# ExposPot 90 cardan

*EXPOSPOT 90 CARDAN HE RA90 3000K WB WHITE*

**0060323**



**Product features**

- Integrated LED gimbal accent downlight, single head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 58°, optics: aluminium reflector and lens combination, colour temperature: 3000K warm white, total system power: 28W, total fixture output: 2589lm, 92lm/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: 148mm, dimensions: 163x104mm, weight: 0.77kg.

## PRODUCT OVERVIEW

| | |
|---|---|
| **IPC Code** | 0060323 |
| **Product name** | EXPOSPOT 90 CARDAN HE RA90 3000K WB WHITE |
| **Technology** | LED |
| **Housing** | Aluminium |
| **Mount** | Recessed |
| **Fixture rating** | Enclosed |
| **Environment** | Internal |
| **General application** | Retail, |
| **Certifications** | EUNEW008 |
| **ETIM Class** | EC001744 |
| **E-number FI** | 4274796 |
| **Fixture luminous flux (lm)** | 2589 |
| **Luminaire efficacy (lm/W)** | 92 |
| **LOR (%)** | 100 |
| **Colour temperature (K)** | 3000 |
| **Light colour** | Warm White |
| **CRI (Ra)** | 90 |
| **Colour Variation Initial (SDCM)** | 3 |
| **Beam Angle (°)** | 58 |
| **Photobiological Risk Group** | RG1 |
| **Total power consumption (W)** | 28 |
| **Electrical protection** | Class II |
| **Control gear type** | Electronic |
| **Control gear mounting** | Remote |
| **Dimmable** | N |
| **Housing colour** | White |
| **IP rating** | IP20 |
| **IK rating** | IK02 |
| **Product EAN number** | 5410288603230 |
| **Lamps** | No |
| **Included lamp** | INTEGRATED LED |



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## DATA TABLE

### General data

| | |
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| **General application** | Retail, |
| **Certifications** | EUNEW008 |
| **ETIM Class** | EC001744 |
| **E-number FI** | 4274796 |

### Optical data

| | |
|---|---|
| **Fixture luminous flux (lm)** | 2589 |
| **Luminaire efficacy (lm/W)** | 92 |
| **LOR (%)** | 100 |
| **Colour temperature (K)** | 3000 |
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| **CRI (Ra)** | 90 |
| **Colour Variation Initial (SDCM)** | 3 |
| **Beam Angle (°)** | 58 |
| **Photobiological Risk Group** | RG1 |

### Electrical data

| | |
|---|---|
| **Total power consumption (W)** | 28 |
| **Mains voltage (V)** | 230-240V~ |
| **Lamp power factor** | 0.92 |
| **Electrical protection** | Class II |
| **Control gear required** | No |
| **Control gear type** | Electronic |
| **Control gear mounting** | Remote |
| **Dimmable** | N |
| **Drive current (mA)** | 700 |
| **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 |



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## Lifetime data

| | |
|---|---|
| **Lumen maintenance - L70 B50** | 60000 |
| **Lumen maintenance - L70 B20** | 60000 |
| **Lumen maintenance - L70 B10** | 60000 |
| **Lumen maintenance - L80 B50** | 60000 |
| **Lumen maintenance - L80 B20** | 60000 |
| **Lumen maintenance - L80 B10** | 60000 |
| **Lumen maintenance - L90 B50** | 60000 |
| **Lumen maintenance - L90 B20** | 60000 |
| **Lumen maintenance - L90 B10** | 55000 |

