

RANA Linear Surface&Suspended - MicroPrismatic Optic

RANA LINEAR S 3KLM WW MPO
0051253



Product features

- Surface or Suspended LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, Warm White LED (3000K), 3030lm, 31W, 98lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<21, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C



PRODUCT OVERVIEW

| | |
|-----------------------------|--|
| Product name | RANA LINEAR S 3KLM WW MPO |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling surface mounting, Suspended |
| Environment | Internal |
| General application | Office, Hospitality, Retail, Education |
| ETIM Class | EC002892 |
| E-number SE | 7502667 |
| Warranty | 5 years |
| Fixture luminous flux (lm) | 3030 |
| Luminaire efficacy (lm/W) | 97.74 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 80 |
| Colour Consistency (SDCM) | 3 |
| Glare control | < 21 |
| Photobiological Risk Group | RG0 |
| Total power consumption (W) | 31 |
| Electrical protection | Class I |
| Control gear type | Electronic ballast |
| Dimmable | No |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP20 |
| IK rating | IK07 |
| Product EAN number | 5410288512532 |

DATA TABLE

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General data

| | |
|---|--|
| Product name | RANA LINEAR S 3KLM WW MPO |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling surface mounting, Suspended |
| Environment | Internal |
| General application | Office, Hospitality, Retail, Education |
| Operating temperature range (°C) | -20°C - 40°C |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC002892 |
| E-number SE | 7502667 |
| Warranty | 5 years |

Optical data

| | |
|----------------------------|------------|
| Fixture luminous flux (lm) | 3030 |
| Luminaire efficacy (lm/W) | 97.74 |
| LOR (%) | 100 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 80 |
| Colour Consistency (SDCM) | 3 |
| Adjustable chromaticity | N |
| Glare control | < 21 |
| Photobiological Risk Group | RG0 |

Electrical data

| | |
|--|------------------------|
| Total power consumption (W) | 31 |
| Mains voltage (V) | 220-240V~ |
| Lamp power factor | 0.95 |
| Electrical protection | Class I |
| Control gear type | Electronic ballast |
| Transformer required | Yes |
| Dimmable | No |
| Drive current (mA) | 300 |
| Inrush Current (A) | 15 |
| Inrush Duration (µs) | 250 |
| Glow Wire Test (°C) | 850 |
| Energy Efficiency Class (A->G) of contained light source | C |
| Nominal Frequency (Hz) | 50/60Hz |
| LED Flickering Rate | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker | 40 |
| Max. Luminaires per 13A C Breaker | 51 |
| Max. Luminaires per 16A C Breaker | 63 |
| Max. Luminaires per 20A C Breaker | 80 |
| Max. Luminaires per 10A B Breaker | 24 |
| Max. Luminaires per 13A B Breaker | 31 |
| Max. Luminaires per 16A B Breaker | 38 |

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Max. Luminaires per 20A B Breaker 48

Lifetime data

| | |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L70 B20 | 60000 |
| Lifespan L70 B10 | 60000 |
| Lifespan L80 B50 | 60000 |
| Lifespan L80 B20 | 60000 |
| Lifespan L80 B10 | 60000 |
| Lifespan L90 B50 | 60000 |
| Lifespan L90 B20 | 60000 |
| Lifespan L90 B10 | 60000 |

Physical data

| | |
|-----------------------------|----------------------------------|
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP20 |
| IK rating | IK07 |
| Diffuser finish | Prismatic |
| Diffuser material | PC Polycarbonate |
| Nominal Product Length (mm) | 1150 |
| Nominal Product Width (mm) | 87 |
| Nominal Product Height (mm) | 87 |
| Weight (kg) | 2.85 |

Packaging

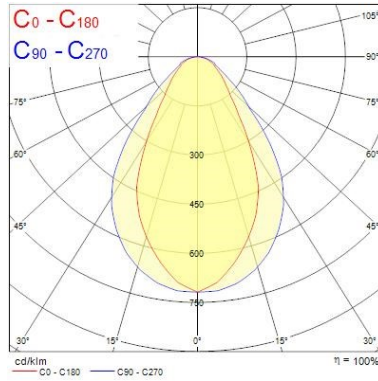
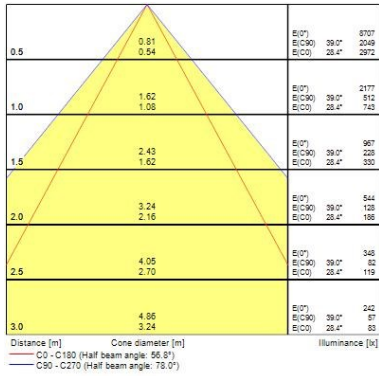
| | |
|---------------------------------------|---------------|
| Single packaging type | Carton |
| Product EAN number | 5410288512532 |
| Packaging single length / height (cm) | 116.5 |
| Packaging single width (cm) | 10.5 |
| Packaging single depth (cm) | 10.0 |
| DUN14 (outer) | 5410288512532 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 116.5 |
| Packaging outer width (cm) | 10.0 |
| Packaging outer depth (cm) | 10.0 |

Safety data

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

PHOTOMETRY

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TECHNICAL DRAWINGS

