

ECC LED Fitting Upgrade 17th October 2017

Mitie's Lighting Business

Fifty Years of Experience

Mitie is Europe's largest indoor lighting maintenance specialist. For fifty years we have been market leaders in lighting design, installation and maintenance, and we continue to be at the forefront of innovative and effective lighting solutions. Our national coverage, self-delivery capability and market knowledge underpins our energy management, design, installation and maintenance skills, making us the go-to partner for all your lighting needs.

An Industry Leader

We are determined to remain at the forefront of lighting innovation and technology. For this reason we are constantly challenging and developing the range of solutions we can offer our clients. We do this through our dedicated Technical Solutions Team, who have an enviable knowledge of the market and over 60 years combined experience in the industry.

They are committed to ensuring that the proposals we submit are designed to improve your lighting installation, maximise the deployment of current technology and provide a high quality of lighting with the least possible damage to the environment.

Savings for Our Clients

As an experienced lighting provider we understand the challenges facing our clients can be highly varied, ranging from improving the customer experience through effective lighting, to ensuring site disruption is kept to a minimum. We use our experience and expertise to develop the most effective lighting designs, resulting in minimal disruption and cost and energy savings.

Our understanding of the industry, knowledge of the latest technologies and self-delivery capability meant that last year we saved our clients 57,576,039 kwh, 31,326tonnes of CO2 and £6,045,485.



Largest lighting maintenance contractor in the UK



Installed 1,400,552 lamps in 2013



Last year we saved our clients £5,757,603.88



£35m lighting business



Last year we saved our clients 31,326 tonnes of CO²



National delivery capability



Last year we saved our clients 57,576,039 kwh

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Over 200 lighting engineers nationally

Our national capability

We have a national delivery capability through our network of 13 depots, as shown in the map, and over 200 lighting engineers.

All thirteen of our regional depots are individually certified by the NICEIC, the UK's leading voluntary regulatory body for the electrical contracting industry. Through assessing the technical competence of our electricians, we can ensure competency throughout and that their work meets the industry standards in both quality and safety. Furthermore, each of our depots has an NICEIC-approved qualifying assessor who is authorised to sign off electrical works as well as assess the competency of our electricians.

Training

Our fleet of engineers is 200 strong and covers the entirety of the UK. This ensures that no matter where the work is we will have someone with the sufficient qualifications and training within the area. Naturally, these engineers, no matter how far afield they are, will use our depots as their centre of operations. Furthermore, these depots will be the place in which they receive the majority of their highly tested and constantly developed training.



Training is of vital importance here at Mitie; it is our passion to training that enables us to guarantee such a high level of work. This is evident by the personalised trained plans our engineers have, ensuring that each individual learns exactly what they need to.

Training plans and costs are reviewed monthly to ensure that training is being undertaken satisfactorily and is meeting the needs of the business individuals and our clients.

All our electricians are expected to have the following qualifications:

 City & Guilds 236 Parts 1 & 2 (preferably also Part 3) or BTEC National Certificate (Electrical) or NVQ/SVQ equivalent Level 2/3

and

City & Guilds 16th Edition (or later) Wiring Regulations

We also expect them to have completed a recognised apprenticeship or suitable equivalent in electrical engineering and have three or more years' experience of electrical maintenance or in a related industry.

Your ideal partner

As an experienced provider of lighting solutions to retail and commercial clients, Mitie understand the pressures you face. These challenges can be highly varied and could range from improving your employee's experience through effective lighting, to ensuring disruption to your site during the period the works are undertaken is minimised.

As lighting professionals, our first priority is to ensure that the lighting schemes we offer provide good quality lighting that is suitable for purpose. We also know that a key driver for many of our customers is ensuring cost savings are achieved within your available finance or desired payback periods.

A changing marketplace

We understand that the market place is changing. Outside of increasing energy costs, new lighting solutions such as Light Emitting Diodes (LED) and improvements to conventional T5 Fluorescent lamps, along with the political focus on reducing harmful carbon emissions have only increased the necessity to improve lighting.

A market leading offering

We are determined to remain at the forefront of innovation and technology and for this reason we are constantly challenging and developing the range of solutions we can offer our clients. It is our selfdelivery capability coupled with our market knowledge which underpins our energy management, design, installation, and maintenance skills.

Retail & Commercial experience

We have an impressive client list within the retail and commercial sector. This includes maintaining all of the lighting assets for Tesco, Sainsbury, Debenhams, Boots, Ladbrokes, Lloyds Pharmacy & Lloyds Banking Group, Rolls Royce, Scottish Parliament, London University SOAS and many more. We have also undertaken significant LED improvements at Leeds Metropolitan University.

The services we provide our clients include bulk re-lamp and planned maintenance, reactive support, and delivery of energy saving lighting projects with the necessary design and installation skills on a national basis.

Two recent projects undertaken were Royal Bank of Scotland and JLL both of which are detailed in the case studies at the end of this capability document.

Our technical lighting team

We have an impressive in-house capability. This includes our Technical Solutions Team, who with four dedicated personnel design solutions which improve our customers' lighting installations, maximise the deployment of current technology and provide a high quality of lighting. This technical team combined with our Operational delivery from 13 national depots and over 200 skilled lighting engineers means we have the ability to deliver all aspects of lighting services to you.

Contract management

Contract Management and effective communication with our clients is central to any successful project. We would allocate a Manager to oversee and co-ordinate a programme of works and report progress to you.



Essex County Council

Mitie lighting are delighted to present our proposal to upgrade the lighting within 8 different Essex County Council buildings to LED Luminaires.

The 8 sites are proposal covers are:

- Witham Library
- Rayleigh Library
- Mulberry Tree
- Goodman House
- County Hall
- Billericay
- Clacton
- Braintree

We are proposing a GE LED lighting scheme to replace the lighting which will provide low capital exposure combined with high energy efficiency and a low payback period.

The different luminaires and quantities we are proposing through the estate are as follows. All products are a complete new LED fitting manufactured by GE. As can be seen, where there is an integral emergency luminaire we have priced for this to be swapped to a new integral emergency fitting.

ltem	Qty
LED Panel	1164
Luceco LED Bulkhead	58
LED TRACK MOUNTED SPOT	6
2FT LED BATTEN FITTING	56
4FT LED BATTEN FITTING	139
5FT LED BATTEN FITTING	171
6FT LED BATTEN FITTING	201
LED Downlighter	174
LED Panel E3	173
LED Bulkhead E3	32
Downlighter E3	3
5FT Batten fitting E3	2
6FT Batten fitting E3	4

Data & Assumptions

- > The works will be delivered outside of normal working hours
- → We have assumed annual burning hours to be 2808 per annum
- → We have assumed that you are paying £0.11 per unit for electricity
- → We have allowed a CO2 reduction of 0.5442 kgs per kiloWatt hour (DEFRA Figures)
- Carbon Reduction Commitment Charge based on £16.10 per tonne from April 2013
- Climate Change Levy is calculated at 0.541p per kiloWatt hour
- Where identified, we have made an access allowance.

