

## Expospot 90 cardan square

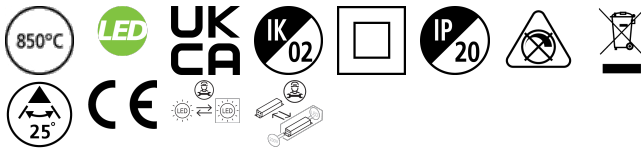
EXPOSPOT 90 TRIO HE RA90 3000K NB WHITE

2070059



### Product features

- Integrated LED triple gimbal accent downlight, trio 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: 77W, total fixture output: 3x2536lm, 99lm/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: 148x422mm, dimensions: 163x437x104mm, weight: 2.75kg.



### PRODUCT OVERVIEW

|                                 |  |
|---------------------------------|--|
| Product name                    | EXPOSPOT 90 TRIO HE RA90 3000K 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)      | 3 x 2536                                 |
| Luminaire efficacy (lm/W)       | 99                                       |
| 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)     | 77                                       |
| 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              | 5025768700592                            |

### DATA TABLE

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2070059

### General data

|  |  |
|--|--|
| <b>Product name</b>                            | EXPOSPOT 90 TRIO HE RA90 3000K 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>      | 3 x 2536   |
| <b>Luminaire efficacy (lm/W)</b>       | 99         |
| <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>                                 | 77                 |
| <b>Primary Supply/Product voltage - min (V)</b>                    | 220                |
| <b>Primary Supply/Product voltage - max (V)</b>                    | 240                |
| <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>Dimmable</b>  | No                 |
| <b>Dimming method</b>  | N/A                |
| <b>Drive current (mA)</b>  | 700                |
| <b>Inrush Current (A)</b>  | 58.2               |
| <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>                             | 7                  |
| <b>Max. products per 13A C Breaker</b>                             | 9                  |
| <b>Max. products per 16A C Breaker</b>                             | 11                 |
| <b>Max. products per 20A C Breaker</b>                             | 15                 |
| <b>Max. products per 10A B Breaker</b>                             | 4                  |
| <b>Max. products per 13A B Breaker</b>                             | 6                  |
| <b>Max. products per 16A B Breaker</b>                             | 7                  |

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2070059

Max. products per 20A B Breaker 9

### Lifetime data

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

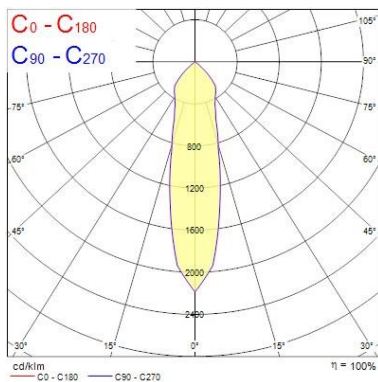
### Physical data

|   |         |
|---|---------|
| Housing colour                                    | White   |
| IP rating   | IP20    |
| IK rating   | IK02    |
| Nominal Product Length (mm)                       | 437     |
| Nominal Product Width (mm)                        | 163     |
| Nominal Product Height (mm)                       | 104     |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 148x422 |
| Weight (kg)                                       | 2.75    |
| Recessed Depth (mm)                               | 104     |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768700592  |
| Packaging single length / height (cm) | 50.0           |
| Packaging single width (cm)           | 30.0           |
| Packaging single depth (cm)           | 20.0           |
| DUN14 (outer)                         | 05025768700592 |
| 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°]<br>E [C0] | E [12.8°]<br>E [C270] |
|--------------|-------------------|------------------|-----------------------|
| 0.5          | 0.22              | 2074<br>10330    |                       |
| 1.0          | 0.45              | 518<br>2583      |                       |
| 1.5          | 0.67              | 286<br>1148      |                       |
| 2.0          | 0.89              | 156<br>648       |                       |
| 2.5          | 1.12              | 87<br>413        |                       |
| 3.0          | 1.34              | 61<br>287        |                       |

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

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### TECHNICAL DRAWINGS

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