

## Expospot 90 adjustable

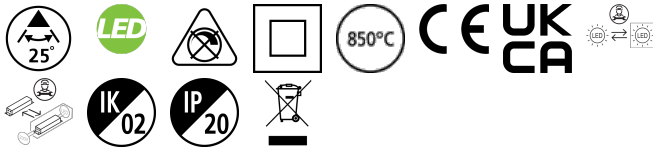
EXPOSPOT 90 ADJUSTABLE HE RA90 3000K NB WHITE

2070035



### Product features

- Integrated LED adjustable accent downlight, single head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 25°, optics: aluminium reflector and lens combination, colour temperature: 3000K warm white, total system power: 28W, total fixture output: 2536lm, 91lm/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 3000K NB WHITE
Technology	LED
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)	2536
Luminaire efficacy (lm/W)	91
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	25
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	5025768700356

### DATA TABLE

General data

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<b>Product name</b>	EXPOSPOT 90 ADJUSTABLE HE RA90 3000K NB WHITE
<b>Technology</b>	LED
<b>Housing</b>	Aluminium
<b>Mount</b>	Ceiling recessed mounting
<b>Fixture rating</b>	Enclosed
<b>General application</b>	Hospitality, Museums & Galleries, Retail
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC001744
<b>Warranty</b>	5 years

### Optical data

<b>Fixture luminous flux (lm)</b>	2536
<b>Luminaire efficacy (lm/W)</b>	91
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	3000
<b>Light colour</b>	Warm White
<b>CRI (Ra)</b>	90
<b>Colour Variation Initial (SDCM)</b>	SDCM3
<b>Beam Angle (°)</b>	25
<b>Photobiological Risk Group</b>	RG1

### Electrical data

<b>Total power consumption (W)</b>	28
<b>Mains voltage (V)</b>	230-240V
<b>Lamp power factor</b>	0.92
<b>Electrical protection</b>	Class II
<b>Control gear required</b>	No
<b>Control gear type</b>	Electronic ballast
<b>Control gear mounting</b>	Remote
<b>Transformer required</b>	No
<b>Dimmable</b>	No
<b>Dimming method</b>	N/A
<b>Drive current (mA)</b>	700
<b>Inrush Current (A)</b>	19.4
<b>Inrush Duration (µs)</b>	250
<b>Glow Wire Test (°C)</b>	850
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	E
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>Max. Luminaires per 10A C Breaker</b>	21
<b>Max. Luminaires per 13A C Breaker</b>	28
<b>Max. Luminaires per 16A C Breaker</b>	35
<b>Max. Luminaires per 20A C Breaker</b>	45
<b>Max. Luminaires per 10A B Breaker</b>	13
<b>Max. Luminaires per 13A B Breaker</b>	17
<b>Max. Luminaires per 16A B Breaker</b>	21
<b>Max. Luminaires per 20A B Breaker</b>	27

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### Lifetime data

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

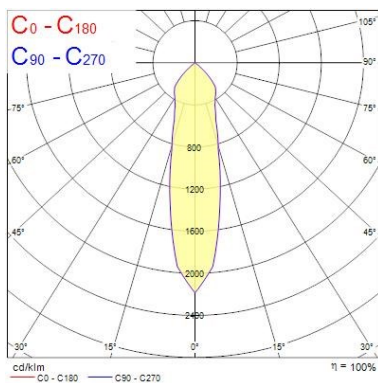
### Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Width (mm)	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	5025768700356
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	16.0
DUN14 (outer)	05025768700356
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>v</sub> (0°) [lx]	E <sub>v</sub> (CO) [lx]
0.5	0.22	20174	10330
1.0	0.45	5043	2583
1.5	0.67	2684	1368
2.0	0.89	1588	807
2.5	1.12	987	507
3.0	1.34	616	387

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 25.2°)

## TECHNICAL DRAWINGS

## Expospot 90 adjustable

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