

# GLN119 1120 2800lm 22W 830 I MBM WH Direct/ Indirect Casambi

Direct · 3000 K · IP40 · IK05 · any RAL on request



Length 50 mm

## APPLICATION

GLN119 Gentleline is a premium suspended linear luminaire designed for modern offices, meeting rooms, reception areas and representative interiors where both visual comfort and appearance are important. Its slim aluminium profile and precise proportions create a clean, elegant look that integrates naturally into contemporary architectural spaces. The luminaire uses high-quality LEDiL BRIANNA optics, developed for comfortable office lighting with excellent glare control and the possibility of achieving  $UGR \leq 19$ , depending on the luminaire configuration and installation layout. Direct light provides efficient and uniform illumination of working surfaces, while the indirect uplight softly illuminates the ceiling and creates a brighter, more balanced atmosphere in the room. Optics with approximately 60° or 75° beam angles are available. GLN119 can be installed as an individual suspended luminaire or, as an option, connected into continuous light lines. This allows Gentleline to be used both above individual workplaces and as part of a complete architectural lighting system for larger offices and premium public spaces.

|                               |                            |                             |                      |                   |                        |                       |                            |
|-------------------------------|----------------------------|-----------------------------|----------------------|-------------------|------------------------|-----------------------|----------------------------|
| <b>2800 lm</b><br>SYSTEM FLUX | <b>22 W</b><br>INPUT POWER | <b>127 lm/W</b><br>EFFICACY | <b>3000 K</b><br>CCT | <b>≥80</b><br>CRI | <b>IP40</b><br>INGRESS | <b>IK05</b><br>IMPACT | <b>100 000 h</b><br>L90B10 |
|-------------------------------|----------------------------|-----------------------------|----------------------|-------------------|------------------------|-----------------------|----------------------------|

## ELECTRICAL PARAMETERS

|                                   |                           |                                        |                     |
|-----------------------------------|---------------------------|----------------------------------------|---------------------|
| Nominal supply voltage            | <b>230 (220–240) V AC</b> | Supply voltage range                   | <b>198–264 V AC</b> |
| Type of supply current            | <b>AC</b>                 | Supply frequency                       | <b>50 / 60 Hz</b>   |
| Rated input power                 | <b>22W</b>                | Power factor (PF)                      | <b>0.98</b>         |
| Driver efficiency at nominal load | <b>92%</b>                | Total harmonic distortion (THDi)       | <b>&lt;10%</b>      |
| Protection class (electric shock) | <b>I</b>                  | Inrush current / time                  | <b>5A 50μsec</b>    |
| Driver type                       | <b>TCI</b>                | Number of luminaires on MCB 16A type B | <b>45</b>           |

## PHOTOMETRIC PARAMETERS

|                                  |                                |                                     |                             |
|----------------------------------|--------------------------------|-------------------------------------|-----------------------------|
| Luminous flux — system           | <b>2800lm</b>                  | Luminous flux — LED module          | <b>3300lm</b>               |
| Luminous efficacy — system       | <b>127lm/W</b>                 | Correlated colour temperature (CCT) | <b>3000 K</b>               |
| Colour rendering index Ra (CRI)  | <b>≥80</b>                     | Init. CRI tolerance                 | <b>±3</b>                   |
| Light distribution type          | <b>Direct</b>                  | Luminaire beam spread               | <b>Office beam</b>          |
| Optic type                       | <b>MBM - White metal shade</b> | Photobiological safety class        | <b>RG1</b>                  |
| Flicker — Output PstLM / SVM     | <b>≤0.1 / ≤0.2</b>             | Colour consistency (SDCM)           | <b>&lt; 3 MacAdam steps</b> |
| Upward light output ratio (ULOR) | <b>0</b>                       | Luminous flux tolerance             | <b>±5 %</b>                 |

## CONSTRUCTION & MATERIALS

|                          |                          |                                |                                                     |
|--------------------------|--------------------------|--------------------------------|-----------------------------------------------------|
| Luminaire type           | <b>Linear suspended</b>  | Light source type              | <b>LED</b>                                          |
| Light source replaceable | <b>yes</b>               | Cap / base type                | <b>Integrated</b>                                   |
| Housing material         | <b>Aluminium profile</b> | Housing coating                | <b>Powder coating</b>                               |
| Optic material           | <b>PMMA</b>              | Housing colour (RAL)           | <b>any RAL on request</b>                           |
| Mounting type            | <b>Suspended</b>         | Overall dimensions (H × W × L) | <b>50x70x120 as a standard 140x220cm on request</b> |
| Number of gear units     | <b>1 pcs</b>             |                                |                                                     |

## PROTECTION & ENVIRONMENT

|                             |                     |                            |                     |
|-----------------------------|---------------------|----------------------------|---------------------|
| IP rating — enclosure       | <b>IP40</b>         | Impact resistance class IK | <b>IK05</b>         |
| Operating temperature range | <b>-40...+35 °C</b> | Storage temperature range  | <b>-40...+65 °C</b> |
| Glow-wire test              | <b>650 °C / 5 s</b> | Relative humidity (max)    | <b>N/A</b>          |

## CONTROL & DIMMING

|                                   |                           |                              |         |
|-----------------------------------|---------------------------|------------------------------|---------|
| Dimmable                          | Yes                       | Control protocol / interface | Casambi |
| Built-in motion / presence sensor | Easyair sensor on request |                              |         |

## RELIABILITY & LIFETIME

|                                       |                 |                                      |       |
|---------------------------------------|-----------------|--------------------------------------|-------|
| Light source lifetime                 | 100000@L90 B10h | Lumen maintenance @ 50 000 h         | L95B5 |
| Lumen maintenance @ 100 000 h         | L90 B10         | Control gear failure rate @ 50 000 h | 99 %  |
| Control gear failure rate @ 100 000 h | 10%             | Maximum case temperature Tc          | 75°C  |

## CERTIFICATIONS

|                   |             |                      |           |
|-------------------|-------------|----------------------|-----------|
| Warranty period   | 5 years     | CE marking           | CE marked |
| ENEC mark         | No          | ENEC+ mark           | No        |
| UKCA marking      | UKCA marked | D4i certified (DALI) | No        |
| EU RoHS compliant | Yes         |                      |           |

## STANDARDS & SUSTAINABILITY

|                          |                   |                           |                |
|--------------------------|-------------------|---------------------------|----------------|
| Applicable standard      | EN-IEC 62722-2-96 | ETIM Class                | Not determined |
| Recyclable content ratio | Not determined    | Non-virgin material ratio | Not determined |
| Sustainability rating    | Not determined    | EAN / UPC                 | Not determined |

Application areas **Modern offices, meeting rooms, reception areas and representative interiors**

**Environmental data.** Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

**Documents.** Photometric files (IES / LDT) and installation instructions are available at takton.ee.