

GRADEO S 1200 830/835/840

Code article 0042740

SYLVANIA

PROTM



GRADEO S 1200 830/835/840 is a modular highly efficient, low glare surface and suspended LED linear luminaire developed for education and seminar room environments. Standalone luminaire. Micro Prismatic diffuser optical solution combined with UGR filem and 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/m2, lifespan: 100,000 hours L80B50, photobiological safety risk group 1. Electrical protection Class I.

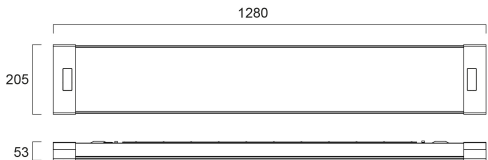
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Atouts techniques

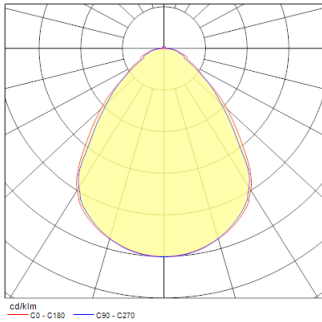
Dimensions (mm)



Photométrie

Distance [m]	Cone diameter [m]	Illuminance [lx]	Beam angle [°]
0.5	0.87 0.93	817 817	41.2° 42.8°
1.0	1.74 1.85	408 408	41.2° 42.8°
1.5	2.61 2.78	272 272	41.2° 42.8°
2.0	3.48 3.70	206 196	41.2° 42.8°
2.5	4.35 4.63	165 153	41.2° 42.8°
3.0	5.22 5.56	137 127	41.2° 42.8°

Distance [m] Cone diameter [m] Illuminance [lx]
— C0 - C180 (half beam angle: 66.6°)
— C90 - C270 (half beam angle: 52.0°)



Données générales

Nom du produit	GRADEO S 1200 830/835/840
Technologie	LED
Cap/Base	N/A
Housing	Steel
Montage	Ceiling surface mounting, Suspended
Built in presence detector	NONE
General application	Office, Education
Operating temperature range (°C)	5°C...+45°C
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Numéro virtuel FI	4279681
Warranty	5 ans

Données optiques

Fixture luminous flux (lm)	3900
Luminaire efficacy (lm/W)	144
Couleur de lumière	Warm White or Neutral White
IRC (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	280

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Caractéristiques électriques

Emergency mode	Non-maintained
Emergency type	
Emergency duration (h)	3
Consommation électrique totale (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) ≤ xx.x %	15
Electrical protection	Class I
Control gear required	No
Type d'appareillage	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Courant d'appel (A)	32
Inrush Duration (µs)	190
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
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 - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	2.5

Durée de vie

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

Données physiques

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP40
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Finition réflecteur	Not Applicable
Longueur (mm)	1280
Largeur (mm)	205
Nominal Product Height (mm)	53
Poids (kg)	4.84

Emballage

Product EAN number	5410288427409
Longueur simple de l'emballage (cm)	131.0
Largeur simple de l'emballage (cm)	8.5
Packaging single depth (cm)	23.5
DUN14 (inner)	05410288427409
Units per outer package	1
Packaging outer length / height (cm)	131.0
Packaging outer width (cm)	8.5
Packaging outer depth (cm)	23.5

Sécurité

Glow Wire Test (°C)	650
Condition de fonctionnement optimal (° C)	5-45