

ENERGY SAVINGS

Open Area 24m x 24m

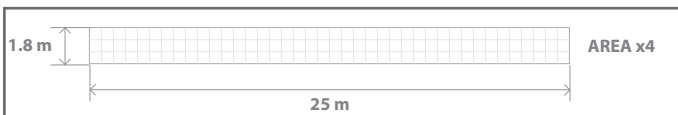


We have calculated the energy savings of our open area fittings and corridor based fittings below. Each Lumitron fitting is compared to a compact fluorescent equivalent. Annual energy consumption is based on 12 hr daily usage, 260 days a year (*a working year*). We have used a unit rate of 12.92p per KWH (British Gas, 2014) for our calculations.

FITTING COMPARISON 24m x 24m OPEN AREA

FITTING	No. OF FITTINGS (required to meet 450 lux)	TOTAL LOAD (KWH)	UNIT RATE (pence per KWH)	ANNUAL CONSUMPTION (KWH)	ENERGY COST (per year)	SAVING (by choosing the lumitron fitting)
Designerlite LED SE	100	3.65	12.92	11388	£1,471.33	
4 x 18W T8 switch Start (Equivalent)	100	9.60	12.92	29952	£3,869.80	£2,398.47
RET DECO 4100 MPK	100	3.50	12.92	10920	£1,410.86	
4 x 18W T8 switch Start (Equivalent)	100	9.60	12.92	29952	£3,869.80	£2,458.93
Silentium LED	90	4.10	12.92	12792	£1,652.73	
1 x 58W T8 switch start (Equivalent)	100	7.00	12.92	21840	£2,821.73	£1,169.00
SL263 LED 5130 version	56	2.53	12.92	7894	£1,019.85	
SL263 2 x 58W T8 (Equivalent)	56	7.17	12.92	22364	£2,889.45	£1,869.60
RET 3B MPK	100	3.00	12.92	9344	£1,207.30	
4 x 18W T8 switch Start (Equivalent)	100	9.60	12.92	29952	£3,869.80	£2,662.50
Continuous Channel 1500	81	3.69	12.92	11512.8	£1,487.45	
1 x 58W T8 switch start (Equivalent)	81	5.43	12.92	16932.24	£2,187.65	£700.19

4 Corridor Areas 25m x 1.8m



FITTING COMPARISON 25m x 1.8m 4 CORRIDOR AREAS

FITTING	No. OF FITTINGS (required to meet 120 lux)	TOTAL LOAD (KWH)	UNIT RATE (pence per KWH)	ANNUAL CONSUMPTION (KWH)	ENERGY COST (per year)	SAVING (by choosing the lumitron fitting)
RZ430	28	0.46	12.92	1441.44	£186.23	
38 W 2D opal diffuser (Equivalent)	52	2.06	12.92	6427.2	£830.39	£644.16
DLN195/2000/LED	32	0.77	12.92	2402	£310.39	
DLN192 2 x 18W switch start (Equivalent)	56	2.91	12.92	9079	£1,173.03	£862.64