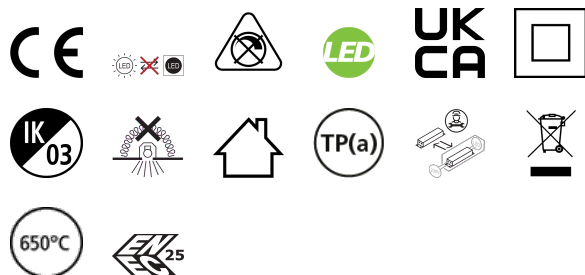# Quantum IP54 600x600 Multipower 4500lm 940
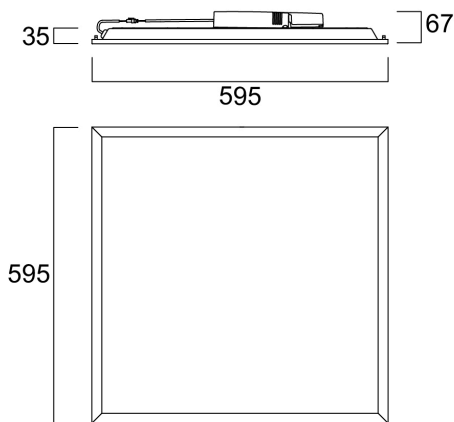
Item No: 0044648

SYLVANIA

PRO™

Quantum is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. With the help of DIP Switch multiple lumen outputs can be set up in 4 steps (29W 3700lm, 31W 4000lm, 33W 4300lm, 35W 4500lm). Lumen output using EM kit: ~500lm. Max. drive current: 700mA; Lifespan: 120.000Hrs L70:B50; 4000K; CRI 90; Efficacy up to: 130Lm/W; Glare control <19; IK03; IP54 (from the front); Class II; Tp(a) rated diffuser that self-estinguishes within 5 sec when a flame has been removed.
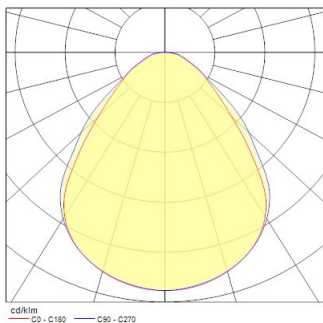
Technical Assets

Dimensions (mm)

35
67
595
595

Photometrics

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.02 / 0.91	E(0°) / E(C90) 45.6° / E(C0) 42.3°	7628 / 1312 / 1544
1.0	2.04 / 1.82	E(0°) / E(C90) 45.6° / E(C0) 42.3°	1907 / 328 / 386
1.5	3.06 / 2.73	E(0°) / E(C90) 45.6° / E(C0) 42.3°	848 / 146 / 172
2.0	4.08 / 3.64	E(0°) / E(C90) 45.6° / E(C0) 42.3°	477 / 82 / 97
2.5	5.11 / 4.55	E(0°) / E(C90) 45.6° / E(C0) 42.3°	305 / 52 / 62
3.0	6.13 / 5.46	E(0°) / E(C90) 45.6° / E(C0) 42.3°	212 / 36 / 43

C0 - C180 (Half beam angle: 84.6°)
C90 - C270 (Half beam angle: 91.2°)

cd/klm
C0 - C180   C90 - C270

Quantum IP54 600x600 Multipower 4500lm 940

Item No: 0044648

SYLVANIA

General data

Product name	Quantum IP54 600x600 Multipower 4500lm 940
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Built in presence detector	NONE
General application	Office, Education
Operating temperature range (°C)	-20°C...+40°C
Virtual assistant compatibility	N/A
ETIM Class	EC002892
E-number FI	4279441
Warranty	5 years

Optical data

Fixture luminous flux (lm)	4500
Luminaire efficacy (lm/W)	129
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	35
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 %	20.0
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	700
Inrush Current (A)	11.9
Inrush Duration (µs)	390
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	18
Max. products per 16A C Breaker	29
Max. products per 16A B Breaker	17
Connectable conductor cross section - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	2.5

Lifetime data

Lifespan L70 B50	120000
Lifespan L70 B20	120000
Lifespan L70 B10	120000
Lifespan L80 B50	105000
Lifespan L80 B20	95000
Lifespan L80 B10	85000
Lifespan L90 B50	51000
Lifespan L90 B20	47000
Lifespan L90 B10	44000

Quantum IP54 600x600 Multipower 4500lm 940

Item No: 0044648

Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP54/20
IK rating	IK03
Diffuser finish	Diffuse
Diffuser material	PS Polystyrene
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	35
Weight (kg)	2.11

Packaging

Product EAN number	5410288446486
Packaging single length / height (cm)	64.3
Packaging single width (cm)	3.5
Packaging single depth (cm)	59.8
DUN14 (inner)	15410288446483
Units per outer package	4
Packaging outer length / height (cm)	66.3
Packaging outer width (cm)	16.2
Packaging outer depth (cm)	62.8

Safety data

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-20-40