

## Giotto LED 335

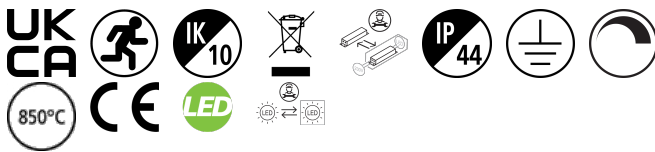
### GIOTTO 335 3000K RECESSED 1-10V EMERGENCY

#### 3034819



#### Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 2225 mm, 19.5W, 114lm/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 335 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)      | 2056                                      |
| Luminous flux (lm)              | 2056                                      |
| 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                                       |
| Luminous flux (emergency) (lm)  | 114                                       |
| Total power consumption (W)     | 24                                        |
| 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              | 8711971348191                             |

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#### DATA TABLE

##### General data

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Product name                            | GIOTTO 335 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)                   | 2056       |
| Luminous flux (lm)                           | 2056       |
| 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         |
| Luminous flux (emergency) (lm)               | 114        |
| Emergency duration (h)                       | 3          |

##### Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 24                          |
| 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                         |
| Glow Wire Test (°C)                                      | 850                         |
| Energy Efficiency Class (A->G) of contained light source | E                           |
| 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 | 42000 |
|------------------|-------|

|                  |       |
|------------------|-------|
| Lifespan L90 B10 | 35000 |
|------------------|-------|

### Physical data

|                |       |
|----------------|-------|
| Housing colour | White |
|----------------|-------|

|           |      |
|-----------|------|
| IP rating | IP44 |
|-----------|------|

|           |      |
|-----------|------|
| IK rating | IK10 |
|-----------|------|

|                 |      |
|-----------------|------|
| Diffuser finish | Opal |
|-----------------|------|

|                   |                  |
|-------------------|------------------|
| Diffuser material | PC Polycarbonate |
|-------------------|------------------|

|                             |     |
|-----------------------------|-----|
| Nominal Product Height (mm) | 110 |
|-----------------------------|-----|

|                               |     |
|-------------------------------|-----|
| Nominal Product Diameter (mm) | 355 |
|-------------------------------|-----|

|             |     |
|-------------|-----|
| Weight (kg) | 1.5 |
|-------------|-----|

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

### Packaging

|                       |        |
|-----------------------|--------|
| Single packaging type | Carton |
|-----------------------|--------|

|                    |               |
|--------------------|---------------|
| Product EAN number | 8711971348191 |
|--------------------|---------------|

|                                       |      |
|---------------------------------------|------|
| Packaging single length / height (cm) | 35.7 |
|---------------------------------------|------|

|                             |      |
|-----------------------------|------|
| Packaging single width (cm) | 35.7 |
|-----------------------------|------|

|                             |      |
|-----------------------------|------|
| Packaging single depth (cm) | 10.6 |
|-----------------------------|------|

|               |                |
|---------------|----------------|
| DUN14 (outer) | 08711971348191 |
|---------------|----------------|

|                         |   |
|-------------------------|---|
| Units per outer package | 1 |
|-------------------------|---|

|                                      |      |
|--------------------------------------|------|
| Packaging outer length / height (cm) | 35.7 |
|--------------------------------------|------|

|                            |      |
|----------------------------|------|
| Packaging outer width (cm) | 35.7 |
|----------------------------|------|

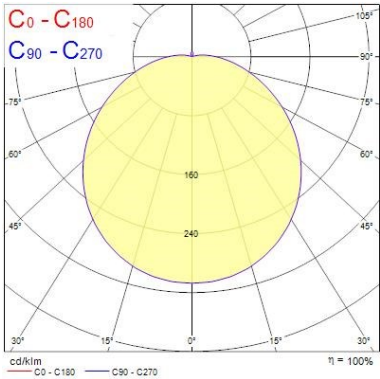
|                            |      |
|----------------------------|------|
| Packaging outer depth (cm) | 10.6 |
|----------------------------|------|

### Safety data

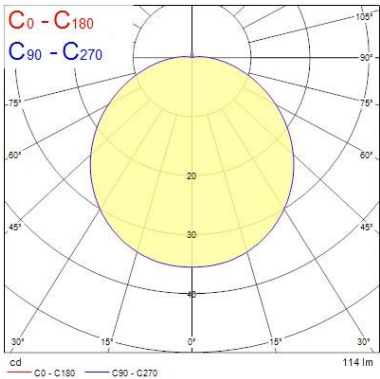
|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 1-25 |
|----------------------------------|------|

## PHOTOMETRY

Giotto LED 335  
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| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|----------------|------------------|
| 0.5          | 1.59              | 57.9°          | 57.9°          | 15               |
| 1.0          | 3.19              | 57.9°          | 57.9°          | 4                |
| 1.5          | 4.78              | 57.9°          | 57.9°          | 2                |
| 2.0          | 6.38              | 57.9°          | 57.9°          | 1                |
| 2.5          | 7.97              | 57.9°          | 57.9°          | 1                |
| 3.0          | 9.56              | 57.9°          | 57.9°          | 0                |



| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|----------------|------------------|
| 0.5          | 1.59              | 57.9°          | 57.9°          | 2538             |
| 1.0          | 3.18              | 57.9°          | 57.9°          | 632              |
| 1.5          | 4.76              | 57.9°          | 57.9°          | 281              |
| 2.0          | 6.35              | 57.9°          | 57.9°          | 188              |
| 2.5          | 7.94              | 57.9°          | 57.9°          | 101              |
| 3.0          | 9.53              | 57.9°          | 57.9°          | 70               |

TECHNICAL DRAWINGS