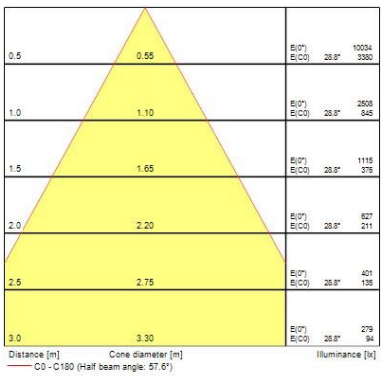
## Physical data

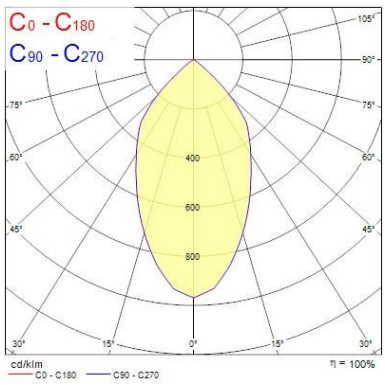
| | |
|---|---|
| **Housing colour** | White |
| **IP rating** | IP20 |
| **IK rating** | IK02 |
| **Reflector finish** | Metalised |
| **Nominal Product Width (mm)** | 163 |
| **Nominal Product Height (mm)** | 104 |
| **Weight (kg)** | 0.77 |
| **Recessed Depth (mm)** | 104 |

## Packaging

| | |
|---|---|
| **Single packaging type** | Carton |
| **Product EAN number** | 5410288603230 |
| **Packaging single length / height (cm)** | 18.0 |
| **Packaging single width (cm)** | 18.0 |
| **Packaging single depth (cm)** | 16.0 |
| **DUN14 (outer)** | 05410288603230 |
| **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





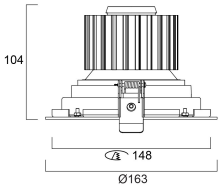

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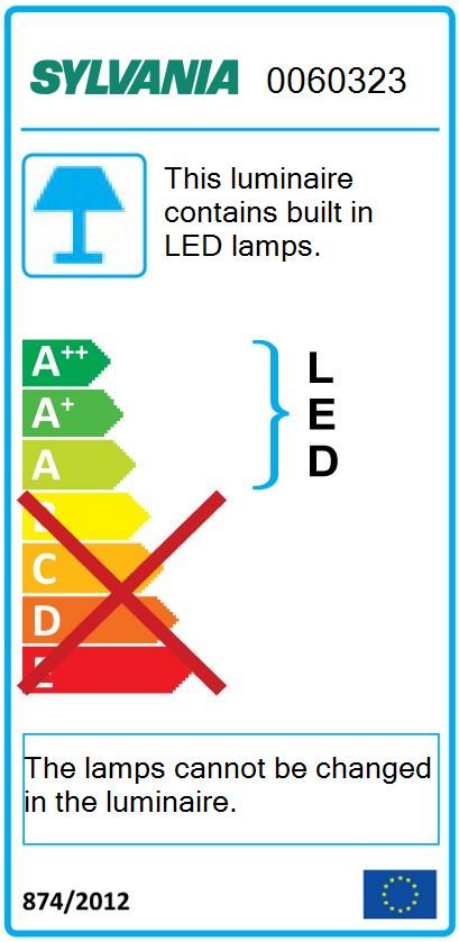
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## TECHNICAL DRAWINGS



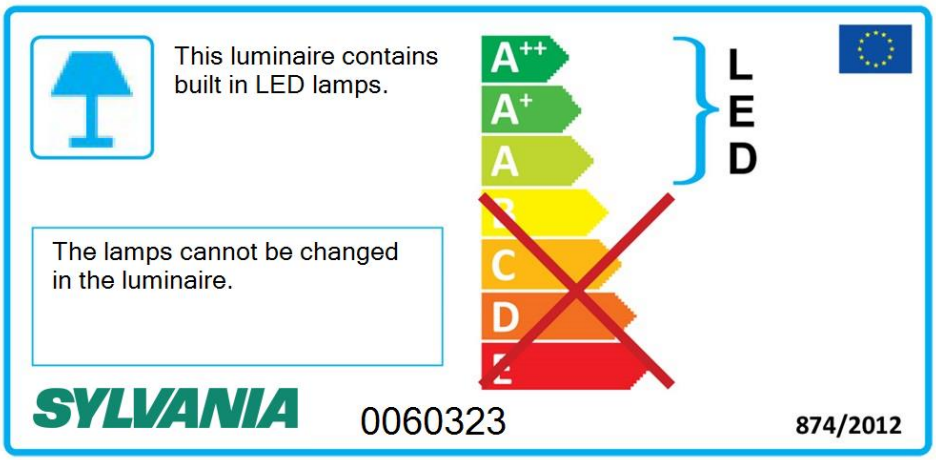



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