

SHUTTLE DIMMERS MAXIMUM LAMP LOADS

Version: 25 August 2020

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	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
1	Ace	GU10	3.0	Internal	Leading Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
2	Ace	GU10	4.0	Internal	Leading Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
3	Ace	GU10	5.0	Internal	Leading Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
4	ACDC Dynamics	TP-DC-10W E27	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
5	ACDC Dynamics	DIM-R68-8W-CW E27	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
6	ACDC Dynamics	DIM-R68-8W-WW E27	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
7	ACDC Dynamics	DIM-A60-S10W-E27-CW	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
8	ACDC Dynamics	BF-T45-S E27 Filament	2.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
9	ACDC Dynamics	GL-P12WA-CW Panel Light	12.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
10	ACDC Dynamics	DIM-R50-6W-CW	6.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
11	ACDC Dynamics	AS-C35-ST E14 Filament	2.0	Internal	Trailing Edge	1 - 28	1 - 48	1 - 53	1 - 103	1 - 182
12	ACDC Dynamics	BF-C35-Q Filament Lamp (candle)	2.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
13	ACDC Dynamics	BF-C35-Q Decor Lamp (candle)	2.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 85	1 - 151
14	ACDC Dynamics	LEDA35E-WW	4.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
15	ACDC Dynamics	DIM-MS-GU10-5W-CW	5.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
16	ACDC Dynamics	DIM-KL-GU10-7W-CW	7.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
17	ACDC Dynamics	LCM8106-60DIM-WW PAR38	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 31
18	ACDC Dynamics	LCM8106-60DIM-CW PAR38	18.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 23
19	ACDC Dynamics	DIM-PAR30-12W-CW	12.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
20	ACDC Dynamics	LCM8106-160DIM-CW PAR38	18.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 23
21	ACDC Dynamics	DIM-PAR20-10W-CW	10.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29
22	ACDC Dynamics	LEDC35E-E27-CW Candle	3.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
23	ACDC Dynamics	LEDC35E-E27 (Candle)	3.5	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
24	ACDC Dynamics	LEDC212-CW	3.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
25	ACDC Dynamics	DIM-GU10-35-60-CW	4.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
26	ACDC Dynamics	DIM-GU10-5W-CW (1x sample)	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
27	ACDC Dynamics	DIM-KL-MR16-7W-CW	7.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
28	ACDC Dynamics	DIM-MR16-GW-CW	4.0	External (LW70)	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
29	ACDC Dynamics	DIM-MR16-35-60-DL	4.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
30	ACDC Dynamics	DIM-MR16-35-60-CW	4.0	External (LW70)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
31	ACDC Dynamics	DIM-MR16-35-60-CW-230	4.0	External (LW70)	Trailing Edge	1 - 35	1 - 60	1 - 67	1 - 130	1 - 231
32	ALT LED (Aeon)	T8 Tube V4 T03RNP23ES-19	22.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
33	ALT LED (Aeon)	T8 Tube V4 T03RNP46ES-19	46.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 7	1 - 12
34	ALT LED (Aeon)	V2.5 GU10/GZ10	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
35	ALT LED (Aeon)	MR16 7W	7.0	Pharox Transformer	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
36	AL TSA	TL DL 610W 40KC	10.0	AL TSA 300mA driver	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
37	AL TSA	TL DL 630W 40KC	30.0	AL TSA 750mA driver	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 7	1 - 13
38	Apollo	TSL91E164D A80 (E27)	7.0	Internal	Trailing Edge	2 - 7	2 - 12	2 - 13	2 - 27	2 - 48
39	Apollo	TSL91E165D A80 (E27)	10.0	Internal	Trailing Edge	2 - 6	2 - 11	2 - 12	2 - 24	2 - 43
40	Applo	DIM MR16 GU10	5.0	Internal	Trailing Edge	2 - 14	2 - 23	2 - 26	2 - 51	2 - 91
41	Applo	GU10 5W	5.0	Internal	Trailing Edge	2 - 15	2 - 26	2 - 29	2 - 56	2 - 99
42	Aurora	Candle E14	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
43	Aurora	PAR16 GU10 (AU-DGU106A/30)	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
44	Aurora	PAR16 GU10	6.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
45	Aurora	PAR16 GU10 (FLG GU10WD)	6.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 58
46	Aurora	PAR16 GU10 (FLG GU10WD)	6.0	Internal	Leading Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 14
47	Aurora	FLCDL19CD	19.0	Aurora 19W LED driver	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
48	Aurora	PAR16 GU10 (AU-DGU1040W/30)	4.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22
49	Aurora	PAR16 GU10 (AU-DGU1085/30)	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
