

## SHUTTLE DIMMERS MAXIMUM LAMP LOADS

Version: 01 June 2022

225W, 500W & 800W Rotary, 125W, 250W, 500W & 800W Bell-press

**Notes:** - All Shuttle universal dimmers are factory default in trailing edge mode since trailing edge dimming is recommended for most dimmable LED's and drivers

- In cases of a specific LED being listed for leading and trailing edge, the leading edge data was requested by the supplier

- If the LED or dimmer supplier does not provide measured data, calculate the maximum number of LED's per dimmer as follows:

$$\text{Max. number of LED's per dimmer} = \frac{\text{Dimmer Max. rating (W/VA)}}{\text{LED's equivalent GLS/Halogen wattage}}$$

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required)

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
1	ACDC Dynamics	TP-DC-10W E27	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
2	ACDC Dynamics	DIM-R68-8W-CW E27	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
3	ACDC Dynamics	DIM-R68-8W-WW E27	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
4	ACDC Dynamics	DIM-A60-S10W-E27-CW	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
5	ACDC Dynamics	BF-T45-S E27 Filament	2.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
6	ACDC Dynamics	GL-P12WA-CW Panel Light	12.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
7	ACDC Dynamics	DIM-R50-6W-CW	6.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
8	ACDC Dynamics	AS-C35-ST E14 Filament	2.0	Internal	Trailing Edge	1 - 28	1 - 48	1 - 53	1 - 103	1 - 182
9	ACDC Dynamics	BF-C35-Q Filament Lamp (candle)	2.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
10	ACDC Dynamics	BF-C35-Q Decor Lamp (candle)	2.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 85	1 - 151
11	ACDC Dynamics	LEDA35E-WW	4.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
12	ACDC Dynamics	DIM-MS-GU10-5W-CW	5.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
13	ACDC Dynamics	DIM-KL-GU10-7W-CW	7.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
14	ACDC Dynamics	LCM8106-60DIM-WW PAR38	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
15	ACDC Dynamics	LCM8106-60DIM-CW PAR38	18.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 23
16	ACDC Dynamics	DIM-PAR30-12W-CW	12.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
17	ACDC Dynamics	LCM8106-160DIM-CW PAR38	18.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 23
18	ACDC Dynamics	DIM-PAR20-10W-CW	10.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29
19	ACDC Dynamics	LEDC35E-E27-CW Candle	3.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
20	ACDC Dynamics	LEDC35E-E27 (Candle)	3.5	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
21	ACDC Dynamics	LEDC212-CW	3.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
22	ACDC Dynamics	DIM-GU10-35-60-CW	4.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required)

