

Features

- GRADEO S 1500 830/835/840 is a modular high efficacy low glare surface and suspended LED Linear luminaire developed for education and seminar room environments. Optical solution: Micro Prismatic diffuser combined with lenses to provide homogeneous and high efficient light. Minimalist, robust body design, luminaire dimensions: 1580x205x53mm, white powder coated steel body (RAL9016) and plastic end caps. IP40, IK06 rating. 3-steps dip switch driver (250/300/350mA drive current) with integrated CCT switch options (3000/3500/4000K). CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency. 23-32W system power, 3100-4600lm luminous flux, up to 144lm/W system efficacy with 4000K CCT option in case of direct distribution, UGR<19 glare level. 3300-4900lm luminous flux, up to 152lm/W system efficacy with 4000K CCT option in case of direct/ indirect light distribution with Gradeo indirect modules, 80/20% D/I ratio. Luminance at 65° < 3000 cd/m², lifespan: 100,000 hours L80B50, photobiological safety risk group 1. Electrical protection Class I.

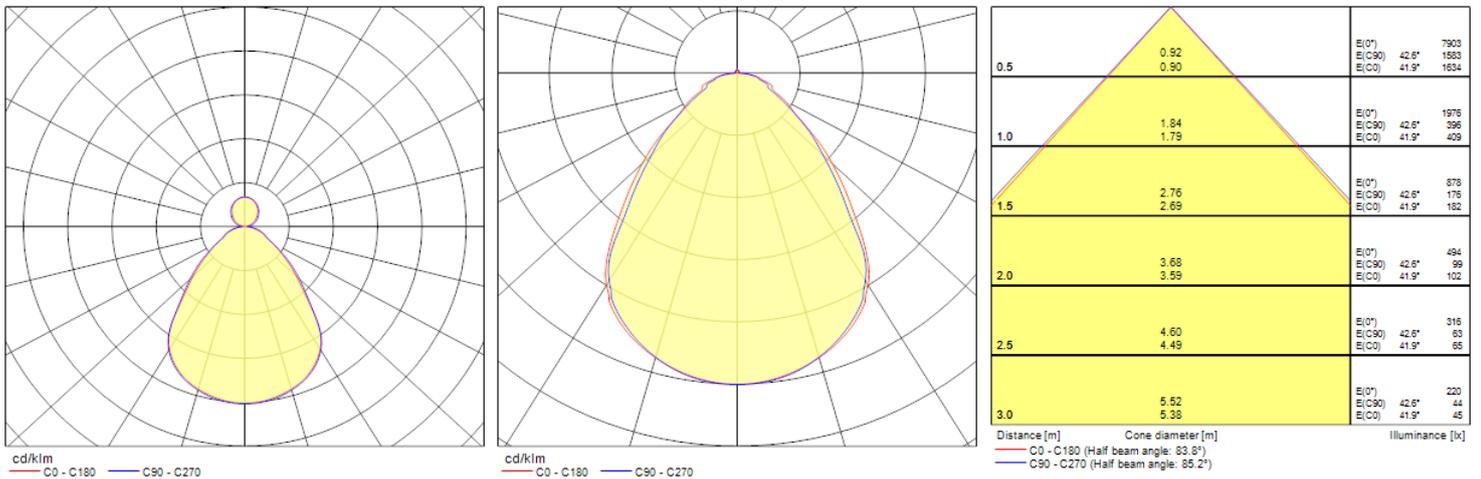
Product Overview

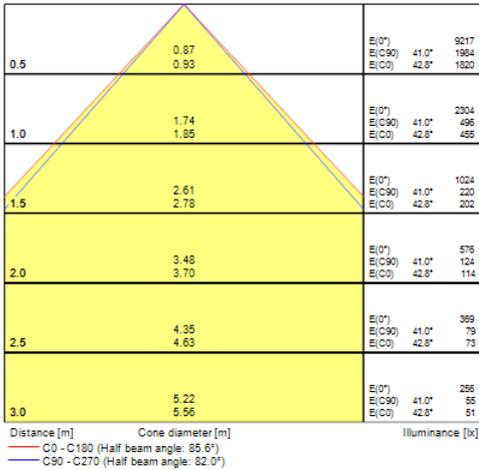
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|-----------------------------------|-------------------------------------|
| Product name | GRADEO S 1500 830/835/840 |
| Technology | LED (3 SDCM) |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling surface mounting, Suspended |
| General application | Education, Office |
| ETIM Class | EC002892 |
| E-number FI | 4279685 |
| Fixture luminous flux (lm) | 4600 |

