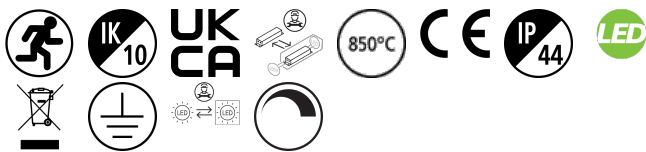


Giotto LED 305  
GIOTTO 305 3000K RECESSED 1-10V EMERGENCY  
3034787



Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1625lm, 16W, 102lm/W, 3000K, CRI 80, 1-10V dimmable, integral 3 hour maintained emergency, 100,000 hours lumen maintenance (L70:B50). Drive current: 600mA, IP44, IK10, Class I, 220-240V.



PRODUCT OVERVIEW

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | GIOTTO 305 3000K RECESSED 1-10V EMERGENCY |
| Technology                      | LED                                       |
| Cap/Base                        | N/A                                       |
| Housing                         | PC Polycarbonate                          |
| Mount                           | Ceiling recessed mounting                 |
| Environment                     | Indoor                                    |
| General application             | Hospitality, Logistics & Industry         |
| ETIM Class                      | EC002892                                  |
| Warranty                        | 5 years                                   |
| Fixture luminous flux (lm)      | 1625                                      |
| Luminous flux (lm)              | 1625                                      |
| Luminaire efficacy (lm/W)       | 102                                       |
| Colour temperature (K)          | 3000                                      |
| Colour Code                     | 830                                       |
| Light colour                    | Warm White                                |
| CRI (Ra)                        | 80                                        |
| Colour Variation Initial (SDCM) | SDCM3                                     |
| Beam Angle (°)                  | 120                                       |
| Glare control                   | < 24                                      |
| Photobiological Risk Group      | RG0                                       |
| Luminous flux (emergency) (lm)  | 128                                       |
| Luminous flux (emergency) (lm)  | 128                                       |
| Total power consumption (W)     | 20                                        |
| Electrical protection           | Class I                                   |
| Control gear type               | LED driver constant current               |
| Control gear mounting           | Integrated                                |
| Dimmable                        | Yes                                       |
| Dimming method                  | 1-10V (Analogue)                          |
| LED Flickering Rate             | Ultra low (5% or less)                    |
| Housing colour                  | White                                     |
| IP rating                       | IP44                                      |
| IK rating                       | IK10                                      |
| Product EAN number              | 8711971347873                             |

## Giotto LED 305

*GIOTTO 305 3000K RECESSED 1-10V EMERGENCY*

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### DATA TABLE

#### General data

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Product name                            | GIOTTO 305 3000K RECESSED 1-10V EMERGENCY |
| Technology                              | LED                                       |
| Cap/Base                                | N/A                                       |
| Housing                                 | PC Polycarbonate                          |
| Mount                                   | Ceiling recessed mounting                 |
| Environment                             | Indoor                                    |
| General application                     | Hospitality, Logistics & Industry         |
| Operating temperature range (°C)        | 1°C...+25°C                               |
| Performance ambient temperature Tq (°C) | 25                                        |
| ETIM Class                              | EC002892                                  |
| Warranty                                | 5 years                                   |

#### Optical data

|                                              |            |
|----------------------------------------------|------------|
| Fixture luminous flux (lm)                   | 1625       |
| Luminous flux (lm)                           | 1625       |
| Luminaire efficacy (lm/W)                    | 102        |
| Colour temperature (K)                       | 3000       |
| Colour Code                                  | 830        |
| Light colour                                 | Warm White |
| CRI (Ra)                                     | 80         |
| Colour Variation Initial (SDCM)              | SDCM3      |
| Adjustable chromaticity                      | N          |
| Beam Angle (°)                               | 120        |
| Distribution type                            | Symmetric  |
| Glare control                                | < 24       |
| Photobiological Risk Group                   | RG0        |
| Lumen maintenance at end of nominal life (%) | 80         |
| Luminous flux (emergency) (lm)               | 128        |
| Luminous flux (emergency) (lm)               | 128        |
| Emergency duration (h)                       | 3          |