50	Aurora	PAR16 GU10 (AU-DGU1085/40)	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
51	Aurora	AU-DL10013AW/30	13.0	Aurora AU-ALDD4015	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
52	Aurora	AU-DL10019AW/30	19.0	Aurora AU-ALDD4019	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 26
53	Afrison	Floodlight 10W	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
54	Brightgreen	PR700 MR16	10.0	External	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
55	Brightlux	GU10 Spot	4.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
56	Brightlux	GU10 (092917D)	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
57	Brightlux	GU10	5.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 6	1 - 11
58	Brightlux	GU10 (GNH-AC-GU10-5W-B)	5.0	Internal	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 70	1 - 123
59	Bright Star	Bulb LED 128 GU10	5.0	Internal	Trailing Edge	2 - 14	2 - 23	2 - 26	2 - 51	2 - 91
60	Bright Star	Bulb LED 128 GU10	5.0	Internal	Leading Edge	2 - 11	2 - 19	2 - 21	2 - 40	2 - 72
61	Bright Star	Bulb LED 145 GU10	5.0	Internal	Trailing Edge	2 - 15	2 - 26	2 - 29	2 - 57	2 - 101
62	Bright Star	Bulb LED 190 Candle **	4.5	Internal	Trailing Edge	2 - 21	2 - 36	2 - 40	2 - 77	2 - 136
63	Bright Star	Bulb LED 245 **	8.0	Internal	Trailing Edge	2 - 12	2 - 21	2 - 23	2 - 44	2 - 78
64	Bright Star	Bulb LED 196 **	6.0	Internal	Trailing Edge	2 - 14	2 - 24	2 - 27	2 - 52	2 - 92
65	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
66	Brilliance	I4Light 5W GU10	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
67	Calex	421594 LED Lamp 1020lm	12.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
68	Calex	425414 Filament Rustic 320lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
69	Calex	425464 Filament Globe 320lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
70	Calex	425468 Filament Globe 650lm	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
71	Calex	425484 Filament Globe 320lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
72	Calex	425491 Filament Tube 310lm	3.5	Internal	Trailing Edge	1 - 25	1 - 42	1 - 47	1 - 91	1 - 162
73	Calex	425492 Filament Tube 320lm	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
74	Calex	425493 Filament Tube 400lm	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
75	Calex	425496 Filament Tube 350lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
76	Calex	425732 Filament Flex GLS 200lm	4.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
77	Calex	425782 Filament Globe 200lm	4.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
78	Calex	474483 Filament Spherical 350lm	3.5	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
79	Calex	474484 Filament Spherical 350lm	4.0	Internal	Trailing Edge	1 - 25	1 - 42	1 - 47	1 - 91	1 - 162
80	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	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
81	Calex	474509 Filament GLS 810lm	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
82	Calex	474510 Filament GLS 810lm	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
83	Candela	GU10 short	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
84	Citizen	COB Series	17.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
85	Daylight Lighting	LED Stixx lamp (830) WW ES/BC	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
86	Daylight Lighting	LED Stixx lamp (865) daylight ES/BC	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
87	Diall LED	5W GU10	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
88	Diall LED	Candle B22 470lm	5.9	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
89	Diall LED	Candle E14 470lm	6.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
90	Diall LED	Bulb B22 1521lm	14.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
91	DK Lighting	GU10 CL-0002	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
92	Duracell	Candle	3.5	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
93	Duracell	Candle	3.5	Internal	Leading Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
94	Duracell	Mini Globe	3.5	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
95	Duracell	Mini Globe	3.5	Internal	Leading Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
96	Duracell	A-Shape	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
97	Duracell	A-Shape	6.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
98	Duracell	GU10 Spot (Al housing)	5.0	Internal	Leading Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
99	Duracell	GU10 Spot (Plastic housing)	5.0	Internal	Leading Edge	1 - 5	1 - 8	1 - 9	1 - 17	1 - 31
100	Eagle Lighting	LED downlight KK1936/D	12.0	Osram OTE 13 350mA	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
101	Eagle Lighting	LED grille light KK1919	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 65
