

Expospot 90 cardan square - Sylvania

EXPOSPOT 90 MONO HO RA90 4000K NB WHITE
0060384



Product features

- Integrated LED gimbal accent downlight, single 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: 35W, total fixture output: 3570lm, 102lm/W, LOR: 100%, colour rendering: Ra 90 typical, LED Chromacity: 3 step MacAdam ellipse, lifetime: 60,000 hours at 70% of the original output (L70B50), energy class: A++, A+, A, 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 HO RA90 4000K NB WHITE
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Indoor
General application	Retail
ETIM Class	EC001744
E-number FI	4275815
Warranty	5 years
Fixture luminous flux (lm)	3570
Luminaire efficacy (lm/W)	102
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)	35
Electrical protection	Class II
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	No
Housing colour	White
IP rating	IP20
IK rating	IK02
Product EAN number	5410288603841

DATA TABLE

General data

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Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Indoor
General application	Retail
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001744
E-number FI	4275815
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3570
Luminaire efficacy (lm/W)	102
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

Electrical data

Total power consumption (W)	35
Mains voltage (V)	230-240V~
Lamp power factor	0.95
Electrical protection	Class II
Control gear required	No
Control gear type	Electronic ballast
Control gear mounting	Remote
Dimmable	No
Drive current (mA)	900
Inrush Current (A)	19.4
Inrush Duration (µs)	250
Glow Wire Test (°C)	850
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 10A C Breaker	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 16A C Breaker	35
Max. Luminaires per 20A C Breaker	45
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 13A B Breaker	17
Max. Luminaires per 16A B Breaker	21
Max. Luminaires per 20A B Breaker	27

Lifetime data

Lifespan L70 B50	60000
Lifespan L70 B20	60000
Lifespan L70 B10	60000

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Lifespan L80 B50	60000
Lifespan L80 B20	60000
Lifespan L80 B10	60000
Lifespan L90 B50	60000
Lifespan L90 B20	60000
Lifespan L90 B10	55000

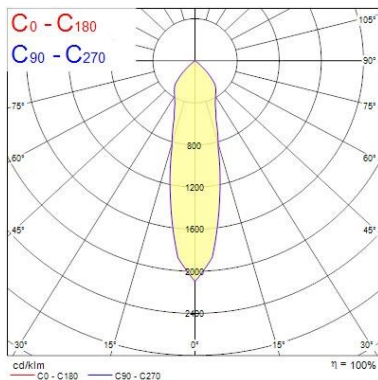
Physical data

Housing colour	White
IP rating	IP20
IK rating	IK02
Nominal Product Length (mm)	163
Nominal Product Width (mm)	163
Nominal Product Height (mm)	104
Cutout Dimensions (W x L in mm or Diameter in mm)	148x148
Weight (kg)	0.77
Recessed Depth (mm)	104

Packaging

Single packaging type	Carton
Product EAN number	5410288603841
Packaging single length / height (cm)	18.0
Packaging single width (cm)	18.0
Packaging single depth (cm)	16.0
DUN14 (outer)	05410288603841
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 ₀ [lx]	E ₁ [lx]
0.5	0.23	29942	13957
1.0	0.46	7486	3489
1.5	0.69	3327	1551
2.0	0.92	1571	672
2.5	1.15	1198	559
3.0	1.37	832	381

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 25.8°)

TECHNICAL DRAWINGS

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