

Expospot 90 adjustable

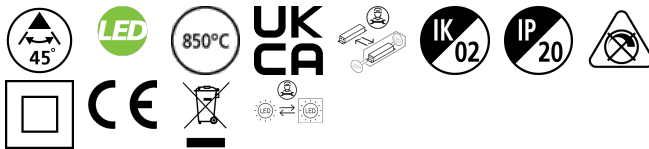
EXPOSPOT 90 ADJUSTABLE HE RA90 4000K MB WHITE

2070039



Product features

- Integrated LED adjustable 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: 140mm, dimensions: 150x104mm, weight: 0.77kg.



PRODUCT OVERVIEW

Product name	EXPOSPOT 90 ADJUSTABLE 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	5025768700394

DATA TABLE

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General data

Product name	EXPOSPOT 90 ADJUSTABLE 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)	-1°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
Luminous Intensity (cd)	1145
Beam Angle (°)	45
Distribution type	Symmetric
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	28
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
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

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Max. products per 16A C Breaker	35
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)	2.5

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	Matt/satinized
Diffuser material	PC Polycarbonate
Reflector finish	Silver
Nominal Product Width (mm)	150
Nominal Product Height (mm)	104
Nominal Product Diameter (mm)	150
Cutout Dimensions (W x L in mm or Diameter in mm)	140
Weight (kg)	0.77
Recessed Depth (mm)	104

Packaging

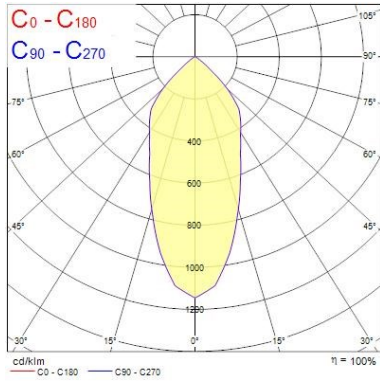
Single packaging type	Carton
Product EAN number	5025768700394
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	16.0
DUN14 (outer)	05025768700394
Units per outer package	1
Packaging outer length / height (cm)	18.0
Packaging outer width (cm)	18.0
Packaging outer depth (cm)	16.0

Safety data

Optimal operating condition (°C)	-1-25
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PHOTOMETRY

Expospot 90 adjustable EXPOSPOT 90 ADJUSTABLE HE RA90 4000K MB WHITE 2070039



0.5	0.41	E(0°) E(C0)	22.3°	1296 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°	361 142

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

TECHNICAL DRAWINGS