102	Eagle Lighting	GU10 GTL084	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
103	Eagle Lighting	GU10 WXX914	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
104	Eagle Lighting	GU10 WXX900 (Dim to warm)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
105	Eagle Lighting	LED downlight L-CL-0107 WXX103	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
106	Eagle Lighting	Round LED downlight TLQS4C	6.0	Eagle 6W dimmable driver	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
107	Earth Power	Black Max GU10	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
108	EcoLED	GU10	5.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
109	EcoLED	GU10 DIM	5.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
110	EcoLED	GU10 DIM	7.0	Internal	Leading Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
111	EcoLED	GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
112	EcoLED	GU10	9.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
113	EcoLED	MR16 3W	3.0	Pharox Transformer	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 70
114	EcoLED	MR16 6W	6.0	Pharox Transformer	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
115	Ellies	FLGU10C (non-dimmable)	3.5	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 104
116	Ellies	FLGU10C (non-dimmable)	4.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
117	Ellies	FLGU10CD	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95
118	Ellies	FL24W15T8DL (non-dimmable)	24.0	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
119	Enlite	EN-DGU1005/40	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
120	Enlite	EN-DGU1005/27	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
121	Enlite	EN-DDL101/27	8.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
122	Enlite	EN-DGU004/40 -GU10 520lm	4.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
123	Enlite	EN-DGU005/30 -GU10 520lm	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
124	Enlite	EN-DGU005/40 -GU10 520lm	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
125	Enlite	EN-DGU005H/40 -GU10 440lm HP	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
126	Enlite	EN-DGU1024/40 -24deg GU10	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
127	Enlite	EN-DGU1038/40 - 38deg GU10	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
128	Enlite	EN-DGLSE279/27 -GLS E27 810lm	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
129	Enlite	EN-DGLSB229/27 -GLS B22 8100lm	9.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
130	Enlite	EN-DCNDE145/27 -Candle E14 400lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
131	Enlite	EN-DCNDE275/27 -Candle E27 400lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
132	Enlite	EN-DCNDB225/27 -Candle B22 400lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
133	Enlite	EN-DG45E145/27 -Golf Ball E14 370lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
134	Enlite	EN-DG45E275/27 -Golf Ball E27 370lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
135	Enlite	EN-DG45B225/27 -Golf Ball B22 370lm	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
136	Enlite	EN-DE6PRO/40 -IP65 Fixed Fire Rated Downlight	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
137	Enlite	EN-DE8/40 -LED Alum. IP65 fixed Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
138	Enlite	EN-DE82W/40 -LED Alum. Adj. Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
139	Enlite	EN-DE82MW/40 -LED Alum. Adj. Fire Downlight	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
140	Enlite	EN-DDLH413/40 -High Performance Downlight	13.0	EN-DDLH413 driver	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
141	Enlite	EN-DDLH618/40 -High Performance Downlight	18.0	EN-DDLH618 driver	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
142	Enlite	EN-DDLH818/40 -High Performance Downlight	18.0	EN-DDLH818 driver	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
143	Enlite	EN-DDLH825/40 -High Performance Downlight	25.0	EN-DDLH825 driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 15
144	Enlite	EN-DDLH840/40 -High Performance Downlight	40.0	EN-DDLH840 driver	Trailing Edge	1 - 2	1 - 3	1 - 3	1 - 6	1 - 12
145	Enlite	EN-DDLH1045/40 -High Performance Downlight	45.0	EN-DDLH1045 driver	Trailing Edge	1 - 1	1 - 2	1 - 2	1 - 5	1 - 10
146	Enlite	EN-DDL10/40 -3in Round Downlight	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
147	Enlite	EN-DDL15/40 -4in Round Downlight	15.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
148	Enlite	EN-DDL20/40 -6in Round Downlight	20.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 28
149	Enlite	EN-DDL25/40 -8in Round Downlight	25.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 24
150	Enlite	EN-DLB071D/40 -IP44 10mm Baffle Downlight	7.0	EN-DLB071D driver	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 70
