

Giotto LED 235  
GIOTTO 235 4000K RECESSED DALI  
3034758



Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1150lm, 10.1W, 114lm/W, 4000K, CRI 80, DALI, 120,000 hours lumen maintenance (L70:B50). Drive current: 275mA, IP44, IK10, Class I, 220-240V.



PRODUCT OVERVIEW

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Product name                    | GIOTTO 235 4000K 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                     | 4270060                           |
| Warranty                        | 5 years                           |
| Fixture luminous flux (lm)      | 1150                              |
| Luminous flux (lm)              | 1150                              |
| Luminaire efficacy (lm/W)       | 114                               |
| 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)     | 10.1                              |
| 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              | 8711971347583                     |

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### DATA TABLE

#### General data

|                                                     |                                   |
|-----------------------------------------------------|-----------------------------------|
| Product name                                        | GIOTTO 235 4000K 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                                         | 4270060                           |
| Warranty                                            | 5 years                           |

#### Optical data

|                                              |               |
|----------------------------------------------|---------------|
| Fixture luminous flux (lm)                   | 1150          |
| Luminous flux (lm)                           | 1150          |
| Luminaire efficacy (lm/W)                    | 114           |
| 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)              | 10.1                        |
| Primary Supply/Product voltage - min (V) | 220                         |
| Primary Supply/Product voltage - max (V) | 240                         |
| 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)                       | 275                         |

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Inrush Current (A)                                       | 20                     |
| Inrush Duration (µs)                                     | 200                    |
| Glow Wire Test (°C)                                      | 850                    |
| Energy Efficiency Class (A->G) of contained light source | C                      |
| Nominal Frequency (Hz)                                   | 50/60Hz                |
| LED Flickering Rate                                      | Ultra low (5% or less) |
| Max. products per 10A C Breaker                          | 30                     |
| Max. products per 16A C Breaker                          | 45                     |
| Max. products per 20A C Breaker                          | 54                     |
| Max. products per 10A B Breaker                          | 20                     |
| Max. products per 16A B Breaker                          | 30                     |
| Max. products per 20A B Breaker                          | 36                     |
| Connectable conductor cross section - Min (mm²)          | 0.75                   |
| Connectable conductor cross section - Max (mm²)          | 2.5                    |

#### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 170000 |
| Lifespan L80 B10 | 129000 |
| Lifespan L90 B10 | 63000  |

#### 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                    | 8711971347583  |
| Packaging single length / height (cm) | 26.5           |
| Packaging single width (cm)           | 26.5           |
| Packaging single depth (cm)           | 9.5            |
| DUN14 (outer)                         | 08711971347583 |
| 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 |
|----------------------------------|--------|

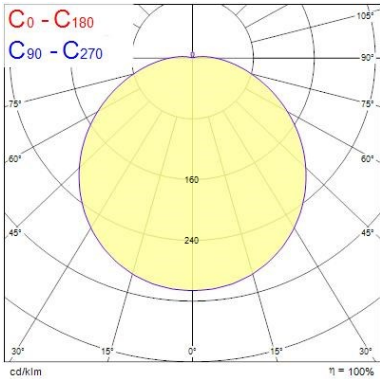
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PHOTOMETRY

|     |      |  |                |       |             |
|-----|------|--|----------------|-------|-------------|
| 0.5 | 1.62 |  | E(0°)<br>E(C0) | 58.3° | 1408<br>102 |
| 1.0 | 3.24 |  | E(0°)<br>E(C0) | 58.3° | 352<br>26   |
| 1.5 | 4.86 |  | E(0°)<br>E(C0) | 58.3° | 158<br>11   |
| 2.0 | 6.48 |  | E(0°)<br>E(C0) | 58.3° | 88<br>6     |
| 2.5 | 8.10 |  | E(0°)<br>E(C0) | 58.3° | 58<br>4     |
| 3.0 | 9.71 |  | E(0°)<br>E(C0) | 58.3° | 39<br>3     |

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

— C0 - C180 (Half beam angle: 116.6°)



TECHNICAL DRAWINGS

