

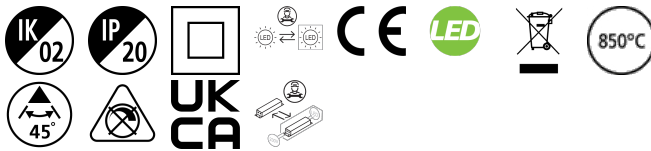
## Expospot 90 fixed

EXPOSPOT 90 FIXED HE RA90 4000K MB WHITE

2070033

### Product features

- Integrated LED fixed 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: 112mm, dimensions: 123x104mm, weight: 0.77kg.



### PRODUCT OVERVIEW

Product name	EXPOSPOT 90 FIXED 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	5025768700332

### DATA TABLE

## Expospot 90 fixed

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### General data

Product name	EXPOSPOT 90 FIXED 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
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
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
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
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

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Max. products per 20A B Breaker 27

### Lifetime data

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

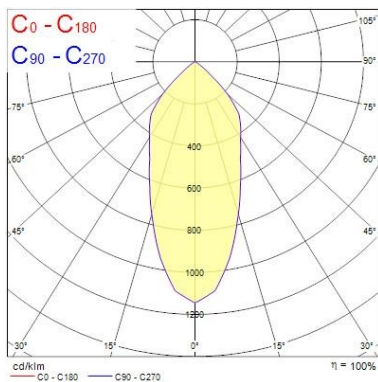
### Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Width (mm)	123
Nominal Product Height (mm)	104
Nominal Product Diameter (mm)	123
Cutout Dimensions (W x L in mm or Diameter in mm)	112
Weight (kg)	0.77
Recessed Depth (mm)	104

### Packaging

Single packaging type	Carton
Product EAN number	5025768700332
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	16.0
DUN14 (outer)	05025768700332
Units per outer package	1
Packaging outer length / height (cm)	18.0
Packaging outer width (cm)	18.0
Packaging outer depth (cm)	16.0

## PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0</sub> [lx]	E <sub>1</sub> [lx]	E <sub>2</sub> [lx]
0.5	0.41	1096	22.3°	5162
1.0	0.82	3249	22.3°	1288
1.5	1.23	1444	22.3°	572
2.0	1.64	812	22.3°	322
2.5	2.05	500	22.3°	206
3.0	2.46	361	22.3°	143

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

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### TECHNICAL DRAWINGS

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