

Features

- GRADEO S 1200 830/835/840 DALI 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. DALI-2 driver with integrated CCT switch options (3000/3500/4000K). CRI>80, SDCM 3 (3-step MacAdam ellipse) LED Colour Consistency. 27W system power, 3600-3900lm luminous flux, up to 144lm/W system efficacy with 4000K CCT option in case of direct distribution, UGR<19 glare level. 3800-4000lm 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/m², lifespan: 100,000 hours L80B50, photobiological safety risk group 1. Electrical protection Class I.

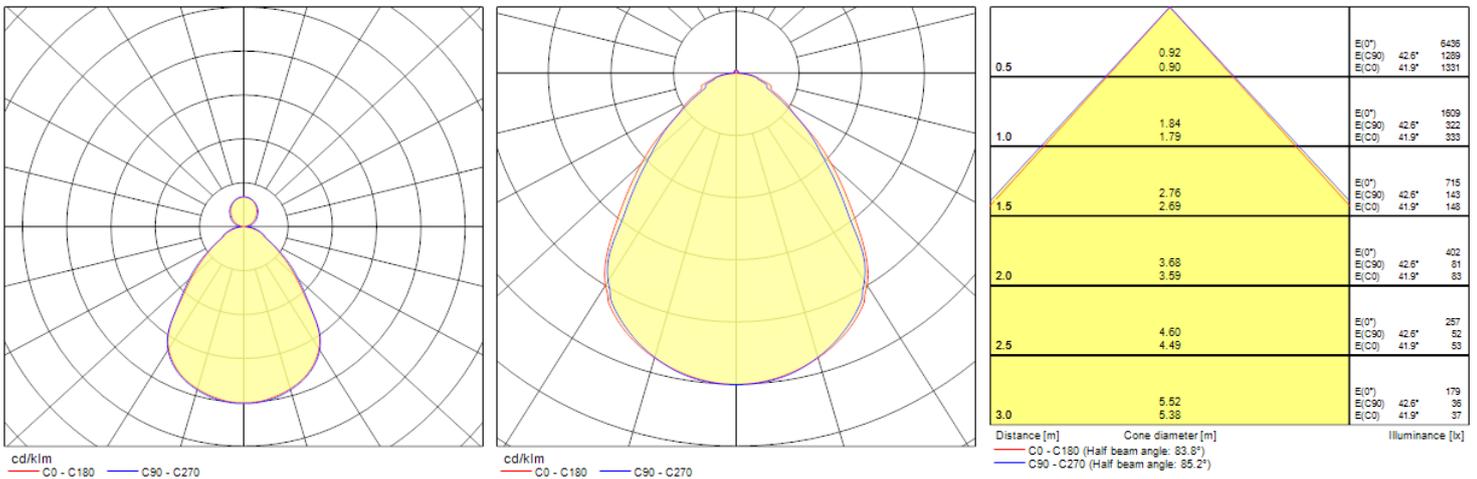
Product Overview

Product name	GRADEO S 1200 830/835/840 DALI
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	4279683
Fixture luminous flux (lm)	3900
Luminaire efficacy (lm/W)	144

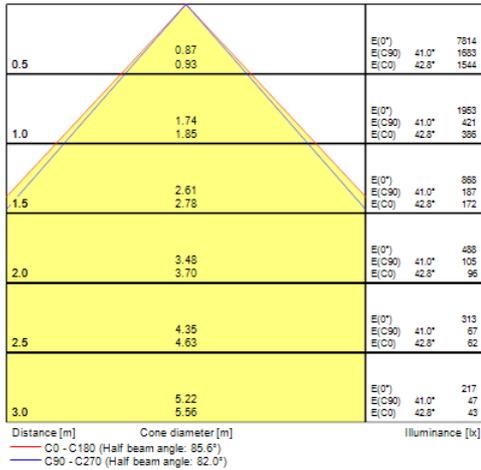
GRADEO S 1200 830/835/840 DALI 0042741

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	Yes
Housing colour	RAL9016
IP rating	IP40
IK rating	IK07
Product EAN number	5410288427416
Warranty	5 years
Dimming method	DALI-2

Photometry



GRADEO S 1200 830/835/840 DALI 0042741



Data table

GENERAL DATA

Product name	GRADEO S 1200 830/835/840 DALI
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	4279683
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 DALI 0042741

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	0.97
THD (at 230 V, 50 Hz, full load, at 100% dimming level) \leq xx.x %	7
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
Inrush Current (A)	24
Inrush Duration (μ s)	190
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	46
Max. products per 16A C Breaker	63
Max. products per 16A B Breaker	43
Connectable conductor cross section - Max (mm ²)	2.5

LIFETIME DATA

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

PHYSICAL DATA

Housing colour	RAL9016
IP rating	IP40

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IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1280
Nominal Product Width (mm)	205
Nominal Product Height (mm)	53
Weight (kg)	4.911

PACKAGING

Product EAN number	5410288427416
Packaging single length / height (cm)	131.0
Packaging single width (cm)	8.5
Packaging single depth (cm)	23.5
DUN14 (inner)	05410288427416
Units per outer package	1
Packaging outer length / height (cm)	131.0
Packaging outer width (cm)	8.5
Packaging outer depth (cm)	23.5

SAFETY DATA

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