

Giotto LED 235

GIOTTO 235 3000K RECESSED

3034751



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, non-dimmable, 100,000 hours lumen maintenance (L70:B50). Drive current: 275mA, IP44, IK10, Class I, 220-240V.



PRODUCT OVERVIEW

Product name	GIOTTO 235 3000K RECESSED
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	4270045
Warranty	5 years
Fixture luminous flux (lm)	1075
Luminous flux (lm)	1075
Luminaire efficacy (lm/W)	106
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)	10.1
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	8711971347514

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DATA TABLE

General data

Product name	GIOTTO 235 3000K RECESSED
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
E-number FI	4270045
Warranty	5 years

Optical data

Fixture luminous flux (lm)	1075
Luminous flux (lm)	1075
Luminaire efficacy (lm/W)	106
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
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
Mains voltage (V)	220-240V
Lamp power factor	0.88
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
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)	275
Inrush Current (A)	14
Inrush Duration (µs)	280

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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	40
Max. Luminaires per 16A C Breaker	64
Max. Luminaires per 20A C Breaker	80
Max. Luminaires per 10A B Breaker	24
Max. Luminaires per 16A B Breaker	38
Max. Luminaires per 20A B Breaker	48

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

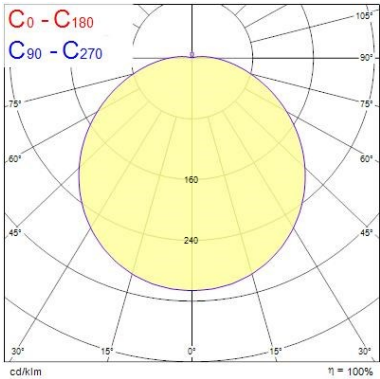
Single packaging type	Carton
Product EAN number	8711971347514
Packaging single length / height (cm)	26.5
Packaging single width (cm)	26.5
Packaging single depth (cm)	9.5
DUN14 (outer)	08711971347514
Units per outer package	1
Packaging outer length / height (cm)	26.5
Packaging outer width (cm)	26.5
Packaging outer depth (cm)	9.5

Safety data

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

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0.5	1.62	$\frac{E(0^\circ)}{E(C0)}$	58.3°	1316
		$\frac{E(C0)}$		96
1.0	3.24	$\frac{E(0^\circ)}{E(C0)}$	58.3°	329
		$\frac{E(C0)}$		24
1.5	4.86	$\frac{E(0^\circ)}{E(C0)}$	58.3°	146
		$\frac{E(C0)}$		11
2.0	6.48	$\frac{E(0^\circ)}{E(C0)}$	58.3°	62
		$\frac{E(C0)}$		6
2.5	8.10	$\frac{E(0^\circ)}{E(C0)}$	58.3°	53
		$\frac{E(C0)}$		4
3.0	9.71	$\frac{E(0^\circ)}{E(C0)}$	58.3°	57
		$\frac{E(C0)}$		3

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

C0 - C180 (Half beam angle: 116.6°)

TECHNICAL DRAWINGS