151	Enlite	EN-DLB072D/40 -IP44 20mm Baffle Downlight	7.0	EN-DLB072D driver	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
152	Enlite	EN-DLB101D/40 -IP44 10mm Baffle Downlight	10.0	EN-DLB101D driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
153	Enlite	EN-DLB102D/40 -IP44 20mm Baffle Downlight	10.0	EN-DLB102D driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
154	Enlite	EN-DDLCX10 -IP54 3in1 Colour Switch Downlight	10.0	EN-DDLCX10 driver	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 70
155	Enlite	EN-DLSMR08T/40 -IP54 Round Downlight	8.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
156	Enlite	EN-DLSMR15T/40 -IP54 Round Downlight	15.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
157	Enlite	EN-DLSMR18T/40 -IP54 Round Downlight	18.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29
158	Enviro-Bulb	E55-GU-35WWD (GU10 3000K) 90059	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
159	Enviro-Bulb	E55-GU-35CWD (GU10 4000K) 90060	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
160	Enviro-Bulb	E55-GU-35DWD (GU10 5000K) 90061	5.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 41
161	Enviro-Bulb	E55C-E14-WWD (E14 2700K) 90038	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
162	Enviro-Bulb	E55C-E27-WWD (E27 2700K) 90039	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
163	Enviro-Bulb	E55C-B22-WWD (B22 2700K) 90043	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 24	1 - 43
164	Eurolux	G727CW-LED-GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
165	Eurolux	G478CW GU10 Classic	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
166	Eurolux	G1036CW GU10 Premium	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
167	Eurolux	G1039CW B22 Premium Globe	9.0	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	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
168	Eurolux	G1040CW E27 Premium Globe	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
169	Eurolux	G1038EWW E27 Premium Globe	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 86
170	Eurolux	Candle G977	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
171	Eurolux	Candle G952	6.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 61	1 - 108
172	Eurolux	Carbon Filament E27	60.0	Internal	Trailing Edge	1 - 2	1 - 3	1 - 4	1 - 8	1 - 13
173	Flash	GU10 (600 969 636 8382)	7.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
174	Flash	GU10 (600 969 636 9945)	7.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
175	Flash	LED Filament ST64 Pear E27	4.0	Internal	Trailing Edge	1 - 28	1 - 49	1 - 54	1 - 105	1 - 187
176	Futurelight	GU10 5W Spot	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
177	GAP	SMD LED GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
178	GC	GU10 (LED CUP)	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
179	GC	GU10 VLC-1005Z	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
180	GC	GU10 LED Spot Light	6.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
181	GE	GU10	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
182	GE	Candle E14 270lm	4.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
183	Genesis One	GU10D63	6.3	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
184	Genesis One	GU10D7	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
185	Genesis One	CAND5/27/E14 (Filament Candle)	5.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 58	1 - 103
186	Genstar	GEN5WGU10	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
187	Genstar	GEN7WGU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
188	GEP Power	GU10 460lm	6.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
189	GEP Power	GU10 556lm	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
190	G Light	GU10 36D	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 63
191	G Light	GU10 36D 4000K	6.5	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
192	G Light	GU10 36D ECO 4000K	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76
193	Giantlight	LED Panel, AC 72x LED's	40.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 10	1 - 17
194	GL Lighting	LED Tube T8G06-524-3	24.0	Internal	Leading Edge	1 - 1	1 - 2	1 - 2	1 - 4	1 - 7
195	Hi-Tech	FXCGU10	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
196	Havells	BrightFill Filament Candle	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
197	Havells	BrightFill Filament A60	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
198	Havells	GU10 865 Dim	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
199	Huayi	SAGU02073	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
200	InterEnergy	GU10 "Silver"	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
201	InterEnergy	GU10 "White"	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 17
