

### Features

- GRADEO S 1200 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: 1280x205x53mm, white powder coated steel body (RAL9016) and plastic end caps. IP40, IK06 rating. 3-steps dip switch driver (200/250/300mA drive current) with integrated CCT switch options (3000/3500/4000K). CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency. 19-27W system power, 2500-3900lm luminous flux, up to 144lm/W system efficacy with 4000K CCT option in case of direct distribution, UGR<19 glare level. 2600-4000lm luminous flux, up to 148lm/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/m<sup>2</sup>, lifespan: 100,000 hours L80B50, photobiological safety risk group 1. Electrical protection Class I.

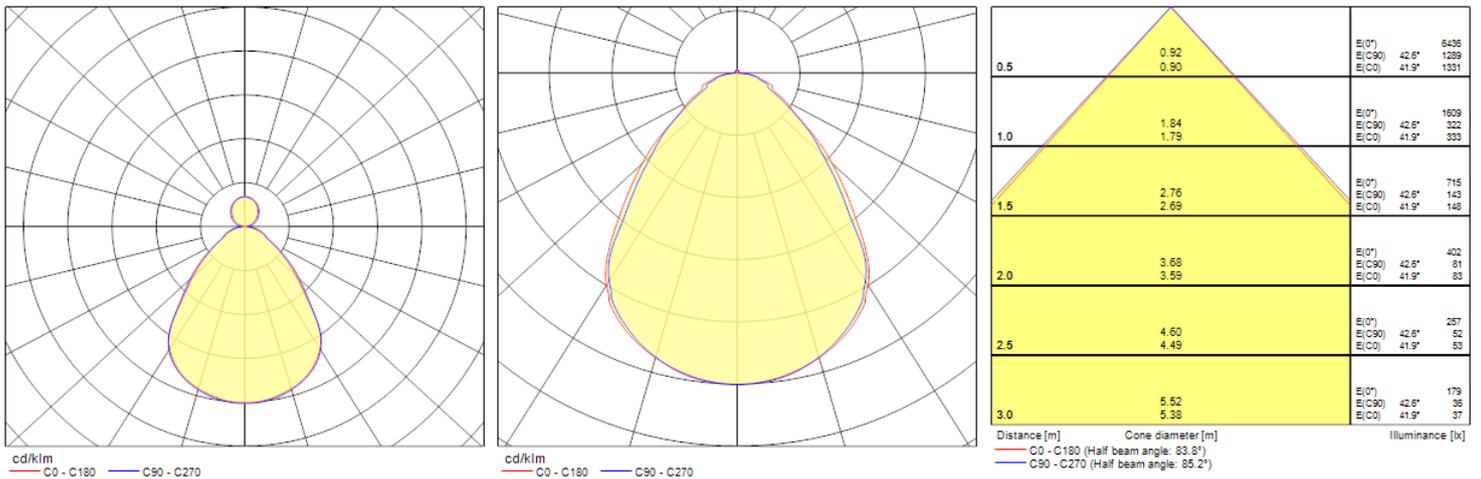
### Product Overview

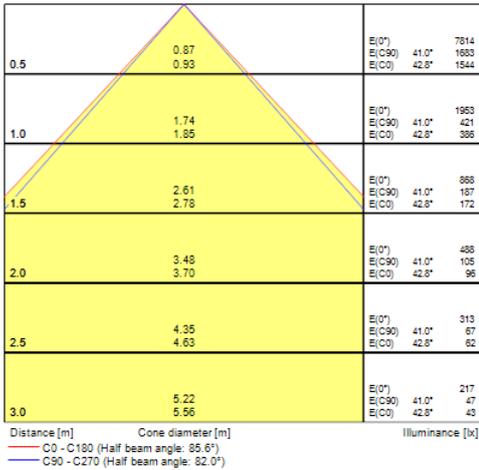
<b>Product name</b>	GRADEO S 1200 830/835/840
<b>Technology</b>	LED (3 SDCM)
<b>Cap/Base</b>	N/A
<b>Housing</b>	Steel
<b>Mount</b>	Ceiling surface mounting, Suspended
<b>General application</b>	Education, Office
<b>ETIM Class</b>	EC002892
<b>E-number FI</b>	4279681
<b>Fixture luminous flux (lm)</b>	3900

## GRADEO S 1200 830/835/840 0042740

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)	27
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	5410288427409
Warranty	5 years
Dimming method	N/A

### Photometry





### Data table

#### GENERAL DATA

Product name	GRADEO S 1200 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	4279681
Warranty	5 years

#### OPTICAL DATA

Fixture luminous flux (lm)	3900
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

## GRADEO S 1200 830/835/840 0042740

Glare control	< 19
Photobiological Risk Group	RG1

### ELECTRICAL DATA

Total power consumption (W)	27
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) $\leq$ 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 ( $\mu$ s)	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 <sup>2</sup> )	2.5

### LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B50	100000
Lifespan L90 B50	51000

### PHYSICAL DATA

Housing colour	RAL9016
IP rating	IP40

## GRADEO S 1200 830/835/840 0042740

<b>IK rating</b>	IK07
<b>Diffuser finish</b>	Prismatic
<b>Diffuser material</b>	PC Polycarbonate
<b>Nominal Product Length (mm)</b>	1280
<b>Nominal Product Width (mm)</b>	205
<b>Nominal Product Height (mm)</b>	53
<b>Weight (kg)</b>	4.84

### PACKAGING

<b>Product EAN number</b>	5410288427409
<b>Packaging single length / height (cm)</b>	131.0
<b>Packaging single width (cm)</b>	8.5
<b>Packaging single depth (cm)</b>	23.5
<b>DUN14 (inner)</b>	05410288427409
<b>Units per outer package</b>	1
<b>Packaging outer length / height (cm)</b>	131.0
<b>Packaging outer width (cm)</b>	8.5
<b>Packaging outer depth (cm)</b>	23.5

### SAFETY DATA

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