

Giotto LED 305

GIOTTO 305 3000K RECESSED DALI EMERGENCY
3034791



Product features

- Ambient and decorative round, recessed mounted LED bulkhead luminaire. White robust polycarbonate body with opal diffuser, 1625lm, 16W, 102lm/W, 3000K, CRI 80, DALI, integral 3 hour maintained emergency, 120,000 hours lumen maintenance (L70:B50). Drive current: 600mA, IP44, IK10, Class I, 220-240V.



PRODUCT OVERVIEW

Product name	GIOTTO 305 3000K RECESSED DALI 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)	1625
Luminous flux (lm)	1625
Luminaire efficacy (lm/W)	102
Colour temperature (K)	3000
Colour Code	830
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	120
Glare control	< 24
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	128
Luminous flux (emergency) (lm)	128
Total power consumption (W)	16
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

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Product EAN number 8711971347910

DATA TABLE

General data

Product name	GIOTTO 305 3000K RECESSED DALI 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)	1625
Luminous flux (lm)	1625
Luminaire efficacy (lm/W)	102
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	< 24
Photobiological Risk Group	RG0
Lumen maintenance at end of nominal life (%)	80
Luminous flux (emergency) (lm)	128
Luminous flux (emergency) (lm)	128
Emergency duration (h)	3

Electrical data

Total power consumption (W)	16
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

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Dimming method

DALI

Minimum dimming level (%)

1

Drive current (mA)

600

Inrush Current (A)

5

Inrush Duration (μs)

50

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. products per 10A C Breaker

52

Max. products per 16A C Breaker

85

Max. products per 20A C Breaker

104

Max. products per 10A B Breaker

31

Max. products per 16A B Breaker

50

Max. products per 20A B Breaker

62

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

127500

Lifespan L90 B10

62500

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)

325

Weight (kg)

1.41

Recessed Depth (mm)

41

Packaging

Single packaging type

Carton

Product EAN number

8711971347910

Packaging single length / height (cm)

32.5

Packaging single width (cm)

32.5

Packaging single depth (cm)

10.0

DUN14 (outer)

08711971347910

Units per outer package

1

Packaging outer length / height (cm)

32.5

Packaging outer width (cm)

32.5

Packaging outer depth (cm)

10.0

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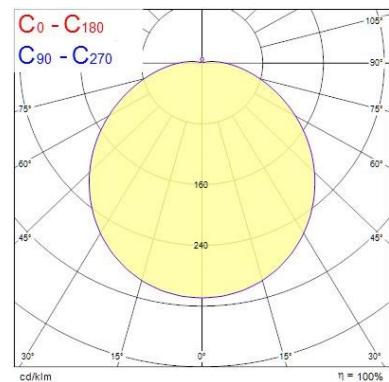
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Safety data

Optimal operating condition (°C)

1-25

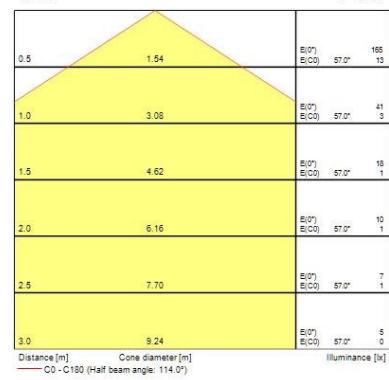
PHOTOMETRY



Distance [m]	Cone diameter [m]	Illuminance [lx]	$E(0')$	$E(C0)$	Angle [°]
0.5	1.58	2010	0.5	57.6°	155
1.0	3.15	620	1.0	57.6°	29
1.5	4.73	223	1.5	57.6°	17
2.0	6.30	126	2.0	57.6°	10
2.5	7.88	80	2.5	57.6°	6
3.0	9.45	56	3.0	57.6°	4

Distance [m] Cone diameter [m] Illuminance [lx] $E(0')$ $E(C0)$ Angle [°]

C0 - C180 (Half beam angle: 115.2°)



Distance [m]	Cone diameter [m]	Illuminance [lx]	$E(0')$	$E(C0)$	Angle [°]
0.5	1.54	168	0.5	57.0°	15
1.0	3.08	41	1.0	57.0°	3
1.5	4.62	18	1.5	57.0°	1
2.0	6.16	10	2.0	57.0°	1
2.5	7.70	7	2.5	57.0°	1
3.0	9.24	5	3.0	57.0°	0

Distance [m] Cone diameter [m] Illuminance [lx] $E(0')$ $E(C0)$ Angle [°]

C0 - C180 (Half beam angle: 114.0°)

TECHNICAL DRAWINGS

