

Expospot 70 adjustable

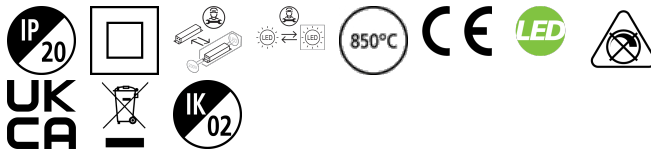
EXPOSPOT 70 ADJUSTABLE RA90 3000K WB WHITE

2070023



Product features

- Integrated LED adjustable accent downlight, single head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 53°, optics: aluminium reflector and lens combination, colour temperature: 3000K warm white, total system power: 21W, total fixture output: 1815lm, 86lm/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: 126mm, outer dimensions: 137x101mm, weight: 0.52kg.



PRODUCT OVERVIEW

| | |
|---------------------------------|--|
| Product name | EXPOSPOT 70 ADJUSTABLE RA90 3000K WB 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) | 1815 |
| Luminaire efficacy (lm/W) | 86 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 90 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 53 |
| Photobiological Risk Group | RG1 |
| Total power consumption (W) | 21 |
| 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 | 5025768700233 |

DATA TABLE

Expospot 70 adjustable

EXPOSPOT 70 ADJUSTABLE RA90 3000K WB WHITE
2070023

General data

| | |
|--|--|
| Product name | EXPOSPOT 70 ADJUSTABLE RA90 3000K WB 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) | 1815 |
| Luminaire efficacy (lm/W) | 86 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 90 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Luminous Intensity (cd) | 1371 |
| Beam Angle (°) | 53 |
| Distribution type | Symmetric |
| Photobiological Risk Group | RG1 |

Electrical data

| | |
|---|--------------------|
| Total power consumption (W) | 21 |
| Primary Supply/Product voltage - min (V) | 220.0 |
| Primary Supply/Product voltage - max (V) | 240.0 |
| Lamp power factor | 0.9 |
| 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) | 500 |
| Inrush Current (A) | 28 |
| Inrush Duration (µs) | 139 |
| 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 | 31 |
| Max. products per 13A C Breaker | 41 |

Expospot 70 adjustable

EXPOSPOT 70 ADJUSTABLE RA90 3000K WB WHITE

2070023

| | |
|--|-----|
| Max. products per 16A C Breaker | 51 |
| Max. products per 20A C Breaker | 70 |
| Max. products per 10A B Breaker | 19 |
| Max. products per 13A B Breaker | 25 |
| Max. products per 16A B Breaker | 31 |
| Max. products per 20A B Breaker | 42 |
| Connectable conductor cross section - Min (mm ²) | 0.5 |
| Connectable conductor cross section - Max (mm ²) | 1.5 |

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) | 137 |
| Nominal Product Height (mm) | 101 |
| Nominal Product Diameter (mm) | 137 |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 126 |
| Weight (kg) | 0.52 |
| Recessed Depth (mm) | 101 |

Packaging

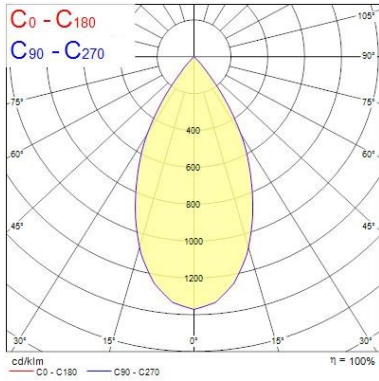
| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5025768700233 |
| Packaging single length / height (cm) | 18.0 |
| Packaging single width (cm) | 18.0 |
| Packaging single depth (cm) | 16.0 |
| DUN14 (outer) | 05025768700233 |
| 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 |
|----------------------------------|------|

PHOTOMETRY

Expospot 70 adjustable EXPOSPOT 70 ADJUSTABLE RA90 3000K WB WHITE 2070023



| | | | |
|-----|------|----------------|--------------|
| 0.5 | 0.49 | E(0°) E(C0) | 9955 3502 |
| 1.0 | 0.98 | E(0°) E(C0) | 2489 951 |
| 1.5 | 1.48 | E(0°) E(C0) | 1108 400 |
| 2.0 | 1.97 | E(0°) E(C0) | 622 235 |
| 2.5 | 2.46 | E(0°) E(C0) | 398 144 |
| 3.0 | 2.95 | E(0°) E(C0) | 277 100 |

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 52.4°)

TECHNICAL DRAWINGS

