

Expospot 90 cardan square

EXPOSPOT 90 TRIO HO RA90 4000K NB WHITE

2070108



Product features

- Integrated LED triple gimbal accent downlight, trio head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 26°, optics: aluminium reflector and lens combination, colour temperature: 4000K neutral white, total system power: 107W, total fixture output: 3x3570lm, 100lm/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: 148x422mm, dimensions: 163x437x104mm, weight: 2.75kg.



PRODUCT OVERVIEW

Product name	EXPOSPOT 90 TRIO HO RA90 4000K NB 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)	3 x 3570
Luminaire efficacy (lm/W)	100
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	26
Photobiological Risk Group	RG1
Total power consumption (W)	107
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	5025768701087

DATA TABLE

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General data

Product name	EXPOSPOT 90 TRIO HO RA90 4000K NB 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)	3 x 3570
Luminaire efficacy (lm/W)	100
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	26
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	107
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
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)	58.2
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	7
Max. products per 13A C Breaker	9
Max. products per 16A C Breaker	11
Max. products per 20A C Breaker	15
Max. products per 10A B Breaker	4
Max. products per 13A B Breaker	6
Max. products per 16A B Breaker	7

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Max. products per 20A B Breaker 9

Lifetime data

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

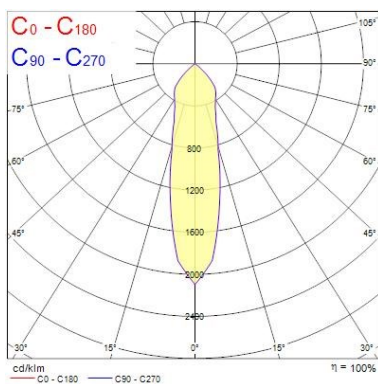
Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Length (mm)	437
Nominal Product Width (mm)	163
Nominal Product Height (mm)	104
Cutout Dimensions (W x L in mm or Diameter in mm)	148x422
Weight (kg)	2.75
Recessed Depth (mm)	104

Packaging

Single packaging type	Carton
Product EAN number	5025768701087
Packaging single length / height (cm)	50.0
Packaging single width (cm)	30.0
Packaging single depth (cm)	20.0
DUN14 (outer)	05025768701087
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 (CO)	Illuminance [lx]
0.5	0.23	12.9° 28942 13587	
1.0	0.46	12.9° 7488 3489	
1.5	0.69	12.9° 3327 1551	
2.0	0.92	12.9° 1871 872	
2.5	1.15	12.9° 1198 558	
3.0	1.37	12.9° 832 388	

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 25.8°)

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TECHNICAL DRAWINGS