Full Site Surveys and Proposal

Site Name	AREA	ROOM	LA	MPS		Fittings		Lamp s	Gear	Type of Fitting		gency Jhts	Sensor s	CEILING	A	CCESS	
Please CLEARLY identify the site where you are working	Please CLEARL Y identify the area where you are working	Recognise d or marked Number / Name or Reference	Type & Size	Wattag e	Colou r	Number of Lampwa ys per Fitting	QT Y	Total from Surve y	CONTR OL GEAR TYPE	Recesse d / Surface or Batten - , Open, Louvre or Diffuser (module of Trough)	Integr al or Stand alone	Qty Installe d	Fitted Qty	Type of Ceiling and replaceme nt issues?	Heigh t from floor	Type of Equipme nt Needed	Proposed Upgrade
Billericay		Main library ceiling	600x60 0 PLL	55w	840	2	129	258		Recessed	Integral and SA	4	N/A	Tiles	2.3M	Steps	LED PANEL
Billericay		Office	600x60 0 PLL	55w	840	2	8	16			N/A	4 N/A	N/A	Tiles	2.3M	Steps	LED PANEL
Billericay		Exterior	2D 28W	28w	840	1	° 5	5		Recessed Surface mounted	N/A	N/A	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
Billericay		Main library ceiling	PLC 32W	32w	840	1	4	4		Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED DOWNLIGHTER
Billericay		Bursted lodge offices	5FT T8	58w	840	1	2	2		Surface mounted cat 2	N/A	N/A	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
Billericay		Bursted lodge offices	5FT T8	58w	840	2	2	4		Surface mounted cat 2	N/A	N/A	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
Billericay	First Floor	CAB rooms	6FT T8	70w	840	1	3	3		surface mounted diffused	N/A	N/A	N/A	Solid	2.3M	Steps	6FT LED BATTEN FITTING
Billericay		Childrens centre	6FT T8	70w	840	2	2	4		surface mounted diffused	N/A	N/A	N/A	Solid	2.3M	Steps	6FT LED BATTEN FITTING
Billericay		Childrens centre	6FT T8	70w	840	1	1	1		surface mounted diffused	N/A	N/A	N/A	Solid	2.3M	Steps	6FT LED BATTEN FITTING
Billericay		Toilet 1st floor	2D 28W	28w	840	1	1	1		Surface mounted	N/A	N/A	N/A	Solid	2.3M	Steps	LUCECO LED BULKHEAD
Billericay		Group managers office	6FT T8	70w	840	2	2	4		Surface mounted	N/A	N/A	N/A	Solid	2.3M	Steps	6FT LED BATTEN FITTING
Billericay		First floor kitchen	5FT T8	58w	840	1	1	1		Surface mounted	N/A	N/A	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING

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Braintree BOH Plant room SFT T8 58w 840 2 2 4 Surface mounted IP65 SA 2 N/A Solid 2.5M Steps SFT LED BATTEN FITTING Braintree BOH 2 28W 28w 840 1 3 3 Surface mounted Integral 2 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 15t floor Corridor 28W 28w 840 1 6 6 mounted Integral 2 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 1st floor Corridor 28W 28w 840 1 6 6 mounted N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 1st floor Stock room SFT T8 58w 840 2 2 4 Surface mounted N/A N/A Solid 2.5M Steps Steps StFT LED BATTEN FITTING Braintree 1st floor Cupboard 28W 28w		1		1	r													
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Billericay	Billericay			6FT T8	70w	840	1	10	10			N/A	N/A	N/A	Solid	2.3M	Steps	6FT LED BATTEN FITTING
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BraintreeBOHPlant roomSFT 18S8w840224Mounted 1P65SA2N/ASolid2.5MStepsSFT LED BATTEN FITTINGBraintreeBOH228W28W840133mountedIntegral2N/ASolid2.5MStepsLUCECO LED BULKHEADBraintreeBOH228W28W840166SurfaceHerritoria111SurfaceHerritoria1111SurfaceHerritoria1111SurfaceHerritoria11 <t< td=""><td>Braintree</td><td>BOH</td><td>Lobby area</td><td>28W</td><td>28w</td><td>840</td><td>1</td><td>2</td><td>2</td><td></td><td>mounted</td><td>N/A</td><td>N/A</td><td>N/A</td><td>Solid</td><td>2.5M</td><td>Steps</td><td>LUCECO LED BULKHEAD</td></t<>	Braintree	BOH	Lobby area	28W	28w	840	1	2	2		mounted	N/A	N/A	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
BraintreeBOHPlant roomSFT 7858w840224IP65SA2N/ASolid2.5MStepsSFT LED BATTEN FIITINGBraintreeBOH228W28W28W840133mountedIntegral2N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorCorridor28W28W840166SurfaceN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorCorridor28W28W840224SurfaceN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT 7858w840224SurfaceN/AN/ASolid2.5MStepsSFT LED BATTEN FIITINGBraintree1st floorStock room5FT 7858w840224SurfaceN/AN/AN/ASolid2.5MStepsSFT LED BATTEN FIITINGBraintree1st floorcorpoard2BW28W840111mountedIntegral1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorcupboard2BW28W8401111mountedIntegral1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorCorridor2BW																		
BraintreeLobby area2D2BW28W28W8401333Surface mountedN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorCorridor28W28W8401666mountedIntegral2N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT T858W840224Surface mountedN/AN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT T858W840224Surface mountedN/AN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT T858W840224Surface mountedN/AN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorcupboard22W28W8401111MountedIntegral1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree2nd floorCorridor28W28W840133mountedIntegral1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree2nd floorCorridor28W28W840133mountedIntegral1N/ASolid2.5MS	Braintree	BOH	Plant room	5FT T8	58w	840	2	2	4			SA	2	N/A	Solid	2 5M	Steps	5FT LED BATTEN FITTING
Braintree1st floorCorridor2D 28W28w840166Surface mountedN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT 7858w840224Surface mountedN/AN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorStock room5FT 7858w840224Surface mountedN/AN/AN/ASolid2.5MSteps5FT LED BATTEN FITTINGBraintree1st floorcupboard28W28w840111Surface mounted1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree1st floorCorridor28W28w840133Surface mounted1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree2nd floorCorridor28W28w840133Surface mounted1N/ASolid2.5MStepsLUCECO LED BULKHEADBraintree2nd floorOffices4FT T836w840248Surface mountedN/AN/AN/ASolid2.5MStepsLUCECO LED BULKHEADBraintree2nd floorOffices4FT T836w840248Surface mountedN/AN/AN/ASolid2.5MSteps4FT LED B	Brance	5011			5011	0.0	_	_				0,11	_	,/	bolia	210111	oteps	
Braintree 1st floor Corridor 28W 28W 840 1 6 6 mounted Integral 2 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 1st floor Stock room 5FT 78 58w 840 2 2 4 Surface N/A N/A Solid 2.5M Steps 5FT LED BATTEN FITTING Braintree 1st floor cupboard 28W 28W 840 1 1 1 Surface N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 1st floor cupboard 28W 840 1 1 1 Surface N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 840 1 3 3 mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 840 1 3 3 mounted Integral	Braintree	BOH	2		28w	840	1	3	3			Integral	2	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
Braintree 1st floor Stock room 5FT T8 58w 840 2 2 4 Surface mounted N/A N/A N/A N/A Solid 2.5M Steps 5FT LED BATTEN FITTING Braintree 1st floor cupboard 28w 28w 840 1 1 1 Surface mounted 1 N/A N/A N/A Solid 2.5M Steps 5FT LED BATTEN FITTING Braintree 1st floor cupboard 28w 28w 840 1 1 1 Mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28w 840 1 3 3 mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28w 840 1 3 3 mounted Integral 1 N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Offices <td< td=""><td>Depinterop</td><td>1st floor</td><td>Corridor</td><td></td><td>20</td><td>840</td><td>1</td><td>C</td><td>C</td><td></td><td></td><td>Integral</td><td>2</td><td>NI / A</td><td>Colid</td><td>2 5 4</td><td>Stone</td><td></td></td<>	Depinterop	1st floor	Corridor		20	840	1	C	C			Integral	2	NI / A	Colid	2 5 4	Stone	
Braintree 1st floor Stock room 5FT 78 58w 840 2 2 4 mounted N/A N/A N/A Solid 2.5M Steps 5FT LED BATTEN FITTING Braintree 1st floor cupboard 2BW 28w 840 1 1 1 1 N/A N/A N/A Solid 2.5M Steps 5FT LED BATTEN FITTING Braintree 1st floor cupboard 28W 28W 840 1 1 1 1 N/A N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 28w 840 1 3 3 Mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 28w 840 1 3 3 Surface Mounted N/A N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Offices 4FT T8 36w </td <td>Braintree</td> <td>1St HOOF</td> <td>Corridor</td> <td>2875</td> <td>28W</td> <td>840</td> <td>1</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>Integral</td> <td>2</td> <td>N/A</td> <td>Solid</td> <td>2.5171</td> <td>steps</td> <td>LUCECO LED BULKHEAD</td>	Braintree	1St HOOF	Corridor	2875	28W	840	1	0	0			Integral	2	N/A	Solid	2.5171	steps	LUCECO LED BULKHEAD
Braintree 1st floor cupboard 28W 28W 840 1 1 mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 28W 840 1 3 3 Surface N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Corridor 28W 28W 840 1 3 3 Surface N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Offices 4FT T8 36w 840 2 4 8 Surface N/A N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD	Braintree	1st floor	Stock room	5FT T8	58w	840	2	2	4			N/A	N/A	N/A	Solid	2.5M	Steps	5FT LED BATTEN FITTING
Braintree 2nd floor Corridor 2Bw 28w 840 1 3 3 Surface mounted 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Offices 4FT 78 36w 840 2 4 8 Surface mounted N/A N/A N/A Solid 2.5M Steps LUCECO LED BULKHEAD																		
Braintree 2nd floor Corridor 28W 28w 840 1 3 3 mounted Integral 1 N/A Solid 2.5M Steps LUCECO LED BULKHEAD Braintree 2nd floor Offices 4FT 78 36w 840 2 4 8 Surface mounted N/A N/A N/A Solid 2.5M Steps 4FT LED BATTEN FITTING	Braintree	1st floor	cupboard		28w	840	1	1	1			Integral	1	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
Braintree 2nd floor Offices 4FT 78 36w 840 2 4 8 Surface mounted N/A N/A N/A Solid 2.5M Steps 4FT LED BATTEN FITTING	Braintree	2nd floor	Corridor		28w	840	1	3	3			Integral	1	N/A	Solid	2.5M	Steps	
	Brandice	2110 11001		2011	2011	0.0	-		,				-	,	00114	2.5	bropo	
	Braintree	2nd floor	Offices	4FT T8	36w	840	2	4	8			N/A	N/A	N/A	Solid	2.5M	Steps	4FT LED BATTEN FITTING
	Depisture	2nd fleet	Chaff	257.70	10	040	2	_	15		Surface	late and	2	NI / A	Colled	2 514	Chaire	
Braintree 2nd floor Staff room 2FT78 18w 840 3 5 15 mounted Integral 2 N/A Solid 2.5M Steps LED PANEL	Braintree	2nd floor	Starr room		T&M	840	3	5	15			integral	2	IN/A	20110	2.5IVI	Steps	LEU PANEL
Braintree 2nd floor Staff room 26W 26w 840 2 2 4 DL N/A N/A Solid 2.5M Steps LED DOWNLIGHTER	Braintree	2nd floor	Staff room	_	26w	840	2	2	4			N/A	N/A	N/A	Solid	2.5M	Steps	LED DOWNLIGHTER