202	InterEnergy	K50	12.0	External (K50 Driver)	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
203	InterEnergy	G50	8.0	External (G50 Driver)	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
204	InterEnergy	B80	12.0	External (B80 Driver)	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
205	Johnson	GU10 (WW & CW)	6.0	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
206	K. Light	GU10 (COB 550lm)	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
207	K. Light	Filament Bulb UF-L01761-D	4.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
208	Krillux	GUL016 GU10 Glass 3000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
209	Krillux	GUL017 GU10 Glass 4000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
210	Krillux	GUL018 GU10 Glass 6000K	6.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
211	Krillux	GUL023 GU10 3000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
212	Krillux	GUL024 GU10 4000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
213	Krillux	GUL025 GU10 6000K	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 56	1 - 100
214	Krillux	LEC007 LED G9 GLASS 3000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
215	Krillux	LEC008 LED G9 GLASS 4000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
216	Krillux	LEC009 LED G9 GLASS 6000K	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
217	Krillux	GU10 EVE001	5.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
218	Krillux	PEG005 E27 LED PEAR AMBER 2200K	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
219	Krillux	OPG007 E27 LED OPALINA AMBER 2200K G95	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
220	Krillux	OPG008 E27 OPALINA FILAMENT 3000K G125	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
221	Krillux	OPG009 E27 OPALINA FILAMENT 4000K G125	8.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
222	Krillux	CAP010 Candle E14 3000K	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
223	Krillux	CAP011 Candle E14 4000K	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
224	Krillux	CAG021 E14 CANDLE FILAMENT 3000K.	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127
225	Krillux	CAG021 E14 CANDLE FILAMENT 4000K	4.0	Internal	Trailing Edge	1 - 19	1 - 33	1 - 37	1 - 72	1 - 127

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
226	Landmark	RL-5WD-15WW	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
227	LDC	GU10 (001510)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 98
228	LDC	GU10 (001511)	5.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 55	1 - 97
229	LDC	GU10 (001515/D)	6.0	Internal	Trailing Edge	1 - 12	1 - 20	1 - 22	1 - 43	1 - 76
230	LDC	DLV-R 3 inch downlight	14.0	Actec D50022U 500mA	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
231	Ledionopto	GU10C	7.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
232	Ledionopto	TD20 Series downlighter	7.0	350mA driver	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
233	Ledionopto	TD36 Series downlighter	15.0	700mA driver	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
234	Ledionopto	DLV LED 25W NW	25.0	700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 15
235	LED Lumo	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
236	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								
237	LEDwise	ML7-WW-36-AL-D	9.6	External	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
238	Lightbulbmoment	LBM-G4-1.5W-PL03-DIM	1.5	Verbatim LW70	Trailing Edge	1 - 41	1 - 70	1 - 78	1 - 151	1 - 268
239	Lightbulbmoment	LBM-GU10-4.5W-DIM	4.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
240	Lightbulbmoment	LBM-GU10-5W-DIM	5.0	Internal	Leading Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
241	Lightbulbmoment	LBM-GU10-7.5W-DIM	7.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
242	Lightnet	MGM Gimbal 840 36D 300680	25.0	Tridonic LCBI 25W	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
243	Lightnet	DLV Downlight 6 inch	25.0	AcTech D70040NT 700mA	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
244	Limelight	GU10 380lm	4.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 20
245	Lights by Linea	Model 7"	17.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
246	Light Leader (GEP)	GU10-CY2-D	4.5	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
247	Light Leader (GEP)	GU10-COB-YZ-D	7.5	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 14	1 - 25
248	Lightspot	Littleou 420lm GU10	6.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 53	1 - 94
249	Li Zhou	Panel LED 3W	3.0	Li Zhou 4W Driver	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
250	Li Zhou	Panel LED 6W	6.0	Li Zhou 7W Driver	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
