

## Giotto LED 235

### GIOTTO 235 3000K RECESSED DALI

### 3034759



#### Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1075lm, 10.1W, 106lm/W, 3000K, CRI 80, DALI, 100,000 hours lumen maintenance (L70:B50). Drive current: 275mA, IP44, IK10, Class I, 220-240V.



#### PRODUCT OVERVIEW

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Product name                    | GIOTTO 235 3000K RECESSED DALI    |
| Technology                      | LED                               |
| Cap/Base                        | N/A                               |
| Housing                         | PC Polycarbonate                  |
| Mount                           | Ceiling recessed mounting         |
| Environment                     | Indoor                            |
| General application             | Hospitality, Logistics & Industry |
| ETIM Class                      | EC002892                          |
| E-number FI                     | 4270051                           |
| Warranty                        | 5 years                           |
| Fixture luminous flux (lm)      | 1037                              |
| Luminous flux (lm)              | 1037                              |
| Luminaire efficacy (lm/W)       | 86                                |
| Colour temperature (K)          | 3000                              |
| Colour Code                     | 830                               |
| Light colour                    | Warm White                        |
| CRI (Ra)                        | 80                                |
| Colour Variation Initial (SDCM) | SDCM3                             |
| Beam Angle (°)                  | 120                               |
| Glare control                   | < 25                              |
| Photobiological Risk Group      | RG0                               |
| Total power consumption (W)     | 12                                |
| 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              | 8711971347590                     |

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### DATA TABLE

#### General data

|                                                     |                                   |
|-----------------------------------------------------|-----------------------------------|
| Product name                                        | GIOTTO 235 3000K RECESSED DALI    |
| 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 T <sub>q</sub> (°C) | 25                                |
| ETIM Class                                          | EC002892                          |
| E-number FI                                         | 4270051                           |
| Warranty                                            | 5 years                           |

#### Optical data

|                                              |            |
|----------------------------------------------|------------|
| Fixture luminous flux (lm)                   | 1037       |
| Luminous flux (lm)                           | 1037       |
| Luminaire efficacy (lm/W)                    | 86         |
| 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        |
| Glare control                                | < 25       |
| Photobiological Risk Group                   | RG0        |
| Lumen maintenance at end of nominal life (%) | 80         |

#### Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 12                          |
| 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)                                       | 300                         |
| Glow Wire Test (°C)                                      | 850                         |
| Energy Efficiency Class (A->G) of contained light source | D                           |

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|                                   |                        |
|-----------------------------------|------------------------|
| 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 | 37000 |
| Lifespan L90 B10 | 29000 |

#### Physical data

|                               |                  |
|-------------------------------|------------------|
| Housing colour                | White            |
| IP rating                     | IP44             |
| IK rating                     | IK10             |
| Diffuser finish               | Opal             |
| Diffuser material             | PC Polycarbonate |
| Nominal Product Height (mm)   | 92               |
| Nominal Product Diameter (mm) | 265              |
| Weight (kg)                   | 0.86             |
| Recessed Depth (mm)           | 41               |

#### Packaging

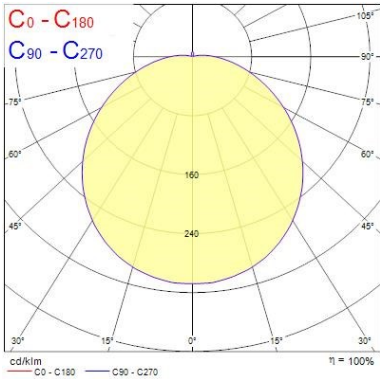
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971347590  |
| Packaging single length / height (cm) | 26.5           |
| Packaging single width (cm)           | 26.5           |
| Packaging single depth (cm)           | 9.5            |
| DUN14 (outer)                         | 08711971347590 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 26.5           |
| Packaging outer width (cm)            | 26.5           |
| Packaging outer depth (cm)            | 9.5            |

#### Safety data

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

## PHOTOMETRY

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TECHNICAL DRAWINGS