			2D							Surface							
Braintree	2nd floor	Corridor	28W	28w	840	1	9	9		mounted	Integral	3	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
		Meeting								Surface							
Braintree	2nd floor	room	2FT T8	18w	840	3	6	18		mounted	Integral	2	N/A	Solid	2.5M	Steps	LED PANEL
		Meeting	GLS													_	
Braintree	2nd floor	room	60W	60w	840	1	6	6		Recessed	N/A	N/A	N/A	Solid	2.5M	Steps	LED DOWNLIGHTER
	2 1 (1	Meeting	2D	20						Surface				C 111	2.514	<u></u>	
Braintree	2nd floor	room	28W	28w	840	1	1	1		mounted	N/A	N/A	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
Braintree	Ground floor	Lift room	5FT T8	58w	840	1	1	1		Surface mounted	Integral	1	N/A	Solid	2.5M	Steps	5FT LED BATTEN FITTING
Didilitiee	Ground	Disabled	2D	JOW	640	1	1	1		Surface	Integral	1	N/A	30110	2.3111	Steps	SIT LED BATTEIN THING
Braintree	floor	toilet	28W	28w	840	1	1	1		mounted	Integral	1	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
braintice	Ground	Cleaners	2D	2011	040	-	-	-		Surface	Integral	1	N//X	50114	2.5111	Steps	
Braintree	floor	cupboard	28W	28w	840	1	1	1		mounted	N/A	N/A	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
		Cupboard					-	_									
	Ground	behind	2D							Surface							
Braintree	floor	desk	28W	28w	840	1	2	2		mounted	Integral	1	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
			PLC							Recessed							
Clacton	Lobby		26W	26w	840	1	4	4		DL	N/A	N/A	N/A	Solid ceiling	2.3m	steps	LED DOWNLIGHTER
	Main																
	Library																
Clacton	ceiling		2FT T8	18w	840	4	53	212		recessed	Integral	7	N/A	Tiles	2.3m	steps	LED PANEL
	Main																
	Library		PLC	20			20	20		Recessed							
Clacton	ceiling		26W	26w	840	1	20	20		DL	N/A	N/A	N/A	Tiles	2.3m	steps	LED DOWNLIGHTER
	Main Library		GU10							Track mounted							LED TRACK MOUNTED
Clacton	ceiling		50W	50w	840	1	6	6		spots	N/A	N/A	N/A	Solid ceiling	2.3m	steps	SPOT
clucton	Over		5011	501	040	-	0	0		5000	14/73	14/71	14/74	Solid cering	2.511	51005	3101
Clacton	terminals		4FT T8	36w	840	1	8	8		Suspended	N/A	N/A	N/A	Tiles	2.3m	steps	4FT LED BATTEN FITTING
							-	-		surface							
	Compute									mounted							
Clacton	r area		5FT T8	58w	840	1	10	10		cat 2	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
										surface							
Clacton	Café		5FT T8	58w	840	1	6	6		mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
			2D							surface							
Clacton	Toilet		28W	28w	840	1	1	1		mounted	Integral	1	N/A	Solid ceiling	2.3m	steps	LUCECO LED BULKHEAD
						_				surface							
Clacton	Garage		5FT T8	58w	840	2	8	16		mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
	Mar de									surface							
Clacton	Work		5FT T8	58w	840	1	6	6		mounted cat 2	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
Clacton	room Work		2D	JOW	640	1	0	0		surface	IN/A	N/A	N/A	Solid Celling	2.5111	steps	SIT LED BATTEIN THING
Clacton	room		28W	28w	840	1	2	2		mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	LUCECO LED BULKHEAD
Clacton	100111		2D	2011	040	-	-	2		surface	14/7	14/70	N//	Jona centing	2.5111	51005	
Clacton	Toilet		28W	28w	840	1	2	2		mounted	integral	2	N/A	Solid ceiling	2.3m	steps	LUCECO LED BULKHEAD
	Staff		1		1	1	1	1		surface		1	, i				
Clacton	room		5FT T8	58w	840	1	6	6		mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
	Staff		2D			1			1	surface				Ŭ			
Clacton	stairs		28W	28w	840	1	4	4		mounted	Integral	4	N/A	Solid ceiling	2.3m	steps	LUCECO LED BULKHEAD
	New									surface							
Clacton	books		5FT T8	58w	840	2	10	20		mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING

