

Expospot 90 cardan square

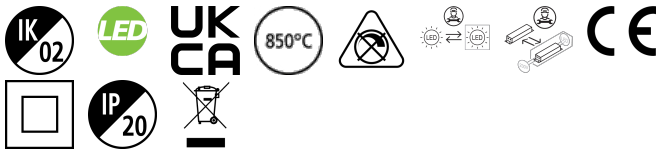
EXPOSPOT 90 DUO HO RA90 3000K WB WHITE

2070098



Product features

- Integrated LED double gimbal accent downlight, duo head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 56°, optics: aluminium reflector and lens combination, colour temperature: 3000K warm white, total system power: 73W, total fixture output: 2x3293lm, 90lm/W, LOR: 100%, colour rendering: Ra 90 typical, LED Chromacity: 3 step MacAdam ellipse, IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, electronic driver, non-dimmable, electrical protection: CLASS II, ingress protection rating: IP20, suitable for internal environment only, ceiling cut-out: 148x292mm, dimensions: 163x307x104mm, weight: 2.1kg.



PRODUCT OVERVIEW

Product name	EXPOSPOT 90 DUO HO RA90 3000K WB WHITE
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Hospitality, Museums & Galleries, Retail
ETIM Class	EC001744
Warranty	5 years
Fixture luminous flux (lm)	2 x 3293
Luminaire efficacy (lm/W)	90
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	56
Photobiological Risk Group	RG1
Total power consumption (W)	73
Electrical protection	Class II
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	No
Dimming method	N/A
Housing colour	White
IP rating	IP20
IK rating	IK02
Product EAN number	5025768700981

DATA TABLE

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General data

Product name	EXPOSPOT 90 DUO HO RA90 3000K WB WHITE
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Hospitality, Museums & Galleries, Retail
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2 x 3293
Luminaire efficacy (lm/W)	90
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	56
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	73
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.94
Electrical protection	Class II
Control gear required	No
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	No
Dimming method	N/A
Drive current (mA)	900
Inrush Current (A)	38.8
Inrush Duration (µs)	250
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	10
Max. products per 13A C Breaker	14
Max. products per 16A C Breaker	17
Max. products per 20A C Breaker	22
Max. products per 10A B Breaker	6
Max. products per 13A B Breaker	8
Max. products per 16A B Breaker	10

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Max. products per 20A B Breaker 13

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	100000
Lifespan L90 B10	54500

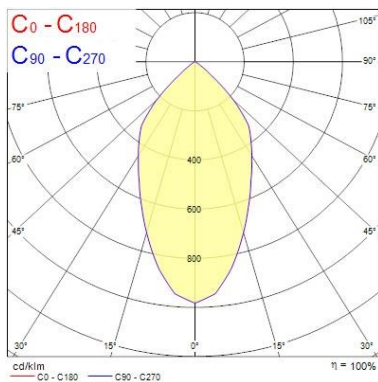
Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Length (mm)	307
Nominal Product Width (mm)	163
Nominal Product Height (mm)	104
Cutout Dimensions (W x L in mm or Diameter in mm)	148x292
Weight (kg)	2.1
Recessed Depth (mm)	104

Packaging

Single packaging type	Carton
Product EAN number	5025768700981
Packaging single length / height (cm)	50.0
Packaging single width (cm)	30.0
Packaging single depth (cm)	20.0
DUN14 (outer)	05025768700981
Units per outer package	1
Packaging outer length / height (cm)	50.0
Packaging outer width (cm)	30.0
Packaging outer depth (cm)	20.0

PHOTOMETRY



Distance [m]	Cone diameter [m]	E [0°] E (C0)	Illuminance [lx]
0.5	0.53	23.0°	12945 449
1.0	1.06	23.0°	3236 1115
1.5	1.60	23.0°	1438 496
2.0	2.13	23.0°	809 279
2.5	2.66	23.0°	515 178
3.0	3.19	23.0°	360 124

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 56.0°)

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TECHNICAL DRAWINGS

