

Job Ref: Residential home
Date: 27.10.2017

All Floors

Purple rows to be confirmed

Ground Floor

Entrance Hall

Circuit	Type	Description	Fitting Wattage	Q	Sub-load (W)	Load (W)	Total Load (W) / area	Control System / Conventional	No. of switch ways	Switched/ Dimmed	Type of dimming	Refer to Note No.
1	A1	Adjustable downlight	11.4	20		228		Control		1 way D - 1 way S	Mains	1
2	H1	Pendant	60	1		60		Control		1 way D - 1 way S	Mains	4
Total (W):							288					

Study

Circuit	Type	Description	Fitting Wattage	Q	Sub-load (W)	Load (W)	Total Load (W) / area	Control System / Conventional	No. of switch ways	Switched/ Dimmed	Type of dimming	Refer to Note No.
1	5Amp 5Amp floor	5Amp wall socket 5Amp floor box	60 120	6 1	360 120	480		Conventional	2	D	1 way D - 1 way S	4
2	H2	Pendant	60	1		60		Conventional	1	D	Mains	4
3	C	Linear LED 17.6w/m IP20	17.6	3.5		61.6		Conventional	1	D	1-10V	2
Total (W):							601.6					

Drawing room

Circuit	Type	Description	Fitting Wattage	Q	Sub-load (W)	Load (W)	Total Load (W) / area	Control System / Conventional	No. of switch ways	Switched/ Dimmed	Type of dimming	Refer to Note No.
1	i	Wall light TBC	5	6		30		Control		D	Mains	4
2	5Amp 5Amp floor	5Amp wall socket 5Amp floor box	60 120	5 2	300 240	540		Control		D	Mains	4
3	H3	Pendant	60	1		60		Control		D	Mains	4
Total (W):							630					

Kitchen

Circuit	Type	Description	Fitting Wattage	Q	Sub-load (W)	Load (W)	Total Load (W) / area	Control System / Conventional	No. of switch ways	Switched/ Dimmed	Type of dimming	Refer to Note No.
1	C	Linear LED 17.6w/m IP20	17.6			0		Control		D	1-10V	2
2	H	Pendant TBC		1		0		Control		D	Mains	4
3	H	Pendant TBC		1		0		Control		D	Mains	4
4	G	Surface mounted spotlight	11.4	14		159.6		Control		D	Mains	5
5	E1	Inground uplight 4w	4	2		8		Control		S		3
6	C	Linear LED 17.6w/m IP20	17.6	2.5		44		Control		D	1-10V	2
7	D	Linear LED 17.6w/m IP65	17.6	2.5		44		Control		D	1-10V	2
Total (W):							255.6					

NOTES

- 1) **Local or integral driver/transformer**
One driver per fitting.
Note: If mains dimming all dimmers used must be confirmed as fully compatible with LED loads specified.
Note: If 1-10v dimming allow from dimmer or dimmer rack beldon pair to each driver as well as switch supply.
If using DALI dim gear allow for wiring DALI pair in addition to power
- 2) **Constant Voltage ...**
Driver position 10 m max from the start of each run.
Parallel wire from driver to each run.
Note: If mains dimming all dimmers used must be confirmed as fully compatible with LED loads specified.
If 1-10v dimming allow from dimmer or dimmer rack beldon pair to each driver as well as switch supply.
If DALI dimming include a DALI pair in addition to power

- 3) **Constant current...**
from remote driver wire in series to fittings.
Driver distance to start of each run 50m max.
Check max loading of driver (more than one driver per switched circuit may be required)
Drivers may be 350 or 700ma correct mille ampage must be used.
Note: If mains dimming all dimmers used must be confirmed as fully compatible with LED loads specified.
If 1-10v dimming allow from dimmer or dimmer rack beldon pair to each driver as well as switch supply.
If DALI dimming include a DALI pair in addition to power
- 4) **240 voltage fittings.**
Note: If mains dimming all dimmers used must be confirmed as fully compatible with loads specified.
Load types; GLS lamps, mains halogen, mains LED lamps, compact fluorescent lamps