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
23	ACDC Dynamics	DIM-GU10-5W-CW (1x sample)	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
24	ACDC Dynamics	DIM-KL-MR16-7W-CW	7.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
25	ACDC Dynamics	DIM-MR16-GW-CW	4.0	External (LW70)	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
26	ACDC Dynamics	DIM-MR16-35-60-DL	4.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
27	ACDC Dynamics	DIM-MR16-35-60-CW	4.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
28	ACDC Dynamics	DIM-MR16-35-60-CW-230	4.0	External (LW70)	Trailing Edge	1 - 35	1 - 60	1 - 67	1 - 130	1 - 231
29	ACDC Dynamics	DIM-GU10-5W-DL-5Y	5.0	Internal	Trailing Edge	2 - 13	2 - 23	2 - 25	2 - 48	2 - 86
30	ACDC Dynamics	TP-DL-10W E27	10.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
31	ACDC Dynamics	G9 Lamp DIM-G9-3W-CW/2	3.0	Internal	Trailing Edge	1 - 27	1 - 47	1 - 52	1 - 102	1 - 181
32	ACDC Dynamics	Candle Lamp LEDC35L-E14-CW	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 63	1 - 111
33	ALT LED (Aeon)	T8 Tube V4 T03RNP23ES-19	22.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
34	ALT LED (Aeon)	T8 Tube V4 T03RNP46ES-19	46.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 7	1 - 12
35	ALT LED (Aeon)	V2.5 GU10/GZ10	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
36	ALT LED (Aeon)	MR16 7W	7.0	Pharox Transformer	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
37	AL TSA	TL DL 610W 40KC	10.0	AL TSA 300mA driver	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
38	AL TSA	TL DL 630W 40KC	30.0	AL TSA 750mA driver	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 7	1 - 13
39	Apollo	TSL91E164D A80 (E27)	7.0	Internal	Trailing Edge	2 - 7	2 - 12	2 - 13	2 - 27	2 - 48
40	Apollo	TSL91E165D A80 (E27)	10.0	Internal	Trailing Edge	2 - 6	2 - 11	2 - 12	2 - 24	2 - 43
41	Applo	DIM MR16 GU10	5.0	Internal	Trailing Edge	2 - 14	2 - 23	2 - 26	2 - 51	2 - 91
42	Applo	GU10 5W	5.0	Internal	Trailing Edge	2 - 15	2 - 26	2 - 29	2 - 56	2 - 99
43	Aurora	Candle E14	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
44	Aurora	PAR16 GU10 (AU-DGU106A/30)	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
45	Aurora	PAR16 GU10	6.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
46	Aurora	PAR16 GU10 (FLG GU10WD)	6.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 58
47	Aurora	PAR16 GU10 (FLG GU10WD)	6.0	Internal	Leading Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 14
48	Aurora	FLCDL19CD	19.0	Aurora 19W LED driver	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
49	Aurora	PAR16 GU10 (AU-DGU1040W/30)	4.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22
50	Aurora	PAR16 GU10 (AU-DGU1085/30)	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
51	Aurora	PAR16 GU10 (AU-DGU1085/40)	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
52	Aurora	AU-DL10013AW/30	13.0	Aurora AU-ALDD4015	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
53	Aurora	AU-DL10019AW/30	19.0	Aurora AU-ALDD4019	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 26
54	Aurora	AU-MPRO/40 – Fire Downlight	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
55	Aurora	EN-DGU1005/40	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
56	Aurora	EN-DGU1005/27	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
57	Aurora	EN-DDL101/27	8.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
58	Aurora	EN-DGU004/30 – GU10 400lm	4.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
59	Aurora	EN-DGU004/40 – GU10 520lm	4.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
60	Aurora	EN-DGU005/27 – GU10 480lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
61	Aurora	EN-DGU005/30 – GU10 520lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
62	Aurora	EN-DGU005/40 – GU10 520lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
63	Aurora	EN-DGU005H/27 – GU10 400lm	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
64	Aurora	EN-DGU005H/40 – GU10 440lm	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
65	Aurora	EN-DGU053/30 – GU10 500lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
66	Aurora	EN-DGU1024/30 – 24deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
67	Aurora	EN-DGU1024/40 – 24deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
68	Aurora	EN-DGU1024H/40 – 24deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
69	Aurora	EN-DGU1038/30 - 38deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
70	Aurora	EN-DGU1038/40 - 38deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
71	Aurora	EN-DGU1038H/40 - 38deg GU10	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
72	Aurora	EN-DGLSE279/27 -GLS E27 810lm	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
73	Aurora	EN-DGLSB229/27 -GLS B22 810lm	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
74	Aurora	EN-DCNDE145/27 -Candle E14 400lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
75	Aurora	EN-DCNDE275/27 -Candle E27 400lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
76	Aurora	EN-DCNDB225/27 -Candle B22 400lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
77	Aurora	EN-DG45E145/27 -Golf Ball E14 370lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
78	Aurora	EN-DG45E275/27 -Golf Ball E27 370lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
79	Aurora	EN-DG45B225/27 -Golf Ball B22 400lm	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
80	Aurora	EN-DE6PRO/40 -IP65 Fixed Fire Rated Downlight	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
81	Aurora	EN-DE8/40 -LED Alum. IP65 fixed Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
82	Aurora	EN-DE82W/40 -LED Alum. Adj. Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
83	Aurora	EN-DE82MW/40 -LED Alum. Adj. Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
84	Aurora	EN-DDL413/40 -High Performance Downlight	13.0	EN-DDL413 driver	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
85	Aurora	EN-DDLH413/40 -High Performance Downlight	13.0	EN-DDLH413 driver	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
86	Aurora	EN-DDL618/40 -High Performance Downlight	18.0	EN-DDL618 driver	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
87	Aurora	EN-DDLH618/40 -High Performance Downlight	18.0	EN-DDLH618 driver	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
88	Aurora	EN-DDL818/40 -High Performance Downlight	18.0	EN-DDL818 driver	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
89	Aurora	EN-DDLH818/40 -High Performance Downlight	18.0	EN-DDLH818 driver	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
90	Aurora	EN-DDLH825/35 -High Performance Downlight	25.0	EN-DDLH825 driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 14
91	Aurora	EN-DDLH825/40 -High Performance Downlight	25.0	EN-DDLH825 driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 14
92	Aurora	EN-DDL840/40 -Fixed dimmable Downlight	40.0	EN-DDL840 driver	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 6	1 - 12
93	Aurora	EN-DDLH840/40 -High Performance Downlight	40.0	EN-DDLH840 driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 15
94	Aurora	EN-DDLH1045/40 -High Performance Downlight	45.0	EN-DDLH1045 driver	Trailing Edge	1 - 1	1 - 2	1 - 2	1 - 5	1 - 10
95	Aurora	EN-DDL10/40 -3in Round Downlight	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
96	Aurora	EN-DDL15/40 -4in Round Downlight	15.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
97	Aurora	EN-DDL20/40 -6in Round Downlight	20.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 28
98	Aurora	EN-DDL25/40 -8in Round Downlight	25.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 24
99	Aurora	EN-DLB071D/30 -IP44 10mm Baffle Downlight	7.0	EN-DLB071D driver	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
100	Aurora	EN-DLB071D/40 -IP44 10mm Baffle Downlight	7.0	EN-DLB071D driver	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
101	Aurora	EN-DLB072D/40 -IP44 20mm Baffle Downlight	7.0	EN-DLB072D driver	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
102	Aurora	EN-DLB101D/30 -IP44 10mm Baffle Downlight	10.0	EN-DLB101D driver	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
103	Aurora	EN-DLB101D/40 -IP44 10mm Baffle Downlight	10.0	EN-DLB101D driver	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
104	Aurora	EN-DLB102D/40 -IP44 20mm Baffle Downlight	10.0	EN-DLB102D driver	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
105	Aurora	EN-DDLCX10 -IP54 3in1 Colour Switch Downlight	10.0	EN-DDLCX10 driver	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 70
106	Aurora	EN-DLSMR08T/30 -IP54 Round Downlight	8.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
107	Aurora	EN-DLSMR08T/40 -IP54 Round Downlight	8.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
108	Aurora	EN-DLSMR15T/40 -IP54 Round Downlight	15.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
109	Aurora	EN-DLSMR18T/40 -IP54 Round Downlight	18.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
110	Aurora	EN-PL06B/30 - Round Panel lamp	6.0	EN-PLDD06B	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
111	Aurora	EN-PL09B/30 - Round Panel lamp	9.0	EN-PLDD09B	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
112	Aurora	EN-LEDD15024 24V constant voltage driver	150.0	na	Trailing Edge	0	0	0	1 - 2	1 - 3
113	Afrison	Floodlight 10W	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
114	Brightgreen	PR700 MR16	10.0	External	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
115	Brightlux	GU10 Spot	4.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
116	Brightlux	GU10 (092917D)	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
117	Brightlux	GU10	5.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 6	1 - 11
118	Brightlux	GU10 (GNH-AC-GU10-5W-B)	5.0	Internal	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 70	1 - 123
119	Bright Star	Bulb LED 108 G4 (12VAC/DC)	1.5	Verbatim LW70	Trailing Edge	1 - 69	1 - 120	1 - 133	1 - 257	1 - 456
120	Bright Star	Bulb LED 109 G4 (12VAC/DC)	1.5	Verbatim LW70	Trailing Edge	1 - 69	1 - 120	1 - 133	1 - 257	1 - 456
121	Bright Star	Bulb LED 110 G9	3.5	Internal	Trailing Edge	2 - 26	2 - 44	2 - 49	2 - 95	2 - 169
122	Bright Star	Bulb LED 111 G9	3.5	Internal	Trailing Edge	2 - 26	2 - 44	2 - 49	2 - 95	2 - 169
123	Bright Star	Bulb LED 128 GU10	5.0	Internal	Trailing Edge	2 - 14	2 - 23	2 - 26	2 - 51	2 - 91
124	Bright Star	Bulb LED 128 GU10	5.0	Internal	Leading Edge	2 - 11	2 - 19	2 - 21	2 - 40	2 - 72
125	Bright Star	Bulb LED 145 GU10	5.0	Internal	Trailing Edge	2 - 15	2 - 26	2 - 29	2 - 57	2 - 101
126	Bright Star	Bulb LED 190 Candle	4.5	Internal	Trailing Edge	2 - 18	2 - 31	2 - 34	2 - 66	2 - 116
127	Bright Star	Bulb LED 191 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
128	Bright Star	Bulb LED 192 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
129	Bright Star	Bulb LED 193 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
130	Bright Star	Bulb LED 194 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
131	Bright Star	Bulb LED 195 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
132	Bright Star	Bulb LED 196	6.0	Internal	Trailing Edge	2 - 14	2 - 24	2 - 27	2 - 52	2 - 92
133	Bright Star	Bulb LED 230 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
134	Bright Star	Bulb LED 231 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
135	Bright Star	Bulb LED 232 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
136	Bright Star	Bulb LED 233 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
137	Bright Star	Bulb LED 234 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
138	Bright Star	Bulb LED 235 Candle	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130

