

Expospot 90 cardan square

EXPOSPOT 90 MONO HE RA90 4000K MB WHITE

2070051



Product features

- Integrated LED gimbal accent downlight, single head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 45°, optics: aluminium reflector and lens combination, colour temperature: 4000K neutral white, total system power: 28W, total fixture output: 2836lm, 101lm/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: 148x148mm, dimensions: 163x163x104mm, weight: 0.77kg.



PRODUCT OVERVIEW

Product name	EXPOSPOT 90 MONO HE RA90 4000K MB 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)	2836
Luminaire efficacy (lm/W)	101
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	45
Photobiological Risk Group	RG1
Total power consumption (W)	28
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	5025768700516

DATA TABLE

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General data

Product name	EXPOSPOT 90 MONO HE RA90 4000K MB WHITE
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Hospitality, Museums & Galleries, Retail
Operating temperature range (°C)	25°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2836
Luminaire efficacy (lm/W)	101
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	45
Distribution type	Adjustable
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	28
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.92
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
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)	700
Inrush Current (A)	19.4
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	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	35

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Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	21
Max. products per 20A B Breaker	27
Connectable conductor cross section - Min (mm ²)	0.5
Connectable conductor cross section - Max (mm ²)	1.5

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
Diffuser finish	Other
Diffuser material	Other
Reflector finish	Silver
Nominal Product Width (mm)	163
Nominal Product Height (mm)	104
Nominal Product Diameter (mm)	163
Cutout Dimensions (W x L in mm or Diameter in mm)	148
Weight (kg)	0.77
Recessed Depth (mm)	104

Packaging

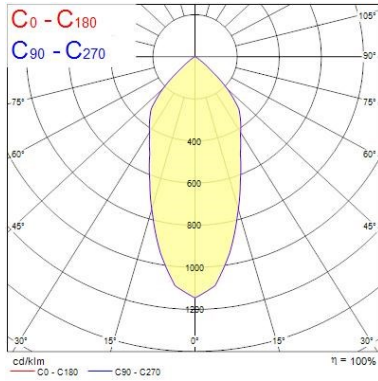
Single packaging type	Carton
Product EAN number	5025768700516
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	16.0
DUN14 (outer)	05025768700516
Units per outer package	1
Packaging outer length / height (cm)	18.0
Packaging outer width (cm)	18.0
Packaging outer depth (cm)	16.0

Safety data

Optimal operating condition (°C)	25-25
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PHOTOMETRY

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0.5	0.41	E(0°) E(C0)	22.3°	12996 5152
1.0	0.82	E(0°) E(C0)	22.3°	3249 1288
1.5	1.23	E(0°) E(C0)	22.3°	1444 572
2.0	1.64	E(0°) E(C0)	22.3°	812 322
2.5	2.05	E(0°) E(C0)	22.3°	520 206
3.0	2.46	E(0°) E(C0)	22.3°	381 152

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 44.6°)

TECHNICAL DRAWINGS