1	New	1	1				1		surface	1		I	1	1		1
Clacton	books		5FT T8	58w	840	1	1	1	mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
									surface							
Clacton	Office		4FT T8	36w	840	2	2	4	mounted surface	N/A	N/A	N/A	Solid ceiling	2.3m	steps	4FT LED BATTEN FITTING
Clacton	Office 2		5FT T8	58w	840	1	7	7	mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
	Public		2D						surface							
Clacton	stairs		28W	28w	840	1	11	11	mounted surface	Integral	10	N/A	Solid ceiling	2.3m	steps	LUCECO LED BULKHEAD
									mounted							
		Meeting							diffused							
Clacton	Top floor	room	6FT T8	70w	840	1	6	6	fitting surface	integral	2	N/A	Solid ceiling	2.3m	steps	6FT LED BATTEN FITTING
									mounted							
		Storage							diffused							
Clacton	Top floor	room	6FT T8	70w	840	1	8	8	fitting surface	integral	2	N/A	Solid ceiling	2.3m	steps	6FT LED BATTEN FITTING
									mounted							
		storage							diffused							
Clacton	Top floor	room 2	6FT T8	70w	840	1	12	12	fitting surface	SA	3	N/A	Solid ceiling	2.3m	steps	6FT LED BATTEN FITTING
Clacton	Top floor	Museum	6FT T8	70w	840	1	6	6	mounted	N/A	N/A	N/A	Solid ceiling	2.3m	steps	6FT LED BATTEN FITTING
Clacton	Top floor	Library	4FT T8	36w	840	3	18	54	Recessed	N/A	N/A	N/A	Solid ceiling	2.3m	steps	LED PANEL
cidetoii	1001001	Library	41110	501	040		10	54	surface	14/7	14/14	14/1	Solid centing	2.511	Steps	
									mounted							
Clacton	Top floor	Library	5FT T8	58w	840	2	4	8	cat 2 suspended	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
Clacton	Top floor	Library	5FT T8	58w	840	1	2	2	cat2	N/A	N/A	N/A	Solid ceiling	2.3m	steps	5FT LED BATTEN FITTING
		Above lift							Wall				Wall			
Clacton		door 1st floor	4FT T8	36w	840	1	1	1	mounted	N/A	N/A	N/A	mounted	2.3m	steps	4FT LED BATTEN FITTING
County Hall	B building	office	2FT T8	18w	840	4	95	380	Recessed	Integral	10	N/A	Tiles	2.5M	Steps	LED PANEL
		1st floor	2D					_			_				_	
County Hall	B building	office	16W	16w	840	1	1	1	Recessed	Integral	1	N/A	Tiles	2.5M	Steps	LUCECO LED BULKHEAD
County Hall	E Building	E1 zone 3	2FT T8	18w	840	4	15	60	Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
County Hall	E Building	Walk way	5FT T8	58w	840	1	4	4	Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	5FT LED BATTEN FITTING
County Hall	B building	2nd floor	2FT T8	18w	840	4	57	228	Recessed	Integral	7	N/A	Tiles	2.5m	Steps	LED PANEL
							-		Surface							
County Hall	B building	2nd floor	2FT T8	18w	840	3	6	18	mounted	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
County Hall	B building	Room 6	5FT T8	58w	840	1	2	2	Surface mounted	N/A	N/A	N/A	Solid	2.5M	Steps	5FT LED BATTEN FITTING
	0								Surface							
County Hall	B building	Occ Health	5FT T8	58w	840	1	5	5	mounted cat 2	N/A	N/A	N/A	Solid	2.5M	Steps	5FT LED BATTEN FITTING
	0							-				1				
County Hall	B building	Office Consultatio	2FT T8	18w	840	4	15	60	Recessed surface	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
County Hall	B building	n room 1	5FT T8	58w	840	2	17	34	mounted	N/A	N/A	N/A	Solid	2.5m	Steps	5FT LED BATTEN FITTING
		Disabled	2D					_	Surface		_					
County Hall	B building	toilet	28W	28w	840	1	1	1	mounted	integral	1	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD