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NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
139	Bright Star	Bulb LED 236 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
140	Bright Star	Bulb LED 237 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
141	Bright Star	Bulb LED 238 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
142	Bright Star	Bulb LED 239 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
143	Bright Star	Bulb LED 240 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
144	Bright Star	Bulb LED 241 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
145	Bright Star	Bulb LED 242 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
146	Bright Star	Bulb LED 243 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
147	Bright Star	Bulb LED 244 Bulb	4.5	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
148	Bright Star	Bulb LED 245	8.0	Internal	Trailing Edge	2 - 12	2 - 21	2 - 23	2 - 44	2 - 78
149	Bright Star	Bulb LED 246 Bulb	8.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
150	Bright Star	Bulb LED 247 Bulb	8.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
151	Bright Star	Bulb LED 248 Bulb	8.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
152	Bright Star	DL703 Panel LED lamp	12.0	XT-8-12W-1806 diver	Trailing Edge	2 - 5	2 - 9	2 - 10	2 - 20	2 - 35
153	Brillance	I4Light 5W GU10	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
154	Calex	421594 LED Lamp 1020lm	12.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
155	Calex	425414 Filament Rustic 320lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
156	Calex	425464 Filament Globe 320lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
157	Calex	425468 Filament Globe 650lm	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
158	Calex	425484 Filament Globe 320lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
159	Calex	425491 Filament Tube 310lm	3.5	Internal	Trailing Edge	1 - 25	1 - 42	1 - 47	1 - 91	1 - 162
160	Calex	425492 Filament Tube 320lm	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
161	Calex	425493 Filament Tube 400lm	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
162	Calex	425496 Filament Tube 350lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
163	Calex	425732 Filament Flex GLS 200lm	4.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
164	Calex	425782 Filament Globe 200lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
165	Calex	474483 Filament Spherical 350lm	3.5	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
166	Calex	474484 Filament Spherical 350lm	4.0	Internal	Trailing Edge	1 - 25	1 - 42	1 - 47	1 - 91	1 - 162
167	Calex	474490 Filament Candle 350lm	3.5	Internal	Trailing Edge	1 - 25	1 - 42	1 - 47	1 - 91	1 - 162

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
168	Calex	474509 Filament GLS 810lm	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
169	Calex	474510 Filament GLS 810lm	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
170	Calibre LED	PAR20 E27 40D Dim	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
171	Candela	GU10 short	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
172	Citizen	COB Series	17.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
173	Daylight Lighting	LED Stixx lamp (830) WW ES/BC	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
174	Daylight Lighting	LED Stixx lamp (865) daylight ES/BC	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
175	Daylight Lighting	LED GU10 DDL018	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
176	Daylight Lighting	LED GU10 DDL020	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
177	Daylight Lighting	LED Candle DDL035	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
178	Daylight Lighting	LED Candle DDL036	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
179	Diall LED	5W GU10	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
180	Diall LED	Candle B22 470lm	5.9	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
181	Diall LED	Candle E14 470lm	6.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
182	Diall LED	Bulb B22 1521lm	14.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
183	DK Lighting	GU10 CL-0002	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
184	Duracell	Candle	3.5	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
185	Duracell	Candle	3.5	Internal	Leading Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
186	Duracell	Mini Globe	3.5	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
187	Duracell	Mini Globe	3.5	Internal	Leading Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
188	Duracell	A-Shape	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
189	Duracell	A-Shape	6.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
190	Duracell	GU10 Spot (Al housing)	5.0	Internal	Leading Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
191	Duracell	GU10 Spot (Plastic housing)	5.0	Internal	Leading Edge	1 - 5	1 - 8	1 - 9	1 - 17	1 - 31
192	Eagle Lighting	GU10 GTL084	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
193	Eagle Lighting	GU10 WXX914	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
194	Eagle Lighting	GU10 WXX915	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
195	Eagle Lighting	GU10 WXX900 (Dim to warm)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
196	Eagle Lighting	LED downlight WXX102	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
197	Eagle Lighting	LED grille light KK1919	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 65
198	Eagle Lighting	LED downlight KK1936/D	12.0	Osram OTE 13 350mA	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
199	Eagle Lighting	LED downlight Module KK1942	8.0	KOE KLP8-120D 120mA	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
200	Eagle Lighting	LED downlighter KK1966/D-9D	9.0	KOE KLP500x6D 500mA	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
201	Eagle Lighting	LED downlighter KK1967/D-9D	9.0	KOE KLP500-10D 500mA	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
202	Eagle Lighting	LED downlight JIN200	10.0	Actec D2309NT-N3 230mA	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
203	Eagle Lighting	LED downlight L-CL-0107 WXX103	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
204	Eagle Lighting	Round LED downlight TLQS4C	6.0	Eagle 6W dimmable driver	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
205	Earth Power	Black Max GU10	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
206	EcoLED	GU10	5.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
207	EcoLED	GU10 DIM	5.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
208	EcoLED	GU10 DIM	7.0	Internal	Leading Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
209	EcoLED	GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
210	EcoLED	GU10	9.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
211	EcoLED	MR16 3W	3.0	Pharox Transformer	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 70
212	EcoLED	MR16 6W	6.0	Pharox Transformer	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
213	Ellies	FLGU10C (non-dimmable)	3.5	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 104
214	Ellies	FLGU10C (non-dimmable)	4.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
215	Ellies	FLGU10CD	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95
216	Ellies	FL24W15T8DL (non-dimmable)	24.0	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
	Enlite	See Aurora above								
217	Enviro-Bulb	E55-GU-35WWD (GU10 3000K) 90059	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
218	Enviro-Bulb	E55-GU-35CWD (GU10 4000K) 90060	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
219	Enviro-Bulb	E55-GU-35DWD (GU10 5000K) 90061	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
220	Enviro-Bulb	E55C-E14-WWD (E14 2700K) 90038	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
221	Enviro-Bulb	E55C-E27-WWD (E27 2700K) 90039	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
222	Enviro-Bulb	E55C-B22-WWD (B22 2700K) 90043	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
223	Eurolux	G727CW-LED-GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
224	Eurolux	G478CW GU10 Classic	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83



### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
225	Eurolux	G1036CW GU10 Premium	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
226	Eurolux	G1039CW B22 Premium Globe	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
227	Eurolux	G1040CW E27 Premium Globe	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
228	Eurolux	G1037SWW Candle GU10 Premium	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
229	Eurolux	G1038EWW E27 Premium Globe	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 86
230	Eurolux	Candle G977	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
231	Eurolux	Candle G952	6.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 61	1 - 108
232	Eurolux	Carbon Filament E27	60.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 4	1 - 8	1 - 13
233	Flash	GU10 (600 969 636 8382)	7.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
234	Flash	GU10 (600 969 636 9945)	7.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
235	Flash	LED Filament ST64 Pear E27	4.0	Internal	Trailing Edge	1 - 28	1 - 49	1 - 54	1 - 105	1 - 187
236	Futurelight	GU10 5W Spot	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
237	GAP	SMD LED GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
238	GC	GU10 (LED CUP)	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
239	GC	GU10 VLC-1005Z	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
240	GC	GU10 LED Spot Light	6.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
241	GE	GU10	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
242	GE	Candle E14 270lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
243	Genesis One	GU10D63	6.3	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
244	Genesis One	GU10D7	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
245	Genesis One	CAND5/27/E14 (Filament Candle)	5.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 58	1 - 103
246	Genstar	GEN5WGU10	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
247	Genstar	GEN7WGU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
248	GEP Power	GU10 460lm	6.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
249	GEP Power	GU10 556lm	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
250	G Light	GU10 36D	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 63
251	G Light	GU10 36D 4000K	6.5	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
252	G Light	GU10 36D ECO 4000K	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
253	Giantlight	LED Panel, AC 72x LED's	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 10	1 - 17

