

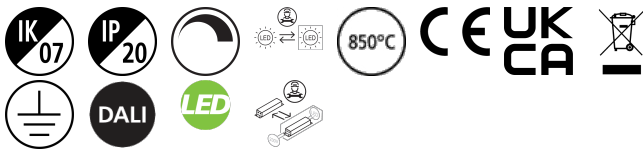
RANA Linear Recessed - Louvre+Prismatic Optic

RANA LINEAR R 3KLM NW LOUV+PRI D
0052353



Product features

- Ceiling recessed LED Linear luminaire with Louvre + Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, DALI Dimmable (Switch-Dim), Neutral White LED (4000K), 3250lm, 27W, 120lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/- 5%), UGR<19, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C, Can be covered with building insulation of Glass wool type



PRODUCT OVERVIEW

| | |
|-----------------------------|--|
| Product name | RANA LINEAR R 3KLM NW LOUV+PRI D |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting |
| Fixture rating | Enclosed |
| Environment | Internal |
| General application | Office, Hospitality, Retail, Education |
| ETIM Class | EC002892 |
| Warranty | 5 years |
| Fixture luminous flux (lm) | 3250 |
| Luminaire efficacy (lm/W) | 120.37 |
| LOR (%) | 100 |
| Colour temperature (K) | 4000 |
| Light colour | Neutral White |
| CRI (Ra) | 80 |
| Colour Consistency (SDCM) | 3 |
| Glare control | < 19 |
| Photobiological Risk Group | RG0 |
| Total power consumption (W) | 27 |
| Electrical protection | Class I |
| Control gear type | Electronic ballast |
| Dimmable | Yes |
| Dimming method | DALI |
| Minimum dimming level (%) | 1 |
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP20 |
| IK rating | IK07 |
| Product EAN number | 5410288523538 |

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DATA TABLE

General data

| | |
|---|--|
| Product name | RANA LINEAR R 3KLM NW LOUV+PRI D |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting |
| Fixture rating | Enclosed |
| Environment | Internal |
| General application | Office, Hospitality, Retail, Education |
| Operating temperature range (°C) | -25°C...+40°C |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC002892 |
| Warranty | 5 years |

Optical data

| | |
|----------------------------|---------------|
| Fixture luminous flux (lm) | 3250 |
| Luminaire efficacy (lm/W) | 120.37 |
| LOR (%) | 100 |
| Colour temperature (K) | 4000 |
| Light colour | Neutral White |
| CRI (Ra) | 80 |
| Colour Consistency (SDCM) | 3 |
| Glare control | < 19 |
| Photobiological Risk Group | RG0 |

Electrical data

| | |
|--|--------------------|
| Total power consumption (W) | 27 |
| Mains voltage (V) | 220-240V |
| Lamp power factor | 0.98 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 9 |
| Electrical protection | Class I |
| Control gear required | No |
| Control gear type | Electronic ballast |
| Transformer required | Yes |
| Dimmable | Yes |
| Dimming method | DALI |
| Minimum dimming level (%) | 1 |
| Drive current (mA) | 275 |
| Inrush Current (A) | 29 |
| Inrush Duration (µs) | 180 |
| Glow Wire Test (°C) | 850 |
| Energy Efficiency Class (A->G) of contained light source | C |
| Nominal Frequency (Hz) | 50/60Hz |
| Max. Luminaires per 10A C Breaker | 21 |

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| | |
|-----------------------------------|----|
| Max. Luminaires per 13A C Breaker | 28 |
| Max. Luminaires per 16A C Breaker | 36 |
| 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 | 22 |
| Max. Luminaires per 20A B Breaker | 27 |

Lifetime data

| | |
|------------------|-------|
| Lifespan L70 B50 | 72000 |
| Lifespan L70 B10 | 72000 |
| Lifespan L80 B50 | 72000 |
| Lifespan L80 B10 | 72000 |
| Lifespan L90 B50 | 72000 |
| Lifespan L90 B20 | 50000 |
| Lifespan L90 B10 | 46000 |

Physical data

| | |
|---|----------------------------------|
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP20 |
| IK rating | IK07 |
| Diffuser finish | Prismatic |
| Diffuser material | PC Polycarbonate |
| Reflector finish | Matt |
| Nominal Product Length (mm) | 1150 |
| Nominal Product Width (mm) | 90 |
| Nominal Product Height (mm) | 91 |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 72 |
| Weight (kg) | 3.15 |
| Recessed Depth (mm) | 90 |

Packaging

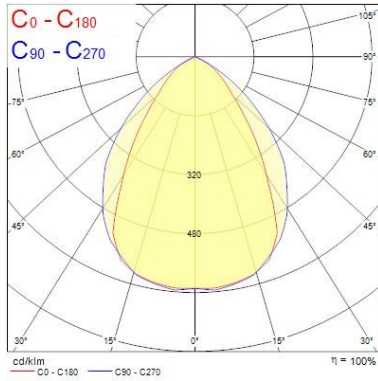
| | |
|---------------------------------------|---------------|
| Single packaging type | Carton |
| Product EAN number | 5410288523538 |
| Packaging single length / height (cm) | 117.0 |
| Packaging single width (cm) | 10.5 |
| Packaging single depth (cm) | 11.5 |
| DUN14 (outer) | 5410288523538 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 117.0 |
| Packaging outer width (cm) | 10.5 |
| Packaging outer depth (cm) | 11.5 |

Safety data

| | |
|----------------------------------|--------|
| Optimal operating condition (°C) | -25-40 |
|----------------------------------|--------|

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PHOTOMETRY



| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|----------------|----------------|------------------|
| 0.5 | 0.95 0.68 | E(0°) | 43.8° | 5189 | |
| | | E(C90) | 34.1° | 1571 | |
| | | E(C0) | 34.1° | 2332 | |
| 1.0 | 1.90 1.35 | E(0°) | 43.8° | 2042 | |
| | | E(C90) | 34.1° | 390 | |
| | | E(C0) | 34.1° | 582 | |
| 1.5 | 2.86 2.03 | E(0°) | 43.8° | 908 | |
| | | E(C90) | 34.1° | 173 | |
| | | E(C0) | 34.1° | 259 | |
| 2.0 | 3.81 2.71 | E(0°) | 43.8° | 511 | |
| | | E(C90) | 34.1° | 98 | |
| | | E(C0) | 34.1° | 146 | |
| 2.5 | 4.76 3.39 | E(0°) | 43.8° | 327 | |
| | | E(C90) | 34.1° | 63 | |
| | | E(C0) | 34.1° | 95 | |
| 3.0 | 5.71 4.06 | E(0°) | 43.8° | 227 | |
| | | E(C90) | 34.1° | 44 | |
| | | E(C0) | 34.1° | 66 | |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 68.2°)
 — C90 - C270 (Half beam angle: 87.2°)

TECHNICAL DRAWINGS

