

Quantum 625X625 4700lm 840 DALI

Item No: 0048123

SYLVANIA

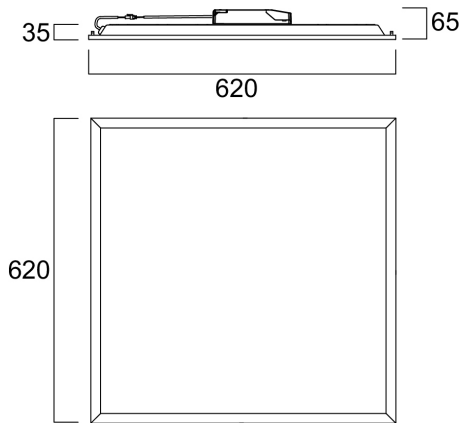
PROTM



Quantum is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. Max. drive current: 600mA; Max. power: 26W; Lifespan: 100.000Hrs L80:B50; 4000K; CRI 80; Efficacy up to: 181Lm/W; Fixture lumen: 4700lm; Glare control <19; IK03; IP54 (from the front); Class II; DALI dimmable. Tp(a) rated diffuser that self-extinguishes within 5 sec when a flame has been removed. Lumen output in Emergency mode: 550lm.

Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]		Illuminance [lx]
		C90	C170	
0.5	0.59 0.88	50° E1C30 E1C30	9396 1099 1666	
1.0	1.17 1.76	50° E1C30 E1C30	2349 425 687	
1.5	2.35 2.64	50° E1C30 E1C30	1044 189 271	
2.0	3.54 3.53	50° E1C30 E1C30	587 106 154	
2.5	4.93 4.41	50° E1C30 E1C30	376 68 79	
3.0	5.92 5.29	50° E1C30 E1C30	281 47 55	

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General data

Product name	Quantum 625X625 4700lm 840 DALI
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Built in presence detector	NONE
General application	Office
Operating temperature range (°C)	5°C...+25°C
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	4700
Luminaire efficacy (lm/W)	181
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Emergency type	
Total power consumption (W)	26
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	15.0
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
Drive current (mA)	600
Inrush Current (A)	5.6
Inrush Duration (µs)	50
Energy Efficiency Class (A->G) of contained light source	A
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	37
Max. products per 13A C Breaker	48
Max. products per 16A C Breaker	59
Max. products per 20A C Breaker	74
Max. products per 10A B Breaker	37
Max. products per 13A B Breaker	48
Max. products per 16A B Breaker	59
Max. products per 20A B Breaker	74
Connectable conductor cross section - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	2.5

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Lifetime data

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	100000
Lifespan L80 B20	95000
Lifespan L80 B10	89000
Lifespan L90 B50	52000
Lifespan L90 B20	47000
Lifespan L90 B10	44000

Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP54/20
IK rating	IK03
Diffuser finish	Prismatic
Diffuser material	PS Polystyrene
Nominal Product Length (mm)	620
Nominal Product Width (mm)	620
Nominal Product Height (mm)	35
Weight (kg)	2.2

Packaging

Product EAN number	5410288481234
Packaging single length / height (cm)	69.3
Packaging single width (cm)	3.5
Packaging single depth (cm)	62.5
DUN14 (inner)	15410288481231
Units per outer package	4
Packaging outer length / height (cm)	71.3
Packaging outer width (cm)	16.8
Packaging outer depth (cm)	65.3

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	5-25