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Country Hall	D. Is with stress	Johnston	PLC	20.00	040	2	19	20		Recessed	N1/A	N1/A	N1/A	Tiles	2.514	Channa	
County Hall	B building	Room	26W PLC	26w	840	2	19	38		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED DOWNLIGHTER
County Hall	B building	Canteen	26W	26w	840	2	36	72		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED DOWNLIGHTER
			MBFU														
County Hall	B building	Canteen	150W	150w	840	1	6	6		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	No Change
			Halo														
County Hall	D building	Cantoon	Spot	F.0	840	1	17	17		Decessed	NI / A	NI/A	NI / A	Tiles	2 5 4	Store	LED DOWNLIGHTER
County Hall	B building	Canteen	50w GLS	50w	840	1	17	17		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED DOWNLIGHTER
County Hall	B building	Canteen	60W	60w	840	1	4	4		recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED DOWNLIGHTER
			PLC							surface							
County Hall	B building	Canteen	26W	26w	840	2	3	6		mounted	N/A	N/A	N/A	Tiles	2.5M	Steps	LED DOWNLIGHTER
							_			surface						_	
County Hall	B building	corridor GF	Biax	18w	840	2	5	10		mounted	N/A	N/A	N/A	Solid	2.5M	Steps	No Change
County Hall	B building	Office GF	2FT T8	18w	840	4	24	96		Recessed	Integral	6	N/A	Tiles	2.5M	Steps	LED PANEL
			600x60	-									,		-		
County Hall	B building	Office GF	0 PLL	55w	840	2	5	10		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
			600x60														
County Hall	B building	Office GF	0 PLL	55w	840	2	36	72		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
		book								mounted on the							
County Hall	Library	shelves	6FT T8	70w	840	1	88	88		shelves	N/A	N/A	N/A	N/A	2M	Steps	6FT LED BATTEN FITTING
										mounted	,	,	,	,			
		book								on the							
County Hall	Library	shelves	3FT T8	30w	840	1	68	68		shelves	N/A	N/A	N/A	N/A	2M	Steps	4FT LED BATTEN FITTING
Goodman	Ground	Reception		70	040	2		0	Classica di s	Deter	N1/A	N1/A	N1/A	21/2	2.514	Channa	
House Goodman	floor Ground	pelmet Reception	6FT T8 GU10	70w	840	2	4	8	Electronic	Baton	N/A	N/A	N/A	N/A	2.5M	Steps	6FT LED BATTEN FITTING
House	floor	spot lights	50W	50w	840	1	25	25	Electronic	spot light	N/A	N/A	N/A	Solid	2.3M	Steps	LED DOWNLIGHTER
Goodman	Ground	Reception	5011	5011	0.10	-	20	20	Licotronic	sporngin	,	,,,	,//	bolid	2.0.11	ocepo	
House	floor	desk	6FT T5	55w	840	2	1	2	Electronic	Suspended	N/A	N/A	N/A	Tiles	2.3M	Steps	6FT LED BATTEN FITTING
		Office															
Goodman	Ground	behind	600x60				_		-								
House	floor	reception Office	0 PLL	55w	840	2	7	14	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	behind	GU10														
House	floor	reception	50W	50w	840	1	4	4	Electronic	Recessed	Integral	2	N/A	Tiles	2.3M	Steps	LED DOWNLIGHTER
Goodman	Ground		600x60														
House	floor	Corridor	0 PLL	55w	840	2	7	14	Electronic	Recessed	Integral	4	2	Tiles	2.3M	Steps	LED PANEL
		WW															
Goodman House	Ground floor	meeting room	600x60 0 PLL	55w	840	2	2	4	Electronic	Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED PANEL
nouse	1001	WW	UPLL	53W	040	2	2	4	LIEUUUIIU	NECESSEU	IN/A	IN/A	IN/A	11185	2.311	Sichs	
Goodman	Ground	conference	600x60														
House	floor	room	0 PLL	40w	840	2	9	18	Electronic	Recessed	Integral	2	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	WW main	600x60														
House	floor	office	0 PLL	40w	840	2	56	112	Electronic	Recessed	Integral	10	13	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	WW meeting	600x60														
House	floor	room 2	0 PLL	40w	840	2	2	4	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED PANEL
			0.11		0.0	-	-		2100010110	licecocu		÷	,		2.5	occps	
Goodman	Ground	Data room	600x60	40	840	2	1	2	Electronic	Recessed	Integral	2		Tiles	2.3M	Steps	LED PANEL

House	floor	1	0 PLL		1							<u> </u>	I		1	I	
nouse	noor		OTEL														
		WW															
Goodman	Ground	meeting	600x60	40		2	2								2.214	C 1	
House	floor	room 3	0 PLL	40w	840	2	2	4	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	WW meeting	600x60														
House	floor	room 4	0 PLL	40w	840	2	2	4	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	Stairs	OTEL	-010	040	-	-	-	Licetronic	Recessed	Incegrui	-	N//X	Thes	2.5111	Steps	
House	floor	(back)	2FT T8	18w T8	840	4	4	16	Electronic	Recessed	SA	2	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman			600x60														
House	First floor	All offices	0 PLL	40w	840	2	195	390	Electronic	Recessed	Integral	32	35	Tiles	2.3M	Steps	LED PANEL
Goodman										recessed							
House		stairs	2FT T8	18w	840	4	4	16	Electronic	louvred	SA	2	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman House	Stairwell	Lobbies	PLC 32W	32w	840	2	21	42	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED DOWNLIGHTER
Tiouse	Stall Well	EW	3200	32.00	840	2	21	42	Liectionic	Recessed	integrai	1	N/A	Tiles	2.3111	Steps	
Goodman		meeting	600x60														
House	2nd floor	room 1	0 PLL	40w	840	2	2	4	Electronic	Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman		EW main	600x60														
House	2nd floor	office	0 PLL	40w	840	2	74	148	Electronic	Recessed	Integral	15	14	Tiles	2.3M	Steps	LED PANEL
Cardenau		EW	60060														
Goodman House	2nd floor	meeting room 2	600x60 0 PLL	40w	840	2	3	6	Electronic	Recessed	Integral	1	N/A	Tiles	2.3M	Steps	LED PANEL
House	2110 11001	EW	UTLL	4000	040	2	5	0	Licetronic	Recessed	Integral	1	N/A	Thes	2.5111	Steps	
Goodman		conferencr	600x60														
House	2nd floor	room	0 PLL	40w	840	2	6	12	Electronic	Recessed	Integral	2	N/A	Tiles	2.3M	Steps	LED PANEL
		Large															
Goodman		conference	600x60			-											
House	2nd floor	room	0 PLL	40w	840	2	9	18	Electronic	Recessed	Integral	2	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman		WW conference	600x60														
House	2nd floor	room	0 PLL	40w	840	2	9	18	Electronic	Recessed	Integral	2	N/A	Tiles	2.3M	Steps	LED PANEL
Goodman	211011001	WW main	600x60		0.0	-	5	10	Licetronic	neeebbeu	incegrui	-		1100	LIST	oteps	
House	2nd floor	office	0 PLL	40w	840	2	97	194	Electronic	Recessed	Integral	16	18	Tiles	2.3M	Steps	LED PANEL
Goodman			600x60														
House	2nd floor	Corridor	0 PLL	40w	840	2	8	16	Electronic	Recessed	Integral	3	2	Tiles	2.3M	Steps	LED PANEL
Goodman	Ground	C	600x60	40		2		20					3		2.214	C 1	
House Goodman	floor Ground	Corridor EW main	0 PLL 600x60	40w	840	2	14	28	Electronic	Recessed	Integral	1	3	Tiles	2.3M	Steps	LED PANEL
House	floor	office	0 PLL	40w	840	2	95	190	Electronic	Recessed	Integral	13	16	Tiles	2.3M	Steps	LED PANEL
										Surface							
Mulberry Tree		Reception	4FT T8	36w	840	1	4	4		mounted	SA	1	N/A	Solid	2.3M	Steps	4FT LED BATTEN FITTING
										Surface							
Mulberry Tree		Reception	2FT T8	18w	840	1	2	2		mounted	SA	1	N/A	Solid	2.3M	Steps	2FT LED BATTEN FITTING
Mulhorny Tra-		Kitaban	EET TO	F 9	840	1		4		Surface	5.4	1	NI / A	Calid	2.214	Stone	
Mulberry Tree		Kitchen	5FT T8	58w	840	1	4	4		mounted Surface	SA	1	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
										mounted							
Mulberry Tree		Office	5FT T8	58w	840	1	3	3		cat2	SA	1	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
							1			Surface							
Mulberry Tree		Acorn room	5FT T8	58w	840	1	3	3		mounted	SA	1	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
MulborneTro-		Acorp room	457 70	26	040	1	1	1		Curfooo	C ^	n/s	NI / A	لمناح	2 214	Ctore	
Mulberry Tree		Acorn room	4FT T8	36w	840	1	T	T	1	Surface	SA	n/a	N/A	Solid	2.3M	Steps	4FT LED BATTEN FITTING