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
254	GL Lighting	LED Tube T8G06-524-3	24.0	Internal	Leading Edge	1 - 1	1 - 2	1 - 2	1 - 4	1 - 7
255	Hi-Tech	FXCGU10	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
256	Havells	BrightFill Filament Candle	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
257	Havells	BrightFill Filament A60	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
258	Havells	GU10 865 Dim	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
259	Hoi P'loy	Petite Pear Incandescent (LB-PP-11W)	11.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
260	Hoi P'loy	Vintage Edison filament spiral	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
261	Hoi P'loy	Vintage Edison filament squirrel cage	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
262	Hoi P'loy	Vintage Edison filament classic spiral (small)	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
263	Hoi P'loy	Vintage Edison filament squirrel cage (medium)	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
264	Huayi	SAGU02073	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
265	InterEnergy	GU10 "Silver"	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
266	InterEnergy	GU10 "White"	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
267	InterEnergy	K50	12.0	External (K50 Driver)	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
268	InterEnergy	G50	8.0	External (G50 Driver)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
269	InterEnergy	B80	12.0	External (B80 Driver)	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
270	Johnson	GU10 (WW & CW)	6.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
271	K. Light	GU10 (COB 550lm)	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
272	K. Light	Filament Bulb UF-L01761-D	4.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
273	Krillux	GUL016 GU10 Glass 3000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
274	Krillux	GUL017 GU10 Glass 4000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
275	Krillux	GUL018 GU10 Glass 6000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
276	Krillux	GUL023 GU10 3000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
277	Krillux	GUL024 GU10 4000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
278	Krillux	GUL025 GU10 6000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
279	Krillux	LEC007 LED G9 GLASS 3000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
280	Krillux	LEC008 LED G9 GLASS 4000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
281	Krillux	LEC009 LED G9 GLASS 6000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
282	Krillux	GU10 EVE001	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
283	Krillux	PEG005 E27 LED PEAR AMBER 2200K	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
284	Krillux	OPG007 E27 LED OPALINA AMBER 2200K G95	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
285	Krillux	OPG008 E27 OPALINA FILAMENT 3000K G125	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
286	Krillux	OPG009 E27 OPALINA FILAMENT 4000K G125	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
287	Krillux	CAP010 Candle E14 3000K	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
288	Krillux	CAP011 Candle E14 4000K	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
289	Krillux	CAG021 E14 CANDLE FILAMENT 3000K.	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
290	Krillux	CAG021 E14 CANDLE FILAMENT 4000K	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
291	Landmark	RL-5WD-15WW	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
292	LDC	GU10 (001510)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
293	LDC	GU10 (001511)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
294	LDC	GU10 (001515/D)	6.0	Internal	Trailing Edge	1 - 12	1 - 20	1 - 22	1 - 43	1 - 76
295	LDC	DLV-R 3 inch downlight	13.0	Actec D3501U 350mA	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
296	LDC	DLV-R 3 inch downlight	14.0	Actec D50022U 500mA	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
297	Ledionopto	GU10C	7.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
298	Ledionopto	TD20 Series downlighter	7.0	350mA driver	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
299	Ledionopto	TD36 Series downlighter	15.0	700mA driver	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
300	Ledionopto	DLV LED 25W NW	25.0	700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 15
301	LED Lumo	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
302	LED Lumo	GU10 (Aluminium housing)	6.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 40
	Ledvance	See Osram / Ledvance below								
303	LEDwise	ML7-WW-36-AL-D	9.6	External	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
304	Lightbulbmoment	LBM-G4-1.5W-PL03-DIM	1.5	Verbatim LW70	Trailing Edge	1 - 41	1 - 70	1 - 78	1 - 151	1 - 268
305	Lightbulbmoment	LBM-GU10-4.5W-DIM	4.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
306	Lightbulbmoment	LBM-GU10-5W-DIM	5.0	Internal	Leading Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
307	Lightbulbmoment	LBM-GU10-7.5W-DIM	7.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
308	Lightnet	MGM Gimbal 840 36D 300680	25.0	Tridonic LCBI 25W	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
309	Lightnet	DLV Downlight 6 inch	25.0	AcTech D70040NT 700mA	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
310	Limelight	GU10 380lm	4.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
311	Lights by Linea	Model 7"	17.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
312	Light Leader (GEP)	GU10-CY2-D	4.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
313	Light Leader (GEP)	GU10-COB-YZ-D	7.5	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
314	Lightspot	Littleou 420lm GU10	6.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 53	1 - 94
315	Lighting Warehouse	G9 LED (6009707428333)	4.5	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
316	Li Zhau	Panel LED 3W	3.0	Li Zhau 4W Driver	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
317	Li Zhau	Panel LED 6W	6.0	Li Zhau 7W Driver	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
318	Li Zhau	Panel LED 9W	9.0	Li Zhau 15W Driver	Leading Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
319	LMR Lighting	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
320	LMR Lighting	GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
321	Lucent	GU10 7WD	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
322	Lucent	E27 Candle 5WD	5.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
323	Luc-Eco	GU10 (LGDW5W37-01)	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
324	Luc-Eco	GU10 (LGDW5W37-01)	5.0	Internal	Leading Edge	1 - 4	1 - 6	1 - 7	1 - 13	1 - 24
325	Luc-Eco	GU10 (LGU5W380D40W-01)	5.0	Internal	Leading Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
326	Lumaglo	G5-GU10/5.5/DC	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
327	Lumax	LUM-GU10-SMD-SH-4.5W	4.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
328	Lumax	LUM-GU10-COB-SU-5W	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
329	Lumax	GU10 WW	4.5	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
330	Lumax	GU10 (Single LED)	5.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
331	Lumax	GU10 SMD 2835	7.5	Internal	Trailing Edge	3 - 14	3 - 24	3 - 27	3 - 54	3 - 95
332	Lumax	GU10 (Single LED)	8.0	Internal	Trailing Edge	3 - 5	3 - 8	3 - 9	3 - 18	3 - 33
333	Lumax	A60 Bulb	7.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
334	Lumax	A60 Bulb SMD 2835	9.5	Internal	Trailing Edge	3 - 9	3 - 15	3 - 17	3 - 34	3 - 60
335	Lumax	E14 Candle	3.0	Internal	Trailing Edge	1 - 33	1 - 57	1 - 63	1 - 121	1 - 215
336	Lumax	GU10 30SMD	5.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 74	1 - 132
337	Lumax	GU10 (Glass)	5.5	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
338	Lumax	GU10 (LUM-GUDCG/05) – Glass	5.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 65	1 - 116
339	Lumax	Candle E14 (LUM-CD3714/05-3K)	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
340	Lumax	GU10 (LUM-GUD/055-4K)	5.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
341	Lumax	LM-FRP-R75-6W Frameless Panel	6.0	External AcTech	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
342	Lumax	LM-FRP-R100-8W Frameless Panel	8.0	External AcTech	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 70
343	Lumax	S11 G45	5.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
344	Lumax	S11 GU10	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
345	Lumax	S11 C37	5.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
346	Lumax	S11 A60	9.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
347	Lumax	LUM-GD12527/025-2K Filament	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
348	Lumax	LUM-GD9527/04-2K Filament	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
349	Lumax	LUM-PSD16027/04-2K Filament	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
350	Lumax	LUM-STD6427/04-2K Filament	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
351	Lumax	LUM-CD3514/04-3K Filament Candle	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
352	Lumax	LUM-CD3527/04-3K Filament Candle	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
353	Lumax	LUM-GUDAW/05-3K AW GU10 DIM	5.0	Internal	Trailing Edge	3 - 14	3 - 23	3 - 26	3 - 51	3 - 90
354	Lumax	LUM-PLRD85/03-3K Dimmable Panel	3.0	BT-DL6901W6	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 78	1 - 138
355	Lumax	LUM-PLRD120/06-3K Dimmable Panel	6.0	BT-DL6901W6	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 69	1 - 123
356	Lumax	LUM-AD6027/06-3K A60 Dimmable	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
357	Luminence	K50-R7	9.5	Dimtronic 260mA driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
358	Luxn	LED Spot GU10	5.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