GRADEO S 1500 830/835/840 0042742

| | |
|---------------------------------|-----------------------------|
| Luminaire efficacy (lm/W) | 144 |
| Light colour | Warm White or Neutral White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | 3 |
| Beam Angle (°) | 85 |
| Glare control | < 19 |
| Photobiological Risk Group | RG1 |
| Total power consumption (W) | 32 |
| Electrical protection | Class I |
| Control gear type | LED driver constant current |
| Dimmable | No |
| Housing colour | RAL9016 |
| IP rating | IP40 |
| IK rating | IK07 |
| Product EAN number | 5410288427423 |
| Warranty | 5 years |
| Dimming method | N/A |

Photometry





Data table

GENERAL DATA

| | |
|----------------------------------|-------------------------------------|
| Product name | GRADEO S 1500 830/835/840 |
| Technology | LED (3 SDCM) |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling surface mounting, Suspended |
| General application | Education, Office |
| Operating temperature range (°C) | 5°C...+45°C |
| ETIM Class | EC002892 |
| E-number FI | 4279685 |
| Warranty | 5 years |

OPTICAL DATA

| | |
|---------------------------------|-----------------------------|
| Fixture luminous flux (lm) | 4600 |
| Luminaire efficacy (lm/W) | 144 |
| Light colour | Warm White or Neutral White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | 3 |
| Beam Angle (°) | 85 |
| Distribution type | Symmetric |

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| | |
|----------------------------|------|
| Glare control | < 19 |
| Photobiological Risk Group | RG1 |

ELECTRICAL DATA

| | |
|--|-----------------------------|
| Total power consumption (W) | 32 |
| Primary Supply/Product voltage - min (V) | 220.0 |
| Primary Supply/Product voltage - max (V) | 240.0 |
| Lamp power factor | 0.91 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 15 |
| Electrical protection | Class I |
| Control gear required | No |
| Control gear type | LED driver constant current |
| Dimmable | No |
| Dimming method | N/A |
| Inrush Current (A) | 32 |
| Inrush Duration (µs) | 190 |
| Energy Efficiency Class (A->G) of contained light source | C |
| Nominal Frequency (Hz) | 50/60Hz |
| Max. products per 10A C Breaker | 21 |
| Max. products per 16A C Breaker | 35 |
| Max. products per 16A B Breaker | 21 |
| Connectable conductor cross section - Max (mm ²) | 2.5 |

LIFETIME DATA

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|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 100000 |
| Lifespan L90 B50 | 51000 |

PHYSICAL DATA

| | |
|----------------|---------|
| Housing colour | RAL9016 |
| IP rating | IP40 |

GRADEO S 1500 830/835/840 0042742

| | |
|------------------------------------|------------------|
| IK rating | IK07 |
| Diffuser finish | Prismatic |
| Diffuser material | PC Polycarbonate |
| Nominal Product Length (mm) | 1580 |
| Nominal Product Width (mm) | 205 |
| Nominal Product Height (mm) | 53 |
| Weight (kg) | 5.882 |

PACKAGING

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|--|----------------|
| Product EAN number | 5410288427423 |
| Packaging single length / height (cm) | 161.0 |
| Packaging single width (cm) | 8.5 |
| Packaging single depth (cm) | 23.5 |
| DUN14 (inner) | 05410288427423 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 161.0 |
| Packaging outer width (cm) | 8.5 |
| Packaging outer depth (cm) | 23.5 |

SAFETY DATA

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|--|------|
| Glow Wire Test (°C) | 650 |
| Optimal operating condition (°C) | 5-45 |
| Special purpose lamp | No |
| Dry applications use only | No |
| Suitable for household illumination | No |