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		1						1		r		i	1	1	1	1
									mounted							
		2D							Surface							
Mulberry Tree	Acorn room	16W	16w	840	1	1	1		mounted	SA	n/a	N/A	Solid	2.3M	Steps	LUCECO LED BULKHEAD
Mulberry Tree	Bluebell	5FT T8	58w	840	1	2	2		Surface mounted	SA	1	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
indipenty nee	Bideben	51110	5011	0.10	-	_	_		Surface	0,1	-	,,,	00110	LIGHT	occpo	
Mulberry Tree	Reception	5FT T8	58w	840	1	11	11		mounted	SA	3	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
	Disabled	2D	20	0.40					Surface	C A	,		6 I I I	2.214		
Mulberry Tree	toilet	28W	28w	840	1	1	1		mounted Surface	SA	n/a	N/A	Solid	2.3M	Steps	LUCECO LED BULKHEAD
									mounted							
Mulberry Tree	Bathroom	5FT T8	58w	840	1	1	1		IP65	SA	n/a	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
									Surface							
Mulberry Tree	Baby unit	4FT T8	36we	840	1	1	1		mounted baton	SA	n/a	N/A	Solid	2.3M	Steps	4FT LED BATTEN FITTING
wuberry free	Games	41110	Sowe	640	1	1	1		Surface	ЗA	II/ d	N/A	30110	2.5101	steps	411 LLD DATILIN TITIING
Mulberry Tree	room	5FT T8	58w	840	1	9	9		mounted	SA	3	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
									Surface							
Mulberry Tree	Squirels	5FT T8	58w	840	1	6	6		mounted	SA	2	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
Mulberry Tree	Toilets	4FT T8	36w	840	1	3	3		Surface mounted	SA	1	N/A	Solid	2.3M	Steps	4FT LED BATTEN FITTING
indiperty free	Tonets		5011	0.10	-				Surface	0,1	-	,,,	00110	LIGHT	occpo	
Mulberry Tree	The Den	5FT T8	58w	840	1	3	3		mounted	SA	1	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
	100.1	2D							Surface							
Mulberry Tree	Kitchen Garden	28W	28w	840	1	1	1		mounted surface	SA	1	N/A	Solid	2.3M	Steps	LUCECO LED BULKHEAD
Mulberry Tree	room	5FT T8	58w	840	1	3	3		mounted	SA	1					5FT LED BATTEN FITTING
,						-			surface							
Mulberry Tree	Corridor	4FT T8	36w	840	1	5	5		mounted	SA	2					4FT LED BATTEN FITTING
Rayleigh	0.00	600x60		0.40	2	16	22							2.514		
Library Rayleigh	Office	0 PLL 600x60	55w	840	2	16	32	-	Recessed	Integral	1	N/A	Tiles	2.5M	Steps	LED PANEL
Library	Locker area	0 PLL	55w	840	2	2	4		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
Rayleigh		2D							Surface							
Library	Toilets	28W	28w	840	1	4	4		mounted	Integral	2	N/A	Solid	2.5M	Steps	LUCECO LED BULKHEAD
Rayleigh	Staff room	600x60	FFW	840	2	4	0		Decessed	NI/A	NI/A	NI/A	Tiles	2 5 4	Ctons	
Library Rayleigh	Staff room	0 PLL 600x60	55w	840	2	4	8		Recessed	N/A	N/A	N/A	Tiles	2.5M	Steps	LED PANEL
Library	Cpoier area	0 PLL	55w	840	2	4	8		Recessed	Integral	1	N/A	Tiles	2.5M	Steps	LED PANEL
Rayleigh	Back of								Sureface							
Library	garage	6FT T8	70w	840	1	1	1		baton	N/A	N/A	N/A	Tiles	2.5M	Steps	6FT LED BATTEN FITTING
Rayleigh Library	Garage	5FT T8	58w	840	1	6	6		Surface IP65	N/A	N/A	1	Solid	3M	Tall steps	5FT LED BATTEN FITTING
Rayleigh	Garage	2D	30W	640	1	0	0		Surface	N/A	N/A	1	30110	JIVI	Tall Steps	JIT LED BATTLIN TITLING
Library	Garage	28W	28w	840	1	6	6		mounted	N/A	N/A	N/A	Solid	3M	Steps	LUCECO LED BULKHEAD
Rayleigh									Surface							
Library	Workshop	5FT T8	58w	840	2	8	16		IP65	N/A	N/A	N/A	Solid	3M	Tall steps	5FT LED BATTEN FITTING
Rayleigh Library	Boiler room	5FT T8	58w	840	2	5	10		Surface IP65	Integral	1	N/A	Solid	2.5M	Steps	5FT LED BATTEN FITTING
LINIOLY	Storage	51110	5577	040	2	5	10		11 05	incegrui	-	17/7	5010	2.3111	Steps	
Rayleigh	next to								Surface							
Library	boiler room	6FT T8	70w	840	1	1	1		baton	N/A	N/A	N/A	Solid	2.5M	Steps	6FT LED BATTEN FITTING