251	Li Zhou	Panel LED 9W	9.0	Li Zhou 15W Driver	Leading Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
252	LMR Lighting	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
253	LMR Lighting	GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
254	Lucent	GU10 7WD	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
255	Lucent	E27 Candle 5WD	5.0	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 64	1 - 114
256	Luc-Eco	GU10 (LGDW5W37-01)	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
257	Luc-Eco	GU10 (LGDW5W37-01)	5.0	Internal	Leading Edge	1 - 4	1 - 6	1 - 7	1 - 13	1 - 24
258	Luc-Eco	GU10 (LGU5W380D40W-01)	5.0	Internal	Leading Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
259	Lumaglo	G5-GU10/5.5/DC	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
260	Lumax	LUM-GU10-SMD-SH-4.5W	4.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
261	Lumax	LUM-GU10-COB-SU-5W	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
262	Lumax	GU10 WW	4.5	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
263	Lumax	GU10 (Single LED)	5.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
264	Lumax	GU10 SMD 2835	7.5	Internal	Trailing Edge	3 - 14	3 - 24	3 - 27	3 - 54	3 - 95
265	Lumax	GU10 (Single LED)	8.0	Internal	Trailing Edge	3 - 5	3 - 8	3 - 9	3 - 18	3 - 33
266	Lumax	A60 Bulb	7.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
267	Lumax	A60 Bulb SMD 2835	9.5	Internal	Trailing Edge	3 - 9	3 - 15	3 - 17	3 - 34	3 - 60
268	Lumax	E14 Candle	3.0	Internal	Trailing Edge	1 - 33	1 - 57	1 - 63	1 - 121	1 - 215
269	Lumax	GU10 30SMD	5.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 74	1 - 132
270	Lumax	GU10 (Glass)	5.5	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
271	Lumax	GU10 (LUM-GUDCG/05) – Glass	5.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 65	1 - 116
272	Lumax	Candle E14 (LUM-CD3714/05-3K)	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
273	Lumax	GU10 (LUM-GUD/055-4K)	5.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
274	Lumax	LM-FRP-R75-6W Frameless Panel	6.0	External AcTech	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
275	Lumax	LM-FRP-R100-8W Frameless Panel	8.0	External AcTech	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 70
276	Lumax	S11 G45	5.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
277	Lumax	S11 GU10	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
278	Lumax	S11 C37	5.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
279	Lumax	S11 A60	9.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
280	Lumax	LUM-GD12527/025-2K Filament	2.5	Internal	Trailing Edge	1 - 31	1 - 53	1 - 59	1 - 115	1 - 204
281	Lumax	LUM-GD9527/04-2K Filament	4	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
282	Lumax	LUM-PSD16027/04-2K Filament	4	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
283	Lumax	LUM-STD6427/04-2K Filament	4	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
284	Lumax	LUM-CD3514/04-3K Filament Candle	4	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
285	Lumax	LUM-CD3527/04-3K Filament Candle	4	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 73	1 - 130
286	Lumax	LUM-GUDAW/05-3K AW GU10 DIM	5	Internal	Trailing Edge	3 - 14	3 - 23	3 - 26	3 - 51	3 - 90
287	Lumax	LUM-PLRD85/03-3K Dimmable Panel	3	BT-DL6901W6	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 78	1 - 138
288	Lumax	LUM-PLRD120/06-3K Dimmable Panel	6	BT-DL6901W6	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 69	1 - 123
289	Lumax	LUM-AD6027/06-3K A60 Dimmable	6	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
290	Luminence	K50-R7	9.5	Dimtronic 260mA driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
291	Luxn	LED Spot GU10	5.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
292	Major Tech	GU10 (L2A-D3W)	3.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
293	Major Tech	GU10 (L2A-D5C)	5.0	Internal	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
294	Major Tech	GU10 (LGU10-D5W)	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
295	Major Tech	LED filament E14 (LFC35E14-D4W)	4.0	Internal	Trailing Edge	1 - 25	1 - 43	1 - 48	1 - 92	1 - 163
296	Major Tech	Candle E14 (LC38E14-D48W)	4.8	Internal	Trailing Edge	1 - 22	1 - 38	1 - 42	1 - 81	1 - 143
297	Major Tech	LED filament E27 (LFA60E27-D6W)	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
298	Major Tech	E27 (LA60E27-D7C)	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
299	Major Tech	DLW-9C	9.0	External (MLD-10W)	Leading Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
300	Mezmerize	HL-MZ-5.5W-GU10-D	5.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
301	Mezmerize	HL-MZ-8W-GU10-D	8.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
302	Mezmerize	HL-UDL-003 6W Panel 300mA	6.0	LED-09VATDR 300mA	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
