

## Expospot 90 cardan square

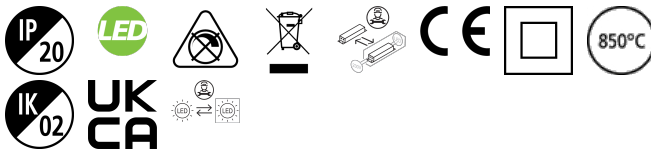
EXPOSPOT 90 DUO HO RA90 4000K NB WHITE

2070100



### Product features

- Integrated LED double gimbal accent downlight, duo 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: 73W, total fixture output: 2x3570lm, 98lm/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: 148x292mm, dimensions: 163x307x104mm, weight: 2.1kg.



### PRODUCT OVERVIEW

Product name	EXPOSPOT 90 DUO 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)	2 x 3570
Luminaire efficacy (lm/W)	98
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)	73
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	5025768701001

### DATA TABLE

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### General data

<b>Product name</b>	EXPOSPOT 90 DUO HO RA90 4000K NB WHITE
<b>Technology</b>	LED
<b>Cap/Base</b>	N/A
<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>	2 x 3570
<b>Luminaire efficacy (lm/W)</b>	98
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	4000
<b>Light colour</b>	Neutral White
<b>CRI (Ra)</b>	90
<b>Colour Variation Initial (SDCM)</b>	SDCM3
<b>Beam Angle (°)</b>	26
<b>Photobiological Risk Group</b>	RG1

### Electrical data

<b>Total power consumption (W)</b>	73
<b>Primary Supply/Product voltage - min (V)</b>	220
<b>Primary Supply/Product voltage - max (V)</b>	240
<b>Lamp power factor</b>	0.94
<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>Dimmable</b>	No
<b>Dimming method</b>	N/A
<b>Drive current (mA)</b>	900
<b>Inrush Current (A)</b>	38.8
<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. products per 10A C Breaker</b>	10
<b>Max. products per 13A C Breaker</b>	14
<b>Max. products per 16A C Breaker</b>	17
<b>Max. products per 20A C Breaker</b>	22
<b>Max. products per 10A B Breaker</b>	6
<b>Max. products per 13A B Breaker</b>	8
<b>Max. products per 16A B Breaker</b>	10

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Max. products per 20A B Breaker 13

### Lifetime data

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

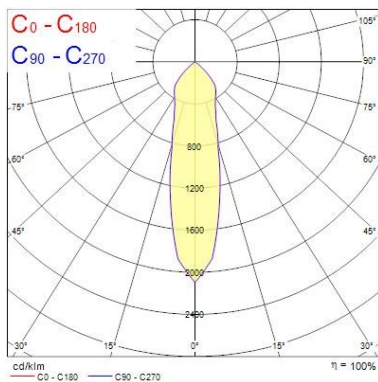
### Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Length (mm)	307
Nominal Product Width (mm)	163
Nominal Product Height (mm)	104
Cutout Dimensions (W x L in mm or Diameter in mm)	148x292
Weight (kg)	2.1
Recessed Depth (mm)	104

### Packaging

Single packaging type	Carton
Product EAN number	5025768701001
Packaging single length / height (cm)	50.0
Packaging single width (cm)	30.0
Packaging single depth (cm)	20.0
DUN14 (outer)	05025768701001
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: 25.9°)

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### TECHNICAL DRAWINGS

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