1	1	Storage			1		1	r	r	1	1		1		1	Ì	
Rayleigh		Storage next to	GLS														
Library		boiler room	60W	60w	840	1	3	3		Surface	N/A	N/A	N/A	Solid	2M	Steps	LED DOWNLIGHTER
Rayleigh		Electrical						-		Surface	,	,	,				
Library		cupboard	6FT T8	70w	840	1	1	1		baton	N/A	N/A	N/A	Solid	2.5M	Steps	6FT LED BATTEN FITTING
Rayleigh										Surface							
Library		Lobby	6FT T8	70w	840	2	9	18		louvred	N/A	N/A	N/A	Solid	2.5M	Steps	6FT LED BATTEN FITTING
Rayleigh		Library	600x60		0.40	2		164				_		T 1	2.514	<u> </u>	
Library		ceiling Library	0 PLL	55w	840	2	82	164		Recessed	Integral	7	N/A	Tiles	2.5M	Steps	LED PANEL
Rayleigh Library		ceiling	5FT T8	58w	840	1	4	4		Suspended track	N/A	N/A	N/A	Tiles	2M	Steps	5FT LED BATTEN FITTING
Witham		cenng	600x60	5011	0.10	4				truck	,			1165	2	breps	
Library	Entrance		0 PLL	18	840	2	2	4	SS	Recessed	N/A	N/A	N/A	Solid	2.5M	Steps	LED PANEL
Witham			600x60														
Library	Entrance		0 PLL	40w	840	2	16	32		Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED PANEL
Witham	_		600x60			_										-	
Library	Entrance		0 PLL	55w	840	2	11	22		Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED PANEL
Witham Library	Ground floor	Registrars office	5FT T5	35w	840	2	1	2		Surface mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	5FT LED BATTEN FITTING
Witham	Ground	Unice	PLC	55W	040	2	1	2		mounteu	N/A	N/A	N/A	Tiles	2.3101	Steps	SFI LED BATTEIN FITTING
Library	floor	Store room	36W	36w	840	2	1	2		Recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED DOWNLIGHTER
Witham	Ground		600x60								, ,	,	,				
Library	floor	Store room	0 PLL	55w	840	2	1	2		recessed	N/A	N/A	N/A	Tiles	2.3M	Steps	LED PANEL
Witham	Ground																
Library	floor	Over desk	5FT T5	35w	840	2	2	4		Suspended	N/A	N/A	N/A	Solid	2.3M	Steps	5FT LED BATTEN FITTING
Witham	Ground		MBFU														
Library	floor		80W	80w	840	1	6	6		Suspended	N/A	N/A	N/A	Solid	6M	Scaffold	No Change
Witham Library	Ground floor	main ceiling	6FT T8	70w	840	2	29	58		Surface mounted	N/A	N/A	N/A	Solid	2.3M	steps	6FT LED BATTEN FITTING
Witham	Ground	main cening	600x60	7000	040	2	25	50		Wall	N/A	N/A	N/A	30110	2.3111	steps	BIT LED BATTER THING
Library	floor		0 PLL	55w	840	2	6	12		mounted	N/A	N/A	N/A	N/A	2.3M	steps	LED PANEL
Witham			600x60								,	,	,	,			
Library	First floor	Main ceiling	0 PLL	55w	840	2	47	94		Recessed	Integral	5	N/A	Tiles	3.5m	A frame	LED PANEL
Witham			600x60														
Library	First floor	main ceiling	0 PLL	40w	840	2	40	80		Recessed	Integral	7	N/A	Tiles	3.5m	A frame	LED PANEL
Witham	Circle flaters		457.70	26	040	2	2			Surface	N1/0	NI / A	N1/A	T 11	2.2	Channa	
Library Witham	First floor	main ceiling	4FT T8 2D	36w	840	2	2	4		baton Surface	N/A	N/A	N/A	Tiles	2.3m	Steps	4FT LED BATTEN FITTING
Library	First floor	Staff area	20 28W	28w	840	1	3	3		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	LUCECO LED BULKHEAD
Witham	1115011601	blandica	2011	2011	0.10	4	5			Surface	,	,		1165	210111	breps	
Library	First floor	Staff area	6FT T8	70w	840	1	1	1		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	6FT LED BATTEN FITTING
Witham										Surface							
Library	First floor	Staff area	5FT T5	35w	840	2	2	4		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	5FT LED BATTEN FITTING
Witham						_										-	
Library	First floor	Staff area	5FT T8	58w	840	2	2	4		suspended	N/A	N/A	N/A	Tiles	2.3M	Steps	5FT LED BATTEN FITTING
Witham Library	First floor	Staff area	8FT T12	125w	840	1	2	2		Surface mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	6FT LED BATTEN FITTING
Witham	11311001	Stati ared	112	TZJW	040	T	2	2		Surface	11/74	11/74	11/74	11105	2.3101	Jieps	OFFILLD DATILINTITIING
Library	First floor	Staff area	6FT T8	70w	840	2	5	10		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	6FT LED BATTEN FITTING
Witham							1			Surface					1		
Library	First floor	Stairs	4FT T8	36w	840	1	10	10		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	4FT LED BATTEN FITTING
Witham		D.Sayers								Surface							
Library	First floor	centre	6FT T8	70w	840	2	3	6		mounted	N/A	N/A	N/A	Tiles	2.3M	Steps	6FT LED BATTEN FITTING

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Witham			2D						1	Surface							
Library	First floor	Staff room	28W	28w	840	1	6	6		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	LUCECO LED BULKHEAD
Witham			2D							Surface							
Library	First floor	Staff toilets	28W	28w	840	1	2	2		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	LUCECO LED BULKHEAD
Witham										Surface							
Library	First floor	Staff toilets	4FT T8	36w	840	2	2	4		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	4FT LED BATTEN FITTING
Witham										Surface							
Library	First floor	Staff toilets	4FT T8	36w	840	1	1	1		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	4FT LED BATTEN FITTING
Witham			GLS							Surface							
Library	First floor	Staff toilets	60W	60w	840	1	2	2		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	LED DOWNLIGHTER
Witham			2D							Surface							
Library	First floor	Toilets	16W	16w	840	1	3	3		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	LUCECO LED BULKHEAD
Witham			4FT							Surface							
Library	First floor	Toilets	T12	40w	840	2	3	6		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	4FT LED BATTEN FITTING
Witham	Second	Computer								Surface							
Library	floor	room	6FT T8	70w	840	2	4	8		mounted	N/A	N/A	N/A	N/A	2.3M	Steps	6FT LED BATTEN FITTING

Pricing and energy savings:

Witham Library

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£ 16,763.85	
Existing Load	24.00	kW
Proposed Load	7.27	kW
Existing Consumption	67397.62	kWh
Proposed Consumption	20411.35	kWh
Saving	46986.26	kWh
CO2 Reduction	25.57	Tonnes
Energy Saving	£5,168.49	
Carbon Commitment Saving	£424.46	
Climate Change Levy Saving	£266.88	
TOTAL SAVING	£5,859.83	

Item	Qty		Unit		Total
LED Panel	111	£	69.46	£	7,709.65
Luceco LED Bulkhead	14	£	48.31	£	676.39
4FT LED BATTEN FITTING	18	£	71.00	£	1,277.99
5FT LED BATTEN FITTING	7	£	76.88	£	538.19
6FT LED BATTEN FITTING	44	£	88.66	£	3,900.88
LED Downlighter	3	£	45.60	£	136.80
Access	1	£	833.33	£	833.33
LED Panel E3	12	£	140.88	£	1,690.62
Total				£	16,763.85

Rayleigh Library

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	11,864.30	
Existing Load		17.18	kW
Proposed Load		5.14	kW
Existing Consumption		48227.40	kWh
Proposed Consumption		14435.93	kWh
Saving		33791.47	kWh
CO2 Reduction		18.39	Tonnes
Energy Saving		£3,717.06	
Carbon Commitment Saving		£305.26	
Climate Change Levy Saving		£191.94	
TOTAL SAVING		£4,214.26	
Payback on project without finance, with VAT		2.82	Years

ltem	Qty		Unit		Total
LED Panel	99	£	69.46	£	6,876.18
Luceco LED Bulkhead	8	£	48.31	£	386.51
5FT LED BATTEN FITTING	22	£	76.88	£	1,691.47
6FT LED BATTEN FITTING	12	£	88.66	£	1,063.88
LED Downlighter	3	£	45.60	£	136.80
LED Panel E3	9	£	140.88	£	1,267.96
LED Bulkhead E3	2	£	146.60	£	293.20
5FT Batten fitting E3	1	£	148.31	£	148.31
Total				£	11,864.30

Mulberry Tree

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	4,728.98	
Existing Load		3.86	kW
Proposed Load		2.52	kW
Existing Consumption		10845.90	kWh
Proposed Consumption		7076.16	kWh
Saving		3769.74	kWh
CO2 Reduction		2.05	Tonnes
Energy Saving		£414.67	
Carbon Commitment Saving		£34.05	
Climate Change Levy Saving		£21.41	
TOTAL SAVING		£470.14	

Payback on project without finance, with VAT 10.06 Years

ltem	Qty		Unit		Total
Luceco LED Bulkhead	3	£	48.31	£	144.94
2FT LED BATTEN FITTING	2	£	65.11	£	130.23
4FT LED BATTEN FITTING	14	£	71.00	£	993.99
5FT LED BATTEN FITTING	45	£	76.88	£	3,459.82
Total				£	4,728.98