303	Mezmerize	HL-UDL-005 12W Panel 300mA	12.0	LED-09VATDR 300mA	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
304	Mezmerize	Round 18W Panel 300mA	18.0	LED-18VATDR 300mA	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
305	Mezmerize	Round 24W Panel 300mA	24.0	LED-24VATDR 300mA	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
306	Mezmerize	ML-DL-10W-TR	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
307	Mezmerize	ML-Z-4.8W-GU10-2.7K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
308	Mezmerize	ML-Z-4.8W-GU10-4K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
309	Mezmerize	ML-Z-4.8W-GU10-6K-D	4.8	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
310	Mezmerize	ML-Z-G45-4.5W	4.5	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
311	Mezmerize	ML-Z-C37-4.5W	4.5	Internal	Trailing Edge	1 - 25	1 - 43	1 - 48	1 - 94	1 - 166

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
312	Mezmerize	ML-Z-6.8W-GU10-W	6.8	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
313	Mezmerize	ML-Z-A60-9W	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
314	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
315	Mezmerize	Candle C35 Filament	2.0	Internal	Trailing Edge	1 - 31	1 - 54	1 - 60	1 - 116	1 - 207
316	Mezmerize	Antique Edison Bulb ST64	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
317	Mezmerize	Antique Edison Bulb G95	4.0	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
318	Mezmerize	230VAC Strip LED 1m *	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
319	Mezmerize	230VAC LED Tapelight 1m (white/colour)*	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
320	Mezmerize	230VAC LED Neon Flex 1m (white/colour)*	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
321	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
322	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
323	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
324	Meteor	GU10	3.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
325	Meteor	GU10	4.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
326	Meteor	GU10	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
327	NVC	NLED110D (350mA)	9.0	Aurora 1-10W Driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
328	NVC	NLED110D (350mA)	9.0	Aurora 7-10W Driver	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
329	NVC	NLED111D (500mA)	12.0	Aurora 20W Driver	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
330	NVC	G Light GU10	6.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
331	NVC	LED GU10D	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
332	MSI	"I"GU10	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
333	O-Lite	LEDGU10-6WD	6.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
334	O-Lite	OL-CY03 (Cyclops Range)	3.0	O-lite Mini D26004NT	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 71	1 - 126
335	O-Lite	OL-CY06 (Cyclops Range)	6.0	O-lite D26009NT	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
336	O-Lite	OL-CY12 (Cyclops Range)	12.0	O-lite D26012NT	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
337	O-Lite	OL-CY18 (Cyclops Range)	18.0	O-lite D26020NT	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 35
338	Oppl	GU10 Spot Light	5.0	Internal	Trailing Edge	1 - 15	1 - 26	1 - 29	1 - 57	1 - 102
339	Oppl	LED-E-E27-6W-DIM	6.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
340	Oppl	LED E2 GU10 6W DIM	6.0	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	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
341	Oppl	GU10 Spot Light	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
342	OptiLED	Tornado GU10 5.5W	5.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
343	Optique	XOPT3012	12.0	Actec DIM300mA	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 13	1 - 24
344	Optique	OPT3012	12.0	Tridonic LCA 15W	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
345	Optique	XOPT2512	7.0	Tridonic LCBI 14W	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
346	Optique	XOPT4012A	15.0	Tridonic LCA 15W	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 38
347	Osram / Ledvance	Parathom Pro PAR16 50 Advanced R	9.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
348	Osram / Ledvance	Parathom Pro PAR16 50 Advanced R	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
349	Osram / Ledvance	Parathom Pro PAR16 50 Advanced	5.3	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
350	Osram / Ledvance	Parathom Pro PAR16 50 (Adv)	5.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
351	Osram / Ledvance	Parathom Pro MR16 20 Advanced	5.0	HTM70	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
352	Osram / Ledvance	Parathom Pro MR16 35 Advanced	5.9	HTM70, ETP70	Trailing Edge	2 - 12	2 - 21	2 - 23	2 - 47	2 - 83
353	Osram / Ledvance	Parathom Pro MR16 35 Advanced	7.0	HTM70	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 71
