

## Giotto LED 305

### GIOTTO 305 4000K SURFACE DALI

### 3034772



#### Product features

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



## PRODUCT OVERVIEW

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Product name                    | GIOTTO 305 4000K SURFACE DALI                   |
| Technology                      | LED                                             |
| Cap/Base                        | N/A                                             |
| Housing                         | PC Polycarbonate                                |
| Mount                           | Ceiling recessed mounting, Wall surface mounted |
| Environment                     | Indoor                                          |
| General application             | Hospitality, Logistics & Industry               |
| ETIM Class                      | EC002892                                        |
| E-number FI                     | 4270210                                         |
| Warranty                        | 5 years                                         |
| Fixture luminous flux (lm)      | 1750                                            |
| Luminous flux (lm)              | 1750                                            |
| Luminaire efficacy (lm/W)       | 119                                             |
| 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                        | Yes                                             |
| Dimming method                  | DALI                                            |
| Minimum dimming level (%)       | 1                                               |
| LED Flickering Rate             | Ultra low (5% or less)                          |
| Housing colour                  | White                                           |
| IP rating                       | IP44                                            |
| IK rating                       | IK10                                            |
| Product EAN number              | 8711971347729                                   |

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#### DATA TABLE

##### General data

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| Product name                            | GIOTTO 305 4000K SURFACE DALI                   |
| Technology                              | LED                                             |
| Cap/Base                                | N/A                                             |
| Housing                                 | PC Polycarbonate                                |
| Mount                                   | Ceiling recessed mounting, Wall surface mounted |
| Environment                             | Indoor                                          |
| General application                     | Hospitality, Logistics & Industry               |
| Operating temperature range (°C)        | -25°C...+25°C                                   |
| Performance ambient temperature Tq (°C) | 25                                              |
| ETIM Class                              | EC002892                                        |
| E-number FI                             | 4270210                                         |
| Warranty                                | 5 years                                         |

##### Optical data

|                                              |               |
|----------------------------------------------|---------------|
| Fixture luminous flux (lm)                   | 1750          |
| Luminous flux (lm)                           | 1750          |
| Luminaire efficacy (lm/W)                    | 119           |
| 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           |
| Distribution type                            | Symmetric     |
| 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                    | Yes                         |
| Dimming method              | DALI                        |
| Minimum dimming level (%)   | 1                           |
| Drive current (mA)          | 600                         |
| Inrush Current (A)          | 5                           |
| Inrush Duration (µs)        | 50                          |

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| 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) | 305              |
| Weight (kg)                   | 1.11             |

#### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971347729  |
| Packaging single length / height (cm) | 32.5           |
| Packaging single width (cm)           | 32.5           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (outer)                         | 08711971347729 |
| 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 |
|----------------------------------|--------|

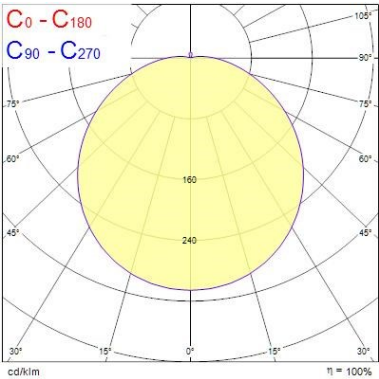
## PHOTOMETRY

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|     |      |                |       |             |
|-----|------|----------------|-------|-------------|
| 0.5 | 1.61 | E(0°)<br>E(C0) | 55.1° | 2140<br>158 |
| 1.0 | 3.21 | E(0°)<br>E(C0) | 55.1° | 535<br>40   |
| 1.5 | 4.82 | E(0°)<br>E(C0) | 55.1° | 238<br>18   |
| 2.0 | 6.43 | E(0°)<br>E(C0) | 55.1° | 134<br>10   |
| 2.5 | 8.03 | E(0°)<br>E(C0) | 55.1° | 86<br>6     |
| 3.0 | 9.64 | E(0°)<br>E(C0) | 55.1° | 59<br>4     |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 116.2°)



TECHNICAL DRAWINGS