359	Major Tech	GU10 (L2A-D3W)	3.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
360	Major Tech	GU10 (L2A-D5C)	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
361	Major Tech	GU10 (LGU10-D5W)	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
362	Major Tech	LED filament E14 (LFC35E14-D4W)	4.0	Internal	Trailing Edge	1 - 25	1 - 43	1 - 48	1 - 92	1 - 163
363	Major Tech	Candle E14 (LC38E14-D48W)	4.8	Internal	Trailing Edge	1 - 22	1 - 38	1 - 42	1 - 81	1 - 143
364	Major Tech	LED filament E27 (LFA60E27-D6W)	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
365	Major Tech	E27 (LA60E27-D7C)	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
366	Major Tech	DLW-9C	9.0	External (MLD-10W)	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
367	Mezmerize	HL-MZ-5.5W-GU10-D	5.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
368	Mezmerize	HL-MZ-8W-GU10-D	8.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
369	Mezmerize	HL-UDL-003 6W Panel 300mA	6.0	LED-09VATDR 300mA	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
370	Mezmerize	HL-UDL-005 12W Panel 300mA	12.0	LED-09VATDR 300mA	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
371	Mezmerize	MLCL-6W-R-NW (Round Panel)	6.0	LPDD-6W (PE294B0730)	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 53	1 - 94
372	Mezmerize	MLCL-12W-R-NW (Round Panel)	12.0	LPDD-12W (PE294B1230)	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 50
373	Mezmerize	MLCL-18W-R-NW (Round Panel)	18.0	LPDD-18W (PE296B1830)	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
374	Mezmerize	MLCL-24W-R-CW (Round Panel)	24.0	LPDD-24W (PF-292B)	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
375	Mezmerize	Round 18W Panel 300mA	18.0	LED-18VATDR 300mA	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
376	Mezmerize	Round 24W Panel 300mA	24.0	LED-24VATDR 300mA	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
377	Mezmerize	ML-DL-10W-TR	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
378	Mezmerize	ML-HG2-10W-CCT-C (3 in 1 lamp)	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
379	Mezmerize	ML-VF-A60-6W-D Filament Bulb	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
380	Mezmerize	ML-VF-ST64-6W-D Filament Bulb	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
381	Mezmerize	ML-VF-G95-6W-D Filament Bulb	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
382	Mezmerize	ML-VF-G125-6W-D Filament Bulb	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
383	Mezmerize	ML-Z-4.8W-GU10-2.7K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
384	Mezmerize	ML-Z-4.8W-GU10-4K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
385	Mezmerize	ML-Z-4.8W-GU10-6K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
386	Mezmerize	ML-Z-G45-4.5W	4.5	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
387	Mezmerize	ML-Z-C37-4.5W	4.5	Internal	Trailing Edge	1 - 25	1 - 43	1 - 48	1 - 94	1 - 166
388	Mezmerize	ML-Z-6.8W-GU10-W	6.8	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
389	Mezmerize	ML-Z-A60-9W	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
390	Mezmerize	ML-TR-10W-CCT (Halo Trio series 3 in 1)	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
391	Mezmerize	Candle C35 Filament	2.0	Internal	Trailing Edge	1 - 31	1 - 54	1 - 60	1 - 116	1 - 207
392	Mezmerize	Antique Edison Bulb ST64	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
393	Mezmerize	Antique Edison Bulb G95	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
394	Mezmerize	230VAC Strip LED 1m *	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
395	Mezmerize	230VAC LED Tapelight 1m (white/colour)*	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
396	Mezmerize	230VAC LED Neon Flex 1m (white/colour)*	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
397	Mezmerize	LED Globe A60 ML-A60-9W-E27-xx-D	9.0	Internal	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
398	Mezmerize	Comet GU10 ML-CT-5.5W-GU10-xx-D	5.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
399	Mezmerize	Comet GU10 ML-CT-7.5W-GU10-xx-D	7.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
400	Meteor	GU10	3.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
401	Meteor	GU10	4.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
402	Meteor	GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
403	NVC	NLED110D (350mA)	9.0	Aurora 1-10W Driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
404	NVC	NLED110D (350mA)	9.0	Aurora 7-10W Driver	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
405	NVC	NLED111D (500mA)	12.0	Aurora 20W Driver	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
406	NVC	G Light GU10	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
407	NVC	LED GU10D	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
408	MSI	"I"GU10	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
409	O-Lite	LEDGU10-6WD	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
410	O-Lite	GU10DIM-6W-CW/WW	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
411	O-Lite	OL-CY03 (Cyclops Range)	3.0	O-lite Mini D26004NT	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 71	1 - 126
412	O-Lite	OL-CY06 (Cyclops Range)	6.0	O-lite D26009NT	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
413	O-Lite	OL-CY12 (Cyclops Range)	12.0	O-lite D26012NT	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
414	O-Lite	OL-CY18 (Cyclops Range)	18.0	O-lite D26020NT	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
415	Oppl	GU10 Spot Light	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
416	Oppl	LED-E-E27-6W-DIM	6.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
417	Oppl	LED E2 GU10 6W DIM	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
418	Oppl	GU10 Spot Light	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
419	OptiLED	Tornado GU10 5.5W	5.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
420	Optique	XOPT3012	12.0	Actec DIM300mA	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 13	1 - 24
421	Optique	OPT3012	12.0	Tridonic LCA 15W	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
422	Optique	XOPT2512	7.0	Tridonic LCBI 14W	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
423	Optique	XOPT4012A	15.0	Tridonic LCA 15W	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
424	Osram / Ledvance	Parathom Pro PAR16 50 Advanced R	9.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
425	Osram / Ledvance	Parathom Pro PAR16 50 Advanced R	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
426	Osram / Ledvance	Parathom Pro PAR16 50 Advanced	5.3	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
427	Osram / Ledvance	Parathom Pro PAR16 50 (Adv)	5.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
428	Osram / Ledvance	Parathom Pro MR16 20 Advanced	5.0	HTM70	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
429	Osram / Ledvance	Parathom Pro MR16 35 Advanced	5.9	HTM70, ETP70	Trailing Edge	2 - 12	2 - 21	2 - 23	2 - 47	2 - 83
430	Osram / Ledvance	Parathom Pro MR16 35 Advanced	7.0	HTM70	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 71
431	Osram / Ledvance	Parathom Pro MR16 35 Advanced R	10.0	HTM70	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
432	Osram / Ledvance	Parathom Pro AR111 50 680lm AC12996	10.8	HTM70	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
433	Osram / Ledvance	Parathom Pro LEDSpot AR111 50 Adv.	12.0	HTM70	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
434	Osram / Ledvance	Parathom Classic P25 Advanced	4.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
435	Osram / Ledvance	Parathom Classic P40 Advanced	6.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 58	1 - 103
436	Osram / Ledvance	Parathom DIM R80 100	9.6	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
437	Osram / Ledvance	Parathom PAR16 65 Advanced	8.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
438	Osram / Ledvance	Parathom Stick AC21548	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
439	Osram / Ledvance	Parathom Stick AC21550	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
440	Osram / Ledvance	Parathom Stick AC21554	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
441	Osram / Ledvance	Parathom Stick AC21559	11.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
442	Osram / Ledvance	Parathom Stick AC21561	11.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
443	Osram / Ledvance	Parathom Dim PAR16 50 AC27614	5.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
444	Osram / Ledvance	LED Performance PAR16 80 625lm AC10154	8.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
445	Osram / Ledvance	LED Performance PAR16 80 625lm AC10155	8.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
446	Osram / Ledvance	LED Performance PAR16 80 (930) AC20915	7.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
447	Osram / Ledvance	LED Performance PAR16 80 (940)	7.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
448	Osram / Ledvance	LED Performance MR16 50 630lm AC10144	7.0	HTM70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
449	Osram / Ledvance	LED Performance Classic A60 filament AC08113	7.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
450	Osram / Ledvance	LED Performance Classic A60 filament AC08117	7.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
451	Osram / Ledvance	LED Performance Classic A60 AC28043	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
452	Osram / Ledvance	LED Performance Classic A60 AC14368	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
453	Osram / Ledvance	LED Performance Classic B40 Filament AC24282	5.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
454	Osram / Ledvance	LED Superstar PAR16 35 (Adv)	3.6	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107
455	Osram / Ledvance	LED Superstar PAR16 35 Advanced	4.8	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105



### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
456	Osram / Ledvance	LED Superstar PAR16 35 Advanced	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
457	Osram / Ledvance	LED Superstar PAR16 50	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
458	Osram / Ledvance	LED Superstar PAR16 50 Advanced	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
459	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	5.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
460	Osram / Ledvance	LED Superstar PAR16 50 Advanced	5.3	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
461	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	5.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
462	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
463	Osram / Ledvance	LED Superstar PAR16 50 Advanced	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
464	Osram / Ledvance	LED Superstar PAR16 50 Advanced	7.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
465	Osram / Ledvance	LED Superstar MR16 50 Advanced	8.5	HTM70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
466	Osram / Ledvance	LED Superstar MR16 35 Advanced	4.9	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
467	Osram / Ledvance	LED Superstar MR16 35 Advanced	5.0	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
468	Osram / Ledvance	LED Superstar MR16 35 Advanced	6.8	HTM70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
469	Osram / Ledvance	LED Superstar MR16 35 Advanced	6.5	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
470	Osram / Ledvance	LED Superstar Classic B 25 Advanced	4.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
471	Osram / Ledvance	LED Superstar Classic B 40	5.7	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
472	Osram / Ledvance	LED Superstar Classic B 40 Filament	4.5	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
473	Osram / Ledvance	LED Superstar Classic B 40 Advanced	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
474	Osram / Ledvance	LED Superstar Classic P 25 Advanced	4.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
475	Osram / Ledvance	LED Superstar Classic A 60	8.5	Internal	Trailing Edge	1 - 7	1 - 13	1 - 14	1 - 28	1 - 49
476	Osram / Ledvance	LED Superstar Classic A 60	9.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
477	Osram / Ledvance	LED Superstar Classic A 60 Filament	6.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
478	Osram / Ledvance	LED Superstar Classic A 60 Advanced	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
479	Osram / Ledvance	LED Superstar Classic A 60 Advanced	12.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
480	Osram / Ledvance	LED Superstar Globe 95 60 Advanced	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22
481	Osram / Ledvance	LED Superstar Globe 75	12.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
482	Osram / Ledvance	LEDinestra Advanced	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
483	Osram / Ledvance	LEDinestra DIM AC18698	4.5	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
484	Osram / Ledvance	LEDinestra DIM AC18704	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
485	Osram / Ledvance	LEDinestra DIM AC18705	15.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
486	Osram / Ledvance	Vintage 1906 LED Edison (filament)	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
487	Osram / Ledvance	RDL 2014163	5.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 58
488	Osram / Ledvance	Luxpoint Mini G2	12.0	Internal	Trailing Edge	2 - 7	2 - 12	2 - 13	2 - 26	2 - 46
489	Pharox	MR16 5W	5.0	Pharox Transformer	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
490	Pharox	P200 P45	4.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
491	Pharox	P200 P45	4.0	Internal	Leading Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
492	Pharox	P200 Candle	3.5	Internal	Leading Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
493	Robus	R50GU10D	5.0	Internal	Leading Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
494	Pharox	GU10	5.5	Internal	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
495	Pharox	GU10	5.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
496	Pharox	P300 GU10	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
497	Pharox	P600	8.5	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
498	Pharox	#105010 360lm (Candle)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
499	Pharox	#105011 320lm (Flame Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
500	Pharox	#105012 410lm (Candle Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
501	Pharox	#105510 400lm (Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
502	Pharox	#106010 360lm (Bulb)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
503	Pharox	#106011 400lm (Filament)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
504	Pharox	#106012 320lm (Flame Filament)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
505	Pharox	#106510 600lm (Filament)	6.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
506	Pharox	P800 A60 Lamp 470lm	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
507	Pharox	P800 A60 Lamp 810lm	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 42
508	PioLed Lighting	GU10	3.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95
509	PioLed Lighting	GU10	4.5	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
510	PioLed Lighting	GU10	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
511	PioLed Lighting	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
512	PioLed Lighting	GU10 DD026 Combat	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
513	PioLed Lighting	GU10 DD027 Combat	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
514	PioLed Lighting	GU10 600lm	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
515	PioLed Lighting	LED Filament Candle	4.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
516	PioLed Lighting	LED Candle Lite	4.5	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
517	PioLed Lighting	Punch Dimmable LED downlight	10.0	PIO-PS-10W-CC 250mA	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
518	PioLed Lighting	Punch Dimmable LED downlight	15.0	PIO-PS-15W-CC 350mA	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
519	PioLed Lighting	Filament LED Bulb (A60)	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
520	PioLed Lighting	PIO-CL-6W Iris (2 in 1 ceiling light 3CCT)	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
521	PioLed Lighting	PIO-CL-12W Iris (2 in 1 ceiling light 3CCT)	12.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
522	PioLed Lighting	PIO-CL-18W Iris (2 in 1 ceiling light 3CCT)	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
523	PioLed Lighting	PIO-CL-6W	6.0	PIO-CL-6W (300mA)	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 82
524	PioLed Lighting	PIO-CL-12W	12.0	S-CV-240-PL (300mA)	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 47
525	PioLed Lighting	PIO-CL-18W	18.0	S-CV-240-PL (300mA)	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 33
526	PioLed Lighting	PIO-CL-24W	24.0	S-CV-240-PL (300mA)	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 23
527	PioLed Lighting	LED Ceiling panel	40.0	S-48-24 & PS-40W-DIM	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
528	PioLed Lighting	LED Ceiling panel	65.0	S-72-24 & PS-60W-DIM	Trailing Edge	1 - 1	1 - 2	1 - 2	1 - 5	1 - 9
529	PioLed Lighting	LED Panel Light	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
530	PioLed Lighting	LED Panel Light 600x600 3CCT	40.0	PIO-PS-40W-DIM	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 15
531	PioLed Lighting	230VAC LED Tapelight 1m *	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
532	PioLed Lighting	230VAC LED Tapelight (ver 2) 1m *	7.0	PIO-230-STR-P	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
533	Philips / Signify	Master LEDspot GU10 40D	4.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
534	Philips / Signify	Master LEDspot GU10 MV Value	4.3	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 63	1 - 112
535	Philips / Signify	Master LEDspot GU10 MV Value	5.3	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
536	Philips / Signify	Master LEDspot Value GU10 Dimmable	3.7	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 78	1 - 139
537	Philips / Signify	Master LEDspot Value GU10 Dimtone	3.7	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 78	1 - 139
538	Philips / Signify	Master LEDspot Value GU10 Dimmable	4.9	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
539	Philips / Signify	Master LEDspot Value GU10 Dimtone	4.9	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
540	Philips / Signify	Master LEDspot GU10 40D (MV)	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 50
541	Philips / Signify	Master LEDspot GU10 40D	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 50
542	Philips / Signify	Master LEDspot GU10 40D	8.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
543	Philips / Signify	Master LEDspot GU10 PF	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 47
544	Philips / Signify	Master LEDcandle E14	3.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 54	1 - 96
545	Philips / Signify	Master LEDcandle E14 Deco Classic	4.5	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
546	Philips / Signify	Master LEDbulb E27	12.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
547	Philips / Signify	Master LEDspot GU5.3 MR16	7.0	External	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
548	Philips / Signify	Master LEDspot GU5.3 MR16	10.0	External	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
549	Philips / Signify	Master LEDspot GU10 MV	5.4	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
550	Philips / Signify	Master LEDspot GU10 MV Value	3.5	Internal	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 70	1 - 124
551	Philips / Signify	Master LEDspot ExpertColor GU10	3.9	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
552	Philips / Signify	Master LEDspot Value GU10	4.9	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
553	Philips / Signify	Master LEDspot MV GU10	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
554	Prime K R	4" (DL-PRIME-K-4-R15-840-45-SD)	15.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
555	Prime K R	6" (DL-PRIME-K-6-R20-840-75-D)	20.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
556	Prime K R	8" (DL-PRIME-K-8-R20-840-90-D)	20.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
557	Prime K R	8" (DL-PRIME-K-8-R30-840-90-D)	30.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
558	Province Lighting	GU10 200039 (6938274093234)	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
559	Province Lighting	GU10 200747 (4000K)	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
560	Province Lighting	GU10 200980 (3000K)	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
561	Radiant	LED 140 GU10	5.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
562	Radiant	LED 121 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
563	Radiant	LED 122 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
564	Radiant	LED 025	25.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
565	Radiant	LED 032	32.0	Radiant D700040NT	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
566	Radiant	LED076 GU10 6.5W	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
567	Radiant	GU10 6.5W	6.5	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 33
568	Radiant	GU10	5.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107
569	Radiant	GU10 8W Sharp	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
570	Radiant	5.4W Downlighter LDL001	5.4	Radiant 350mA driver	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 81
571	Radiant	9.7W Downlighter LDL002	9.7	Radiant 350mA driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
572	Radiant	23W Downlighter LDL025	23.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
573	Radiant	23W Downlighter LDL009	23.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
574	Radium	RaLED PAR16 50 (431 19056)	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
575	Radium	RL-A60 DIM	10.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
576	Regent Lighting	Perox RS10W- 500mA	10.0	Lumotech Minidim 12VA	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 47
577	Regent Lighting	Module 25W	25.0	Tridonic LCBI 25W	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 26
578	Renesola	GU10 (RG10D006AY03)	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
579	Renesola	Candle (RCD007AE01)	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
580	Renesola	Bulb A60 (RA60D009AE01)	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
581	Robus	RTA9P230	9.2	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
582	Robus	9WDLCCCT3	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
583	Robus	RF7LEDDWW	9.0	Robus R10LED200DB	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
584	Robus	Taylor 3CCT	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
585	SAA	SP77 GU10	8.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
586	SAA	SP91 GU10	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
587	SAA	SP95 GU10	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
588	Samsung	SI-M8V073BD1EU PAR16	6.7	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 29
589	Samsung	SI-M8W0773BD1EU PAR16	6.7	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
590	Samsung	SI-M8V093BD1EU PAR16	7.7	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 28
591	Seoul Semi	Acrich AC3-2	5.0	COB	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
592	Schiefer Lighting	LF023841502 E14 Filament 140lm	1.5	Internal	Trailing Edge	1 - 75	1 - 130	1 - 144	1 - 277	1 - 492
593	Schiefer Lighting	LF023840302 E14 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
594	Schiefer Lighting	LF023830302 E14 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
595	Schiefer Lighting	LF023821502 E27 Filament 150lm	1.5	Internal	Trailing Edge	1 - 75	1 - 130	1 - 144	1 - 277	1 - 492
596	Schiefer Lighting	L023871302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
597	Schiefer Lighting	LF023870509 E27 Filament 140lm	5.5	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 65	1 - 116
598	Schiefer Lighting	L023810302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 24	1 - 41	1 - 46	1 - 90	1 - 159
599	Schiefer Lighting	LF023880302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 24	1 - 41	1 - 46	1 - 90	1 - 159
600	Smartglo	GU10-6W	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
601	Spazio Lighting	GU10 (LA 410540180902)	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
602	Spazio Lighting	GU10 (LA 4205903640)	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
603	Spazio Lighting	GU10 (LA 4207983627) 2700K	7.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
604	Spazio Lighting	GU10 (LA 4207983640) 4000K	7.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
605	Spazio Lighting	GU10 LED BULB	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
606	Spazio Lighting	GU10 410/40100702	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
607	Spazio Lighting	GU10 LA 410730200702	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
608	Spazio Lighting	GU10 (LA 42059027) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
609	Spazio Lighting	GU10 (LA 410530191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
610	Spazio Lighting	GU10 (LA 410540191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
611	Spazio Lighting	GU10 (LA 410560191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
612	Spazio Lighting	GU10 (LA 42059040) SMD CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
613	Spazio Lighting	GU10 (LA 4205903627) 2700K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
614	Spazio Lighting	GU10 (LA 4205903630) 3000K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
615	Spazio Lighting	GU10 (LA 4205903640) 4000K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
616	Spazio Lighting	GU10 (LA 42059065)	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
617	Spazio Lighting	GU10 (LA 42059032) SMD CRI90	5.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95
618	Spazio Lighting	G95 LED filament lamp	4.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
619	Spazio Lighting	Candle filament lamp (LA 4303504ES2701)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
620	Spazio Lighting	TCI LD0091A (900mA x 4)	31.0	Tridonic LCBI 25W	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
621	Spazio Lighting	LED Panel lamp PR225A	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
622	Spazio Lighting	2478 Round Tilt D/L	15.0	Spazio 7317.350.18.D	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
623	Sunlit Technologies	LED GU10 (#20436) Cool White	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
624	Sunlit Technologies	LED GU10 (#20429) Warm White	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
625	Sunlit Technologies	LED GU10	7.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
626	Sunlit Technologies	LED A60 (#20207) Cool White	10.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
627	Sunlit Technologies	LED A60 (#20214) Warm White	10.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
628	Sunseon	T5 Dimmable LED Tube 1150mm	21.0	Sunseon	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
629	Sylvania	Candle LED C35 (161998020901)	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
630	Sylvania	GU10 RefLED ES50 dim	5.5	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
631	Sylvania	RefLED MR16 Eco (non dimmable)	6.5	External	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
632	Sylvania	RefLED+ ES50	6.8	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
633	Sylvania	RefLED+ ES50 V2	5.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
634	Sylvania	RefLED Superia ES50 V2.1	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
635	Sylvania	RefLED+ ES50 GU10 Dim 830	5.5	Internal	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
636	Sylvania	RefLED+ ES50 GU10 Dim 830 40d SL	6.5	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
637	Sylvania	RefLED ES50	5.5	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
638	Sylvania	RefLED ES50 DIM 460lm (6288)	6.3	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 88
639	Sylvania	RefLED ES50 Hi-Spot GU10	6.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
640	Synerji	GU10	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
641	Synerji	GU10 (0517)	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
642	Synerji	GU10 (0517)	6.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
643	Synerji	GU10 (0916)	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
644	Synerji	GU10 (0418, 0719)	6.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
645	Synerji	GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
646	Synerji	Candle (1215)	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
647	Synerji	Candle (0918)	5.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 85
648	Synerji	Candle (0719)	5.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
649	Synerji	GLS Lamp E27 (0719)	10.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
650	Synerji	Deco Filament A60	3.0	Internal	Trailing Edge	1 - 27	1 - 47	1 - 52	1 - 102	1 - 180
651	Synerji	Deco Filament BT215	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 74	1 - 132
652	Synerji	Deco Filament ST64	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 74	1 - 132
653	Swiss LED	GU10 SWISL GU55ED65	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
654	Swiss LED	GU10 E390SGNCA	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
655	Swiss LED	Bulb S2E0210D	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 63
656	Venture Lighting	VLED DOM026	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
657	Venture Lighting	SPL071	5.0	Internal	Trailing Edge	1 - 12	1 - 20	1 - 22	1 - 43	1 - 76
658	Venture Lighting	SPL073	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60

### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
659	Venture Lighting	SPL070	12.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
660	Verbatim	#52017 PAR38 (E27)	18.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29
661	Verbatim	#52019 Classic A E27	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
662	Verbatim	#52028 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
663	Verbatim	#52034 E27	20.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
664	Verbatim	#52040 GU10	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
665	Verbatim	#52041 GU10	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
666	Verbatim	#52045 GU10	6.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
667	Verbatim	#52047 Classic B E14	3.7	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
668	Verbatim	#52049 GU10	7.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 106
669	Verbatim	#52200 GU10	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
670	Verbatim	#52205 AR111 G53	15.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
671	Verbatim	#52206 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
672	Verbatim	#52207 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
673	Verbatim	#52208 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
674	Verbatim	#52209 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
675	Verbatim	#52210 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
676	Verbatim	#52211 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
677	Verbatim	#52212 MR16	3.5	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
678	Verbatim	#52214 GU10	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
679	Verbatim	#52217 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
680	Verbatim	#52220 Classic A E27	7.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
681	Verbatim	#52224 MR16	6.5	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
682	Verbatim	#52225 E27	7.7	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
683	Verbatim	#52230 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
684	Verbatim	#52231 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
685	Verbatim	#52235 GU10	7.3	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 106
686	Verbatim	#52310 GU10	8.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
687	Verbatim	#52308 GU10	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 47



