ROBUS®

ATMOS IP20 LED PANEL LIGHT

This great quality, high specification range of panels deliver excellent performance providing substantial energy savings for fast ROI. They replace traditional T8 and T5 lay-in modular's to provide energy efficient, but perhaps more importantly, low-maintenance solutions where constant replacement of fluorescent tubes can be avoided.

Applications:

- Offices
- Hospitals & Health Centres
- Shops
- Hotels
- Schools & Colleges
- Receptions
- Inspection areas

Construction:

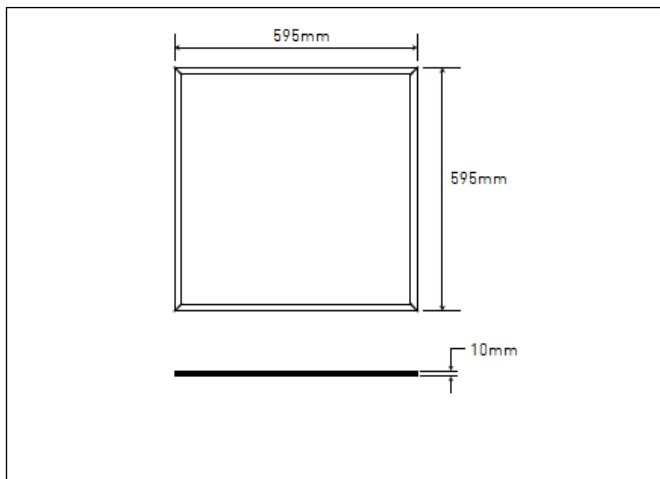White powder coated frame
Fire rated TP$_b$ diffuser
Steel back plate

Features:	Benefits:
Extended range of physical sizes available	Sizes for most grid ceiling layouts and dimensions
Slim, clean, stylish lines with white powder coated aluminium trim	Looks attractive, less likely to harbour germs or dirt, easy clean Matches most ceiling tile & grid T-bar colours
Warm, Neutral or Cool White colour temperature options	Provides choice of light colour specific to the use of the lit space
Only high-quality SMD LED's with certified LM80 LED data are used in the luminaires for: • High luminous flux with low lumen depreciation • Low power consumption • High efficacy • Long life	This provides: • Tremendous light output package for a 1 for 1 replacement of fluorescent, with consistent light output, CCT and CRI over life • Complies with current and foreseeable EU efficacy requirements • ≈50% energy saving compared to T8 to reduce the carbon footprint & running costs with fast ROI • Long rated LED life with virtually no maintenance costs
Universal DALI, Analogue 1-10V, SwitchDim driver accessory 3-hour emergency pack option	Automatic daylight harvesting or manual dimming options can be achieved for enhanced energy savings or functional control Provides emergency lighting for safe traverse of exit routes
Fire rated TPb diffuser	Meets Part B Building Regulations to inhibit the spread of fire across a ceiling Allows maximum light transmission
Solid state technology • No heat filaments, electrodes or seals No cool down or warm up time	Rugged – will not fail through vibration or hot to cold temperature changes for huge maintenance cost savings Can be used in conjunction with presence detectors to provide "instant on" or off for additional energy savings Short-time switching is not detrimental to LED life as it is with traditional light sources
Low flicker advanced driver architecture design	Reduced eye discomfort which often cause headaches or drowsiness for susceptible people
Choice of suspension, recessed or surface mount accessories	Provides options for solid or apex type ceiling installations