#### Electrical data

|                             |                             |
|-----------------------------|-----------------------------|
| Total power consumption (W) | 20                          |
| Mains voltage (V)           | 220-240V                    |
| Lamp power factor           | 0.95                        |
| Electrical protection       | Class I                     |
| Control gear required       | No                          |
| Control gear type           | LED driver constant current |
| Control gear mounting       | Integrated                  |
| Dimmable                    | Yes                         |
| Dimming method              | 1-10V (Analogue)            |
| Drive current (mA)          | 600                         |
| Inrush Current (A)          | 5                           |

## Giotto LED 305

*GIOTTO 305 3000K RECESSED 1-10V EMERGENCY*

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Inrush Duration (µs)                                     | 50                     |
| Glow Wire Test (°C)                                      | 850                    |
| Energy Efficiency Class (A->G) of contained light source | D                      |
| Nominal Frequency (Hz)                                   | 50/60Hz                |
| LED Flickering Rate                                      | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker                        | 52                     |
| Max. Luminaires per 16A C Breaker                        | 85                     |
| Max. Luminaires per 20A C Breaker                        | 104                    |
| Max. Luminaires per 10A B Breaker                        | 31                     |
| Max. Luminaires per 16A B Breaker                        | 50                     |
| Max. Luminaires per 20A B Breaker                        | 62                     |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L70 B10 | 60000 |
| Lifespan L80 B50 | 60000 |
| Lifespan L80 B10 | 60000 |
| Lifespan L90 B50 | 40000 |
| Lifespan L90 B10 | 32000 |

### Physical data

|                               |                  |
|-------------------------------|------------------|
| Housing colour                | White            |
| IP rating                     | IP44             |
| IK rating                     | IK10             |
| Diffuser finish               | Opal             |
| Diffuser material             | PC Polycarbonate |
| Nominal Product Height (mm)   | 104              |
| Nominal Product Diameter (mm) | 325              |
| Weight (kg)                   | 1.41             |
| Recessed Depth (mm)           | 41               |

### Packaging

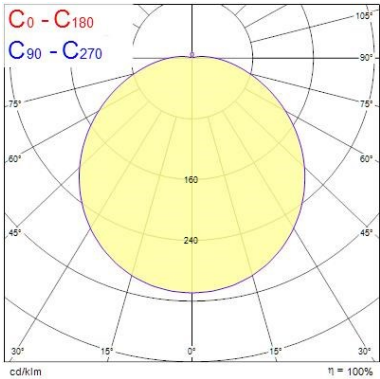
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971347873  |
| Packaging single length / height (cm) | 32.5           |
| Packaging single width (cm)           | 32.5           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (outer)                         | 08711971347873 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 32.5           |
| Packaging outer width (cm)            | 32.5           |
| Packaging outer depth (cm)            | 10.0           |

### Safety data

|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 1-25 |
|----------------------------------|------|

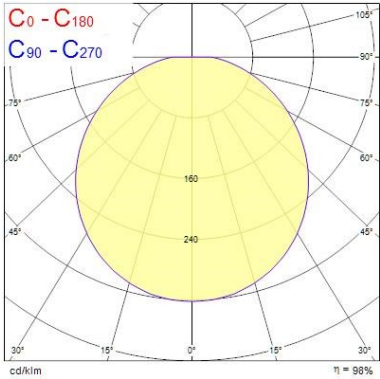
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PHOTOMETRY



| Distance [m] | Cone diameter [m] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|------------------|
| 0.5          | 1.54              | 57.0°          | 188              |
| 1.0          | 3.08              | 57.0°          | 47               |
| 1.5          | 4.62              | 57.0°          | 19               |
| 2.0          | 6.16              | 57.0°          | 10               |
| 2.5          | 7.70              | 57.0°          | 7                |
| 3.0          | 9.24              | 57.0°          | 5                |

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 114.0°)



| Distance [m] | Cone diameter [m] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|------------------|
| 0.5          | 1.58              | 57.6°          | 2010             |
| 1.0          | 3.15              | 57.6°          | 502              |
| 1.5          | 4.73              | 57.6°          | 223              |
| 2.0          | 6.30              | 57.6°          | 126              |
| 2.5          | 7.88              | 57.6°          | 80               |
| 3.0          | 9.45              | 57.6°          | 56               |

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 115.2°)

TECHNICAL DRAWINGS

