



The Queen's Hall
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Community Buildings Committee Meeting

Date: 15th December 2022

Agenda Item: CB031 To consider the approach for replacement of bulbs with LEDs at the Queen's Hall and Cuckfield Village Hall

Survey of light bulbs installed at Cuckfield Village Hall

Internal Lighting

41 light bulbs are installed in total, the table below shows the results of the analysis to establish which are LED.

Unfortunately as the tall ladders were unavailable some of the entries are best guesses.

Location	Type	Fitting type	Quantity	LED (Y/N)	Replacement cost
Kitchen	Fluorescent tube	5'	1	N	10.80
Kitchen "lobby"	Fluorescent square	CFL 2D	1	N	7.08
North Hall	Fluorescent tube	5' (?)	8	N	86.40
	Spot light	E27 (?)	4	N	4 x 1.20 = 4.80
Lobby area	Fluorescent square	CFL 2D	1	N	7.08
	Fluorescent square	CFL 2D	1	N	7.08
Men's/Disabled	Fluorescent square	CFL 2D	1	N	7.08
Storage cupboard (in lobby area)	Fluorescent square	CFL 2D	1	N	7.08
Ladies' room	Fluorescent tube	5'	1	N	10.80
Outside ladies' room	Fluorescent square (?)	CFL 2D (?)	1	N	7.08
Office	Fluorescent square (?)	CFL 2D (?)	1	N	7.08
South Hall	Fluorescent tube	5'/6' (?)	17*	N	151.20 + 42.30 = 193.50
Cupboard (South Hall -left)	Fluorescent square	CFL 2D	1	N	7.08

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Cupboard (South Hall -right)	Fluorescent square	CFL 2D	1	N	7.08
South Hall fire exit	Fluorescent square	CFL 2D	1	N	7.08
TOTAL					377.10

* ie. 7 double and 3 single light fittings

None of the light bulbs installed at the CVH is currently LED. Fluorescent tubes and squares (double Ds) are both available in LED format but at a price. If funds permit it would be good to replace all installed light fittings with LED versions as they expire – a simple table showing prices for the purpose of comparison is below. Using these figures we would be looking at around £380 to replace all fittings with LEDs.

Price comparison for tube and 2D lights (taken from TLC Electrical Supplies (15/11/2022))			
		Fluorescent	LED
Tube	5' (1.5m)	3.72	10.80
Tube	6' (1.8m)	5.40	14.10
CFL 2D		3.84	7.08

External Lighting

There are also a number of external lights along the side of the building (two of which are Passive Infrared (PIR) motion sensors) and a PIR security light at the end nearest the road.

Location	Type	Fitting type	Quantity	LED (Y/N)	Replacement cost
Side of building	Wall light	B22	4*	N	4 x £4 = £16.00
PIR security light on side of main door	?*	?	1	?	?
Security light (front)		R7s	1	N	n/a***
TOTAL					Approx. £20.00

* One of these is a PIR security light (by the kitchen, the rest are standard wall fittings)

** Unable to determine the bulb used in this fitting

*** This bulb cannot be replaced with an LED equivalent.

UPDATE: All 4 of the B22 bulbs were replaced with LED equivalents on 18th November, according to [DT Electrical Supplies](#) it is not possible to replace the security light bulb as there is no LED equivalent – the whole unit would need to be replaced. It was not

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possible to determine what bulb is installed in the PIR light close to the main door as the casing appears jammed.

Survey of light bulbs installed at Queen's Hall

The table below shows the results of the light bulb audit at the Queen's Hall.

Location	Type	Fitting type	Quantity	LED (Y/N)	Replace ?
Lobby bar	Wall sconces	Standard bayonet	5	Y	-
	Ceiling (recessed)	G24 4-pin ⁱ	14	N	X
	Cupboard under stairs	Standard bayonet	1	N	Y
Caretaker's cupboard	Ceiling	Standard bayonet	1	Y	-
Kitchen	Fluorescent strip		2	N	X
	Spot light	GU10 2-pin	1	Y	-
Entrance hall/ museum lobby	Ceiling (recessed)	G24 4-pin	5	N	X
	Spot lights	GU10 2-pin	3	Y	
	Pendant lamps	Standard bayonet	3	2-N	1-Y
Above main entrance door (outside)	Exterior lamp	E27 (screw fit)	1	Y	-
Men's toilet	Ceiling (recessed)	G24 4-pin	6 + 1	N	X
Ladies' toilet	Ceiling (recessed)	G24 4-pin	5 + 1	N	X
Disabled toilet	Ceiling	Standard bayonet	1	N	Y
Office	Pendant lamps	Standard bayonet	7	Y	-
Corridor (to side of main hall)	Spot lights	GU10 2-pin	16	Y	-
	Wall sconces	GR8 2-pin ⁱⁱ	3	N	X
1 st Floor Landing	Ceiling (recessed)	G24 4-pin	10	N	X
Council Chamber	Pendant lamps	E27 (screw fit)	6 ^{iii,iv}	N	Y
	Spot lights	GU10 2-pin	2	Y	-
Kitchenette	Ceiling	Standard bayonet	1	Y	-

There is quite a mix of LED and non-LED. The majority of the non-LED lights (42 of the 95 total) are the 4-pin G24 ones, which are very expensive in LED format; if we were to replace all of these we would be looking at an outlay in excess of £400. The G24 bulbs

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are low wattage (18W), so the benefit from purchasing replacement LED bulbs would not be significant.

The E27 bulbs are however much more affordable – the 6 that have been ordered to replace those installed in the Council Chamber cost just £14.44 (so under £2.50 each). There are just 4 others and I plan to replace those right away.

Going forward I suggest we make all standard bulb fittings (ie. both screw fit and bayonet) LED, but continue to use low wattage fluorescent ones until the cost of LED replacements becomes more affordable.

ⁱ G24 bulbs cost from as little as £2.50 each in regular fluorescent format; the LED versions are around £9-10, so 4 times more

ⁱⁱ GR8 price differentials are similar to G24, ie. £4-6 for fluorescent, £18-20 for LED version

ⁱⁱⁱ Replacements have been ordered and are due to be delivered on 26th October

^{iv} The light bulbs currently installed in the chamber are “E-saver” 20W bulbs – better than fluorescent (40-60W), but not as efficient as LED (6-9W)