

SURFACE FITTINGS

RETROFIT SMD LED RETRO-FIT TRAY FOR SURFACE FITTINGS



Options	Order Code Matrix	
	10W	15W
+ Emergency	R100LEDRETE	R150LEDRETE
+ Sensor (12m – slave to 100W total Load)	R100LEDRETS	R150LEDRETS
+ Emergency & Sensor	R100LEDRETES	R150LEDRETS
+ Dual Power	R100LEDRETD	R150LEDRETD
+ Sensor & Dual Power	R100LEDRETDSEN	R150LEDRETDSEN
+ Emergency & Sensor & Dual Power	R100LEDRETDSEN	R150LEDRETDSEN

Codes:	Standard:	R100LEDRET	R150LEDRET
See Order code matrix for other options			
Comparable to 2D:		28W	38W
Light output L₁₀₀ (lm):		1050	1610
Light output in emergency (lm):		220	310
Illuminance @ 1m (lx):		300	550
Beam Angle (deg):		120	120
Colour Temp L₁₀₀ (k):		4,000	4,000
CRI L₁₀₀ (Ra):		80	80
Power Consumed (W):		10	15.9
Efficacy (lm/cctW):		105	101
Power Factor:		0.9	0.9
LED Rated Life (hrs):		50,000	50,000
Operating Ambient Temperature (°C):		-20<Ta<+35	-20<Ta<+35
Box Qty:		1	1
Weight (Kg):		0.54	0.54
Warranty (Yrs):		5	5
Note: Fitting and diffuser type will have an effect on the Photometric Parameters			

These LED gear trays are designed to retro-fit many traditional 28W and 38W 2D bulkheads. They will provide huge energy savings, eradicate inconvenient lamp changes completely to make the installation safer and return very fast payback on initial investment.

Even greater lamp and maintenance cost savings can be achieved where automatic switching by sensors is employed which reduces traditional lamp life considerably. This great retrofit solution is ideal for applications in:

- Retail Shops
- Public Buildings
- Stairwells
- Sports centres
- Walkways
- Corridors
- Communal areas

FEATURES

- Universal retrofit mounting design
- Standard, emergency, microwave sensor or Dual Power options available with a choice of 4 selectable background light levels
- Utilises high quality surface mount LED technology for:
 - Exceptional light output with low lumen depreciation and colour shift
 - Low power consumption
 - Long life
 - High efficacy
- Colour temperature of 4000k with high CRI
- Solid state technology
- No Ultra Violet or Infra-Red

BENEFITS

- Tray will fit many existing 2D fittings
- No redecoration required where existing fitting is removed
- Reduced initial cost as only the gear tray is being replaced
- LED tray can replace existing "piecemeal" or on "as and when failed" basis providing lower initial costs
- Emergency and integral control choices reduces install time & cost
- Instant light for safety and working environment with option of 10, 20, 30, 50 & 100% background light levels to suit application
- Gives users confidence as they are not walking into dark areas
- Reduces power consumption and energy costs by up to 80% whilst in background light level mode
- Compared to 2D compact fluorescent:
 - Comparable light output to 28/38W so is a one for one replacement
 - Light output and colour is consistent over life
 - Energy savings of almost 65% providing paybacks of <12 months
 - No maintenance cost for replacement lamps over LED rated life
- Phenomenal efficiency providing compliance with current & foreseeable Part L1 & L2 Building Regulations efficiency legislation
- Provides clear visibility and is ideal for security lighting
- Rugged – No heat filaments or electrodes to prematurely fail through vibration or temperature variations
- Can be switched by microwave, time lag switch, time clock, PIR and/or photocell to provide enhanced energy savings
- Not detrimental to LED life as it is with CFL
- Run cool with less air conditioning required for a more comfortable environment
- Excessive heat generated by CFL is often the cause of premature failure with replacements often required after 2,000 hours

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