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ATMOS IP20 LED PANEL LIGHT

Product Code:	RAM40306060-01	RAM40406060-01	RAM40506060-01	RAM40403012-01	RAM60406012-01*
Comparable to:	4x18W	4x18W	4x18W	2x36W	4x36W
Total Power (W):	38.7	40.1	39.2	40.8	59.9
Total Light Output (lm):	3,200	3,600	3,580	3,380	5,220
Emergency Mode Light Output (lm):	300	300	310	300	450
Efficacy (lm / cctW):	83	90	91	83	87
Rated Life (hrs):	50,000	50,000	50,000	50,000	50,000
Warranty (yrs):	5	5	5	5	5
Illuminance at 1m (lux):	810	1,200	1,250	1,100	1,800
Emergency Mode Illuminance at 1m(lx):	30	30	31	30	45
Beam Angle (deg):	110	110	110	110	110
CCT (K):	3,000	4,000	5,000	4,000	4,000
CRI (Ra):	80	80	80	80	80
Ingress Protection (IP):	20	20	20	20	20
Impact Rating (IK):	IK05	IK05	IK05	IK05	IK05
Operating Temperature (°C):	−20 ≤ Ta ≤ +40	−20 ≤ Ta ≤ +40	−20 ≤ Ta ≤ +40	−20 ≤ Ta ≤ +40	−20 ≤ Ta ≤ +40
Power Factor (PF):	0.97	0.97	0.97	0.97	0.97
Length (mm):	595	595	595	1,195	1,195
Width (mm):	595	595	595	295	595
Depth (mm):	10	10	10	10	10
Box Qty:	1	1	1	1	1
Weight (kg):	3.3	3.3	3.3	3.3	7.0

Accessories:

R3EMPK-PSU	PLUG AND PLAY EMERGENCY PACK
HED2040-D	DALI, 1-10V, SWITCHDIM DRIVER
	*Not suitable for RAM60406012-01
R6060SMKFB-01	600x600MM SURFACE MOUNT BOX
R60120SMKFB-01	1200x600MM SURFACE MOUNT BOX
R1230SMKFB-01	1200x300MM SURFACE MOUNT BOX
RAMSUS-3W	3 WIRE SUSPENSION KIT FOR 1200x300MM
RAMSUS-4W	4 WIRE SUSPENSION KIT FOR 600x600MM
RAMSUS-6W	6 WIRE SUSPENSION KIT FOR 1200x600MM
RAMSST	SAFETY BRACKET AND 2M STRAP
RAMRC	PLASTER BOARD RECESSED CLIPS KIT

Standards & Approvals:

Complies with: EN 60598-2-1, EN 60598-2-2, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547, EN 62471, EN 62493, EN 62384
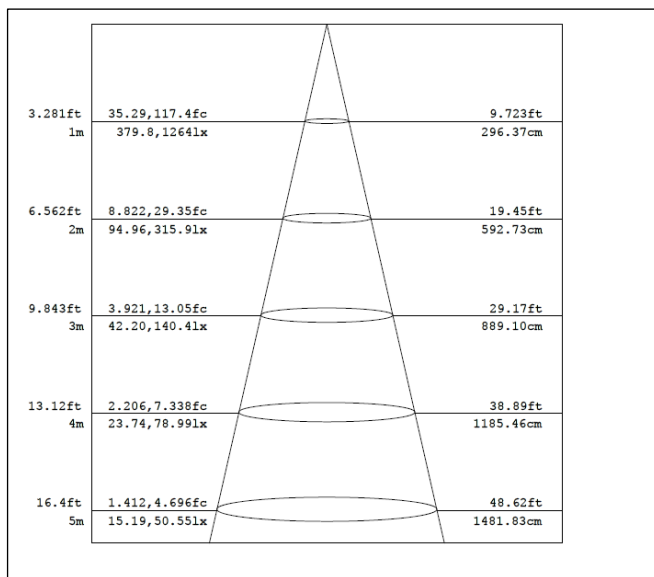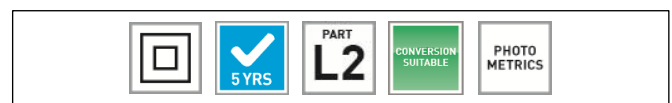

Cone Illuminance Diagram:

Diagram for RAM40506060-01 in 5,000K. Other diagrams available on request

Polar Intensity Diagram:

Diagram for RAM40506060-01 in 5,000K. Other diagrams available on request