

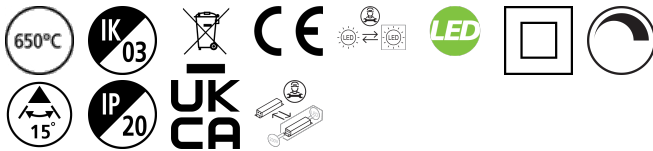
Ludospot 50 Modules

LUDOSPOT 50 950LM 930 NB DIM
0005301



Product features

- Integrated LED module 50mm, single head, ideal for retail and display applications, die-cast aluminium body, passive cooling, beam angle: 15°, optics: aluminium reflector and lens combination, colour temperature: 3000K warm white, total system power: 12W, total fixture output: 950lm, 80lm/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, phase-dimmable, electrical protection: CLASS II, ingress protection rating: IP20, suitable for internal environment only, outer dimensions: Ø50x73mm. Suitable to be mounted only on dedicated Ludospot 50 housings accessories.



PRODUCT OVERVIEW

| | |
|---------------------------------|--------------------------------|
| Product name | LUDOSPOT 50 950LM 930 NB DIM |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Aluminium |
| Mount | Other |
| Environment | Indoor |
| General application | Retail |
| ETIM Class | EC001744 |
| Warranty | 5 years |
| Fixture luminous flux (lm) | 950 |
| Luminaire efficacy (lm/W) | 80 |
| Colour temperature (K) | 3000 |
| Colour Code | 930 |
| Light colour | Warm White |
| CRI (Ra) | 90 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 15 |
| Photobiological Risk Group | RG1 |
| Total power consumption (W) | 12 |
| Electrical protection | Class II |
| Control gear type | LED driver constant current |
| Dimmable | Yes |
| Dimming method | Mains: leading / trailing edge |
| Minimum dimming level (%) | 10 |
| LED Flickering Rate | Medium (21% - 40%) |
| IP rating | IP20 |
| IK rating | IK03 |
| Product EAN number | 5410288053011 |

DATA TABLE

Ludospot 50 Modules

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General data

| | |
|---|------------------------------|
| Product name | LUDOSPOT 50 950LM 930 NB DIM |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Aluminium |
| Mount | Other |
| Environment | Indoor |
| General application | Retail |
| Operating temperature range (°C) | -20°C...+40°C |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC001744 |
| Warranty | 5 years |

Optical data

| | |
|---------------------------------|------------|
| Fixture luminous flux (lm) | 950 |
| Luminaire efficacy (lm/W) | 80 |
| Colour temperature (K) | 3000 |
| Colour Code | 930 |
| Light colour | Warm White |
| CRI (Ra) | 90 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 15 |
| Distribution type | Symmetric |
| Photobiological Risk Group | RG1 |

Electrical data

| | |
|--|--------------------------------|
| Total power consumption (W) | 12 |
| Mains voltage (V) | 220-240V |
| Lamp power factor | 0.9 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 25 |
| Electrical protection | Class II |
| Control gear type | LED driver constant current |
| Dimmable | Yes |
| Dimming method | Mains: leading / trailing edge |
| Minimum dimming level (%) | 10 |
| Drive current (mA) | 250 |
| Inrush Current (A) | 5 |
| Inrush Duration (µs) | 100 |
| Glow Wire Test (°C) | 650 |
| Energy Efficiency Class (A->G) of contained light source | E |
| Nominal Frequency (Hz) | 50/60Hz |
| LED Flickering Rate | Medium (21% - 40%) |
| Max. Luminaires per 10A C Breaker | 40 |
| Max. Luminaires per 13A C Breaker | 52 |
| Max. Luminaires per 16A C Breaker | 64 |
| Max. Luminaires per 20A C Breaker | 80 |
| Max. Luminaires per 16A B Breaker | 42 |

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Lifetime data

| | |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 98000 |
| Lifespan L90 B50 | 47000 |

Physical data

| | |
|-------------------------------|--------|
| IP rating | IP20 |
| IK rating | IK03 |
| Diffuser finish | Other |
| Diffuser material | None |
| Reflector finish | Silver |
| Nominal Product Height (mm) | 73 |
| Nominal Product Diameter (mm) | 50 |
| Weight (kg) | 0.31 |

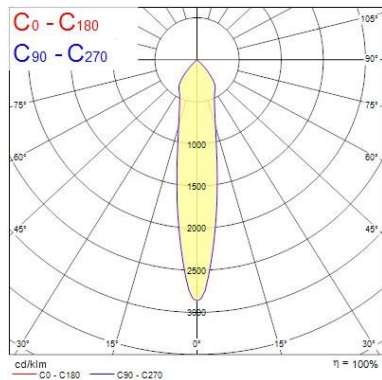
Packaging

| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5410288053011 |
| Packaging single length / height (cm) | 15.0 |
| Packaging single width (cm) | 9.5 |
| Packaging single depth (cm) | 6.0 |
| DUN14 (outer) | 15410288053018 |
| Units per outer package | 20 |
| Packaging outer length / height (cm) | 31.5 |
| Packaging outer width (cm) | 20.5 |
| Packaging outer depth (cm) | 32.5 |

Safety data

| | |
|----------------------------------|--------|
| Optimal operating condition (°C) | -20-40 |
|----------------------------------|--------|

PHOTOMETRY



| Distance [m] | Cone diameter [m] | E(0°) E(C0) | E(90°) E(C90) | Illuminance [lx] |
|--------------|-------------------|----------------|------------------|------------------|
| 0.5 | 0.17 | 10377 | 5233 | |
| 1.0 | 0.34 | 2719 | 1358 | |
| 1.5 | 0.51 | 1209 | 581 | |
| 2.0 | 0.68 | 680 | 327 | |
| 2.5 | 0.85 | 435 | 209 | |
| 3.0 | 1.01 | 302 | 148 | |

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 19.2°)

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TECHNICAL DRAWINGS