Goodman House

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	52,977.99	
Existing Load		58.59	kW
Proposed Load		19.09	kW
Existing Consumption		164509.49	kWh
Proposed Consumption		53590.68	kWh
Saving		110918.81	kWh
CO2 Reduction		60.36	Tonnes
Energy Saving		£12,201.07	
Carbon Commitment Saving		£1,002.01	
Climate Change Levy Saving		£630.02	
TOTAL SAVING		£13,833.10	
Payback on project without finance, with VAT		3.83	Years

ltem	Qty		Unit		Total
LED Panel	499	£	69.46	£	34,658.72
6FT LED BATTEN FITTING	5	£	88.66	£	443.28
LED Downlighter	47	£	45.60	£	2,143.16
LED Panel E3	109	£	140.88	£	15,356.46
Downlighter E3	3	£	125.46	£	376.37
Total				£	52,977.99

County Hall

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	37,893.33	
Existing Load		48.15	kW
Proposed Load		16.66	kW
Existing Consumption		135193.69	kWh
Proposed Consumption		46793.07	kWh
Saving		88400.61	kWh
CO2 Reduction		48.11	Tonnes
Energy Saving		£9,724.07	
Carbon Commitment Saving		£798.59	
Climate Change Levy Saving		£502.12	
TOTAL SAVING		£11,024.77	
Payback on project without finance, with VAT		3.44	Years

ltem	Qty		Unit		Total
LED Panel	230	£	69.46	£	15,974.96
4FT LED BATTEN FITTING	68	£	71.00	£	4,827.95
5FT LED BATTEN FITTING	28	£	76.88	£	2,152.78
6FT LED BATTEN FITTING	88	£	88.66	£	7,801.76
LED Downlighter	79	£	45.60	£	3,602.34
LED Panel E3	23	£	140.88	£	3,240.35
LED Bulkhead E3	2	£	146.60	£	293.20
Total				£	37,893.33

Billericay

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	13,166.77	
Existing Load		19.34	kW
Proposed Load		5.78	kW
Existing Consumption		54296.89	kWh
Proposed Consumption		16238.66	kWh
Saving		38058.23	kWh
CO2 Reduction		20.71	Tonnes
Energy Saving		£4,186.41	
Carbon Commitment Saving		£343.81	
Climate Change Levy Saving		£216.17	
TOTAL SAVING		£4,746.38	
Payback on project without finance, with VAT		2.77	Years

ltem	Qty		Unit		Total
LED Panel	133	£	69.46	£	9,237.69
Luceco LED Bulkhead	12	£	48.31	£	579.76
5FT LED BATTEN FITTING	5	£	76.88	£	384.42
6FT LED BATTEN FITTING	24	£	88.66	£	2,127.75
LED Downlighter	6	£	45.60	£	273.60
LED Panel E3	4	£	140.88	£	563.54
Total				£	13,166.77

Clacton

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	18,328.57	
Existing Load		19.14	kW
Proposed Load		7.47	kW
Existing Consumption		53733.33	kWh
Proposed Consumption		20972.95	kWh
Saving		32760.37	kWh
CO2 Reduction		17.83	Tonnes
Energy Saving		£3,603.64	
Carbon Commitment Saving		£295.95	
Climate Change Levy Saving		£186.08	
TOTAL SAVING		£4,085.67	
Payback on project without finance, with VAT		4.49	Years

ltem	Qty		Unit		Total
LED Panel	64	£	69.46	£	4,445.21
Luceco LED Bulkhead	3	£	48.31	£	144.94
LED TRACK MOUNTED SPOT	6	£	108.14	£	648.85
4FT LED BATTEN FITTING	11	£	71.00	£	780.99
5FT LED BATTEN FITTING	60	£	76.88	£	4,613.10
6FT LED BATTEN FITTING	28	£	88.66	£	2,482.38
LED Downlighter	24	£	45.60	£	1,094.38
LED Panel E3	7	£	140.88	£	986.19
LED Bulkhead E3	17	£	146.60	£	2,492.19
6FT Batten fitting E3	4	£	160.08	£	640.34
Total				£	18,328.57

Braintree

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	13,035.46	
Existing Load		9.84	kW
Proposed Load		2.92	kW
Existing Consumption		27642.79	kWh
Proposed Consumption		8210.59	kWh
Saving		19432.20	kWh
CO2 Reduction		10.58	Tonnes
Energy Saving		£2,137.54	
Carbon Commitment Saving		£175.55	
Climate Change Levy Saving		£110.37	
TOTAL SAVING		£2,423.46	
Payback on project without finance, with VAT		5.38	Years

ltem	Qty		Unit		Total
LED Panel	28	£	69.46	£	1,944.78
Luceco LED Bulkhead	18	£	48.31	£	869.64
2FT LED BATTEN FITTING	54	£	65.11	£	3,516.13
4FT LED BATTEN FITTING	28	£	71.00	£	1,987.98
5FT LED BATTEN FITTING	4	£	76.88	£	307.54
LED Downlighter	12	£	45.60	£	547.19
Access	1	£	833.33	£	833.33
LED Panel E3	9	£	140.88	£	1,267.96
LED Bulkhead E3	11	£	146.60	£	1,612.59
5FT Batten fitting E3	1	£	148.31	£	148.31
Total				£	13,035.46

Overall

SUMMARYS OF INVESTMENT & PAYBACK

Net Cost of Energy Efficiency Project	£	168,759.25	
Existing Load		200.09	kW
Proposed Load		66.86	kW
Existing Consumption		561847.10	kWh
Proposed Consumption		187729.40	kWh
Saving		374117.70	kWh
CO2 Reduction		203.59	Tonnes
Energy Saving		£41,152.95	
Carbon Commitment Saving		£3,379.67	
Climate Change Levy Saving		£2,124.99	
TOTAL SAVING		£46,657.61	
Payback on project without finance, with VAT		3.62	Years

ltem	Qty	Unit		Unit	
LED Panel	1164	£	69.46	£	80,847.19
Luceco LED Bulkhead	58	£	48.31	£	2,802.18
LED TRACK MOUNTED SPOT	6	£	108.14	£	648.85
2FT LED BATTEN FITTING	56	£	65.11	£	3,646.36
4FT LED BATTEN FITTING	139	£	71.00	£	9,868.89
5FT LED BATTEN FITTING	171	£	76.88	£	13,147.32
6FT LED BATTEN FITTING	201	£	88.66	£	17,819.93
LED Downlighter	174	£	45.60	£	7,934.26
LED Panel E3	173	£	140.88	£	24,373.09
LED Bulkhead E3	32	£	146.60	£	4,691.17
Downlighter E3	3	£	125.46	£	376.37
5FT Batten fitting E3	2	£	148.31	£	296.63
6FT Batten fitting E3	4	£	160.08	£	640.34
Total				£	168,759.25

Ideal delivery partner

We are committed to working with you to develop a solution which is in keeping with your own bespoke objectives.

I hope that this has provided you with the information that you need in order to progress the opportunity and I look forward to discussing this with you in the near future.

Please do not hesitate to contact me should you require any further information.

Kind Regards

Steve Hemsworth

Steve Hemsworth,

Business Development Manager,

Phone: 07771530980

Email: <u>Steve.hemsworth@mitie.com</u>

- → Quotation remains valid for 30 days from issue
- \rightarrow Prices quoted are exclusive of VAT
- → Invoice will be raised on completion and payment terms are 30 days.
- → Mitie's standard terms & conditions of sale apply.



to contact us....

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