

Changing from CFLs to LEDs_5

Gordon Taylor

2015-11-19

Lamp	CFL Make	Type	lumens	Watts	lm/W	LED Make	Type	lumens	Beam Angle – deg	Watts	lm/W
Bedside	Philips	PL Electronic	600	11	55	Philips	LED	470	150	5.5	85
Lounge, Wall	Philips	Tornado	470	8	59	Diall	Filament	470	270	4	118
Lounge, Wall	Philips	Tornado	470	8	59	Diall	Filament	470	270	4	118
Lounge, Standard	GE	BIAX	600	11	55	Integral	Omni	470	260	5.5	85
Toilet	GE	BIAX	600	11	55	Integral	Omni	470	260	5.5	85
Hall	Osram	Energy Saver	1200	21	57	Integral	Omni	806	260	8.2	98
Landing	Osram	Energy Saver	1200	21	57	Integral	Omni	806	260	8.2	98
Boxroom	Philips	PL E-T PRO	1200	20	60	Sainsbury's		806		9.2	88
Garage	Philips	PL E-T PRO	1200	20	60	Sainsbury's		806		9.2	88
Bathroom	Philips	Tornado	1350	20	68	Integral	Omni	806	260	8.2	98
Master Bedroom	GE	QBX/A	1500	23	65	Integral	Omni	806	260	8.2	98
Spare Bedroom	GE	QBX/A	1500	23	65	Integral	Omni	806	260	8.2	98
Study	GE	BIAX	1500	23	65	Diall	LED	1055	285	12	88
Total				220						95.9	

CFL-LED			
Price - £	Power Saving - W	P S - %	Remarks
8.00	5.5	50	LED saves 50% of power but lumens are sufficient
6.00	4	50	Glass jar fitting allows use of clear LED with higher lm/W
6.00	4	50	Glass jar fitting allows use of clear LED with higher lm/W
6.76	5.5	50	LED saves 50% of power but lumens are sufficient
6.76	5.5	50	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.79	12.8	61	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.79	12.8	61	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
4.00	10.8	54	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
4.00	10.8	54	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.79	11.8	59	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.79	14.8	64	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.79	14.8	64	CFL starts at ~ 40%, and to 60% takes 30 s, LED takes 1 s
10.00	11	48	Mostly used to supplement daylight when overcast
105.45	124.1	56	