

## Giotto LED 305

### GIOTTO 305 4000K RECESSED MW SENSOR

### 3034774



#### Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1750lm, 14.7W, 119lm/W, 4000K, CRI 80, non-dimmable, integral microwave sensor. 100,000 hours lumen maintenance (L70:B50). Drive current: 600mA, IP44, IK10, Class I, 220-240V.



#### PRODUCT OVERVIEW

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Product name                    | GIOTTO 305 4000K RECESSED MW SENSOR |
| 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)      | 1690                                |
| Luminous flux (lm)              | 1690                                |
| Luminaire efficacy (lm/W)       | 89                                  |
| Colour temperature (K)          | 4000                                |
| Colour Code                     | 840                                 |
| Light colour                    | Neutral White                       |
| CRI (Ra)                        | 80                                  |
| Colour Variation Initial (SDCM) | SDCM3                               |
| Beam Angle (°)                  | 120                                 |
| Glare control                   | < 25                                |
| Photobiological Risk Group      | RG0                                 |
| Total power consumption (W)     | 19                                  |
| Electrical protection           | Class I                             |
| Control gear type               | LED driver constant current         |
| Control gear mounting           | Integrated                          |
| Dimmable                        | No                                  |
| Dimming method                  | N/A                                 |
| LED Flickering Rate             | Ultra low (5% or less)              |
| Housing colour                  | White                               |
| IP rating                       | IP44                                |
| IK rating                       | IK10                                |
| Product EAN number              | 8711971347743                       |

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#### DATA TABLE

##### General data

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Product name                            | GIOTTO 305 4000K RECESSED MW SENSOR |
| Technology                              | LED                                 |
| Cap/Base                                | N/A                                 |
| Housing                                 | PC Polycarbonate                    |
| Mount                                   | Ceiling recessed mounting           |
| Environment                             | Indoor                              |
| General application                     | Hospitality, Logistics & Industry   |
| Operating temperature range (°C)        | -25°C...+25°C                       |
| Performance ambient temperature Tq (°C) | 25                                  |
| ETIM Class                              | EC002892                            |
| Warranty                                | 5 years                             |

##### Optical data

|                                              |               |
|----------------------------------------------|---------------|
| Fixture luminous flux (lm)                   | 1690          |
| Luminous flux (lm)                           | 1690          |
| Luminaire efficacy (lm/W)                    | 89            |
| Colour temperature (K)                       | 4000          |
| Colour Code                                  | 840           |
| Light colour                                 | Neutral White |
| CRI (Ra)                                     | 80            |
| Colour Variation Initial (SDCM)              | SDCM3         |
| Adjustable chromaticity                      | N             |
| Beam Angle (°)                               | 120           |
| Glare control                                | < 25          |
| Photobiological Risk Group                   | RG0           |
| Lumen maintenance at end of nominal life (%) | 80            |

##### Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 19                          |
| 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                                                 | No                          |
| Dimming method                                           | N/A                         |
| Drive current (mA)                                       | 600                         |
| Inrush Current (A)                                       | 5                           |
| Inrush Duration (µs)                                     | 50                          |
| Glow Wire Test (°C)                                      | 850                         |
| Energy Efficiency Class (A->G) of contained light source | D                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |

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|                                   |                        |
|-----------------------------------|------------------------|
| 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)                   | 1.11             |
| Recessed Depth (mm)           | 41               |

#### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971347743  |
| Packaging single length / height (cm) | 32.5           |
| Packaging single width (cm)           | 32.5           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (outer)                         | 08711971347743 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 32.5           |
| Packaging outer width (cm)            | 32.5           |
| Packaging outer depth (cm)            | 10.0           |

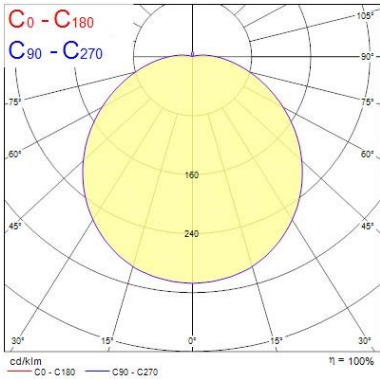
#### Safety data

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

## PHOTOMETRY

Giotto LED 305  
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|                                     |      |                   |       |                  |
|-------------------------------------|------|-------------------|-------|------------------|
|                                     |      |                   |       |                  |
| 0.5                                 | 1.59 | E(0°)<br>E(C0)    | 57.8° | 2078<br>158      |
| 1.0                                 | 3.18 | E(0°)<br>E(C0)    | 57.8° | 520<br>39        |
| 1.5                                 | 4.76 | E(0°)<br>E(C0)    | 57.8° | 221<br>15        |
| 2.0                                 | 6.35 | E(0°)<br>E(C0)    | 57.8° | 130<br>10        |
| 2.5                                 | 7.94 | E(0°)<br>E(C0)    | 57.8° | 83<br>6          |
| 3.0                                 | 9.53 | E(0°)<br>E(C0)    | 57.8° | 58<br>4          |
| Distance [m]                        |      | Cone diameter [m] |       | Illuminance [lx] |
| C0 - C180 (Half beam angle: 115.6°) |      |                   |       |                  |



TECHNICAL DRAWINGS