### Shuttle Universal dimmers (Live In and Load Out, No Neutral required )

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
688	Verbatim	#52322 E27 Globe	8.8	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
689	Verbatim	#52336 E27 Globe	9.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 16	1 - 32	1 - 56
690	Verbatim	#52611 G95 Large Globe	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
691	Verbatim	#52350 GU10	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
692	Verbatim	#52351 GU10	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
693	Verbatim	#52343 AR111	10.0	Verbatim #52900 (70W)	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
694	Verbatim	#64656 GU10	8.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
695	Verbatim	#65110 GU10	6.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
696	Verbatim	#65421 GU10 Warm-dim	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
697	Verbatim	AR111 ("non-dimmable")	14.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
698	Visionary	Iris 2 19W-Dx4K Downlighter	7.8	Phoenix P-220MA-D VF	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
699	Vossloh-Schwabe	GU10 #556799	6.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
700	Vossloh-Schwabe	GU10 #553220	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
701	Vossloh-Schwabe	GU10 #553221	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
702	Vossloh-Schwabe	GU10 #541126	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
703	Vossloh-Schwabe	LED COB Module #559774	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
704	Vossloh-Schwabe	LED COB Module #559779	15.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
705	Vossloh-Schwabe	LED COB Module #559784	20.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 21	1 - 36
706	Vossloh-Schwabe	Pro Series #550880	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
707	Vossloh-Schwabe	Pro Series #550882	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
708	Vossloh-Schwabe	Pro Series #550884	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
709	Vossloh-Schwabe	Pro Series #550885	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
710	Vossloh-Schwabe	Pro Series #550886	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
711	Vossloh-Schwabe	Pro Series #550887	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
712	Uniontech SA	GU10	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
713	Zebbies	GU10 (#3799)	5.3	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83

**Shuttle Universal dimmers (Live In and Load Out, No Neutral required )**

NO	LAMP BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LAMPS				
						125W	225W	250W	500W	800W
714	Generic	230VAC LED Striplight 60 LED/m *	8.25/m	Rectified Mains	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107
715	Generic	Halogen 230VAC GU10	50.0	NA	Trailing Edge	1 - 2	1 - 4	1 - 5	1 - 10	1 - 16
716	Generic	Incandescent 230VAC Globe	60.0	NA	Trailing Edge	1 - 2	1 - 3	1 - 4	1 - 8	1 - 13
717	Generic	Incandescent 230VAC Globe	100.0	NA	Trailing Edge	1 - 1	1 - 2	1 - 2	1 - 5	1 - 8

## NOTES

- 1 All measurements are conducted at 230VAC 50Hz
  - 2 All low voltage lamp loads INCLUDE electronic transformer or driver losses.
  - 3 Flicker at low light intensity is sometimes unavoidable – please set the dimmer minimum dim to avoid flicker (refer to relevant dimmer data sheet)
  - 4 Some LED's dim to a completely off state – please set the dimmer minimum level to avoid this condition (refer to relevant dimmer data sheet)
  - 5 Some Low voltage lamps and transformer combinations might exhibit flicker at various light intensities or might not turn on – please set the dimmer in “MR16 compatibility mode”
  - 6 Maximum Load applies only when:
    - A - Supply voltage does not exceed 230VAC
    - B - Dimmer is well ventilated (ambient temperature around the dimmer is below 35<sup>0</sup>C)
    - C - Only one dimmer per wallbox
- \* LED stays slightly on when dimmer is off – please use a capacitive dummy load as per Shuttle recommendation to avoid this condition
- \*\* Lamps may flicker or “pulse” at low to medium intensities – unavoidable lamp characteristic but might be alleviated if the dimmer's minimum is set to above this

### **Shuttle Lighting Control Systems (Pty) Ltd - Lamp/driver dimmer compatibility testing Disclaimer**

Compatibility tests are conducted by Shuttle as guidance, without responsibility for the performance of the lamps and drivers.

The results shown are based on measurements in our test laboratory. Field results may differ from test results depending on conditions at the application site.

Results may vary due to variability in component choices and manufacturing processes by lamp and driver manufacturers.

Please refer to the lamp and driver manufacturers website for specifications, installation and operating instructions