE   | Yes                 |
| Driver included                                | Driver              |
| Dimmable article                               | DALI-2 - PUSH DIM   |
| Directional                                    | No                  |
| Tilting  | No                  |
| Walk-over                                      | No                  |
| Drive-over                                     | No                  |
| Cable included                                 | Yes                 |
| Cable length                                   | 9.3 m               |
| Resin potting                                  | No                  |
| Type of light emission                         | Double emission     |
| Net weight                                     | 7.000 Kg            |
| Electrostatic discharge protection             | No                  |
| Surge protection                               | No                  |

### Finishing casing

|            |                     |
|------------|---------------------|
| Material   | metal - metal       |
| Colour     | White RAL 9003 Matt |
| Processing | Coating - Coating   |

### Finishing diffuser

|            |                 |
|------------|-----------------|
| Material   | PMMA            |
| Colour     | opaline         |
| Processing | Satin finishing |

### Finishing mounting frame

|            |         |
|------------|---------|
| Material   | metal   |
| Colour     | black   |
| Processing | Coating |

## Pendant Luminaires | 220-240 V | 2 topLED 33 W DC - 36 W AC | CRI 90 | Base 9312

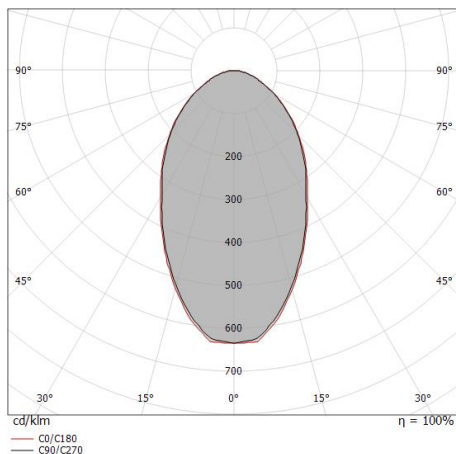
Double emission pendant luminaires for indoor application. The super warm LED light source with a general lighting light distribution is composed of 2 topLEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3672 lm, with a 111.3 lm/W nominal luminous efficacy.

The device body is made of metal and features a white ral 9003 matt finish, processed by means of coating. The device body is made of metal, processed by means of coating; the diffuser is made of pmma with a satin finishing treatment; the mounting frame is made of metal, with a black finish, processed by means of coating. The ingress protection degree is IP20; the total weight is of 7.000 kg.

The total absorbed power is 36 W. The power supply cable is included and features a 9.3 m length.

The device features protection class I and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.



| Distance [m] | Cone diameter [m] | illuminance [lx]                        |
|--------------|-------------------|---|
| 0.5          | 0.62<br>0.64      | E(0°) 3629<br>E(C90) 1112<br>E(C0) 1091 |
| 1.0          | 1.24<br>1.27      | E(0°) 907<br>E(C90) 278<br>E(C0) 273    |
| 1.5          | 1.87<br>1.91      | E(0°) 403<br>E(C90) 124<br>E(C0) 121    |
| 2.0          | 2.49<br>2.55      | E(0°) 227<br>E(C90) 70<br>E(C0) 68      |
| 2.5          | 3.11<br>3.19      | E(0°) 145<br>E(C90) 44<br>E(C0) 44      |
| 3.0          | 3.73<br>3.82      | E(0°) 101<br>E(C90) 31<br>E(C0) 30      |

— C0/C180 (Half-peak divergence: 65.0°)  
— C90/C270 (Half-peak divergence: 63.8°)

### Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

### Illuminotechnical Features

|   |                |
|---|----------------|
| Light Output Ratio (LOR)                | 38 %           |
| Source lumens                           | 3672 lm        |
| Delivered lumens                        | 1428 lm        |
| Consumption                             | 36 W           |
| Luminaire efficacy                      | 39 lm/W        |
| Colour temperature                      | 2700 K         |
| Standard Deviation of Colour Matching   | 3 Step MacAdam |
| Colour rendering index                  | 90 Ra          |
| Junction temperature (lighting fixture) | 80             |
| Standard Operating Ambient Temperature  | 25             |

### LED Life / Failure Ratio

L70 B20 C0 72500h

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 22       |
| UGR transversal   | 22       |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                             |             |
|-----------------------------|-------------|
| Light distribution symmetry | Symmetrical |
| C0/C180 optics              | 64°         |