

Giotto LED 305

GIOTTO 305 4000K SURFACE EMERGENCY

3034784



Product features

- Ambient and decorative round, surface mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1750lm, 16W, 109lm/W, 4000K, CRI 80, non-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 305 4000K SURFACE EMERGENCY
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
Warranty	5 years
Fixture luminous flux (lm)	1750
Luminous flux (lm)	1750
Luminaire efficacy (lm/W)	109
Colour temperature (K)	4000
Colour Code	840
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	120
Glare control	< 24
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	138
Luminous flux (emergency) (lm)	138
Total power consumption (W)	20
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

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IK rating	IK10
Product EAN number	8711971347842

DATA TABLE

General data

Product name	GIOTTO 305 4000K SURFACE EMERGENCY
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)	1°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	1750
Luminous flux (lm)	1750
Luminaire efficacy (lm/W)	109
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	< 24
Photobiological Risk Group	RG0
Lumen maintenance at end of nominal life (%)	80
Luminous flux (emergency) (lm)	138
Luminous flux (emergency) (lm)	138
Emergency duration (h)	3

Electrical data

Total power consumption (W)	20
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	No
Dimming method	N/A

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Drive current (mA)	600
Inrush Current (A)	40
Inrush Duration (µs)	400
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)	1.41

Packaging

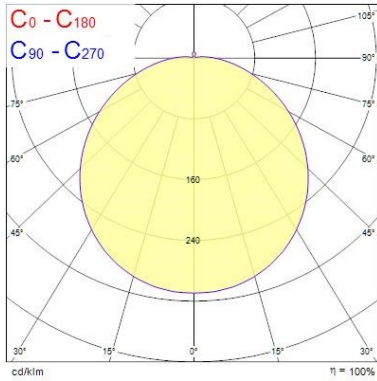
Single packaging type	Carton
Product EAN number	8711971347842
Packaging single length / height (cm)	32.5
Packaging single width (cm)	32.5
Packaging single depth (cm)	10.0
DUN14 (outer)	08711971347842
Units per outer package	1
Packaging outer length / height (cm)	32.5
Packaging outer width (cm)	32.5
Packaging outer depth (cm)	10.0

Safety data

Optimal operating condition (°C)	1-25
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PHOTOMETRY



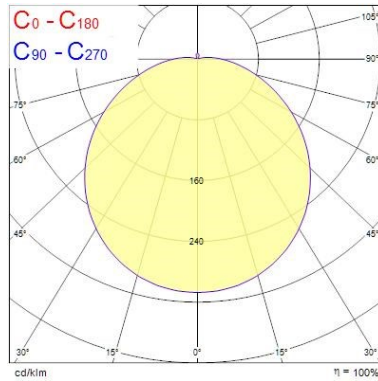
Distance [m]	Cone diameter [m]	E _{0°} [lx]	E _{1/2°} [lx]	E _{1/3°} [lx]	illuminance [lx]
0.5	1.58	2182	57.7°	185	
1.0	3.16	538	57.7°	41	
1.5	4.75	239	57.7°	18	
2.0	6.33	134	57.7°	10	
2.5	7.91	86	57.7°	7	
3.0	9.49	60	57.7°	5	

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 115.4°)

cd/klm $\eta = 100\%$

Distance [m]	Cone diameter [m]	E _{0°} [lx]	E _{1/2°} [lx]	E _{1/3°} [lx]	illuminance [lx]
0.5	1.60	171	58.0°	13	
1.0	3.20	43	58.0°	3	
1.5	4.80	19	58.0°	1	
2.0	6.40	11	58.0°	1	
2.5	8.00	7	58.0°	1	
3.0	9.60	5	58.0°	0	

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 116.0°)



TECHNICAL DRAWINGS