354	Osram / Ledvance	Parathom Pro MR16 35 Advanced R	10.0	HTM70	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
355	Osram / Ledvance	Parathom Pro AR111 50 680lm AC12996	10.8	HTM70	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
356	Osram / Ledvance	Parathom Pro LEDSpot AR111 50 Adv.	12.0	HTM70	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
357	Osram / Ledvance	Parathom Classic P25 Advanced	4.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 51
358	Osram / Ledvance	Parathom Classic P40 Advanced	6.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 58	1 - 103
359	Osram / Ledvance	Parathom DIM R80 100	9.6	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
360	Osram / Ledvance	Parathom PAR16 65 Advanced	8.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
361	Osram / Ledvance	Parathom Stick AC21548	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
362	Osram / Ledvance	Parathom Stick AC21550	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
363	Osram / Ledvance	Parathom Stick AC21554	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
364	Osram / Ledvance	Parathom Stick AC21559	11.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
365	Osram / Ledvance	Parathom Stick AC21561	11.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
366	Osram / Ledvance	LED Performance PAR16 50 AC19331 VER 2	5.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 38	1 - 68
367	Osram / Ledvance	LED Performance PAR16 80 625lm AC10154	8.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
368	Osram / Ledvance	LED Performance PAR16 80 625lm AC10155	8.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
369	Osram / Ledvance	LED Performance PAR16 80 (930)	7.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
370	Osram / Ledvance	LED Performance PAR16 80 (940)	7.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
371	Osram / Ledvance	LED Performance MR16 50 630lm AC10144	7.0	HTM70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 57
372	Osram / Ledvance	LED Performance Classic A60 filament AC08113	7.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
373	Osram / Ledvance	LED Performance Classic A60 AC14368	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
374	Osram / Ledvance	LED Superstar PAR16 35 (Adv)	3.6	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107
375	Osram / Ledvance	LED Superstar PAR16 35 Advanced	4.8	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
376	Osram / Ledvance	LED Superstar PAR16 35 Advanced	5.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 88
377	Osram / Ledvance	LED Superstar PAR16 50	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
378	Osram / Ledvance	LED Superstar PAR16 50 Advanced	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
379	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	5.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
380	Osram / Ledvance	LED Superstar PAR16 50 Advanced	5.3	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 44	1 - 78
381	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	5.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
382	Osram / Ledvance	LED Superstar PAR16 50 (Adv)	6.0	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
383	Osram / Ledvance	LED Superstar PAR16 50 Advanced	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
384	Osram / Ledvance	LED Superstar PAR16 50 Advanced	7.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
385	Osram / Ledvance	LED Superstar MR16 50 Advanced	8.5	HTM70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
386	Osram / Ledvance	LED Superstar MR16 35 Advanced	4.9	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
387	Osram / Ledvance	LED Superstar MR16 35 Advanced	5.0	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
388	Osram / Ledvance	LED Superstar MR16 35 Advanced	6.8	HTM70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
389	Osram / Ledvance	LED Superstar MR16 35 Advanced	6.5	HTM70	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
390	Osram / Ledvance	LED Superstar Classic B 25 Advanced	4.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
391	Osram / Ledvance	LED Superstar Classic B 40	5.7	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
392	Osram / Ledvance	LED Superstar Classic B 40 Filament	4.5	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
393	Osram / Ledvance	LED Superstar Classic B 40 Advanced	6.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
394	Osram / Ledvance	LED Superstar Classic P 25 Advanced	4.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 72
395	Osram / Ledvance	LED Superstar Classic A 60	8.5	Internal	Trailing Edge	1 - 7	1 - 13	1 - 14	1 - 28	1 - 49
396	Osram / Ledvance	LED Superstar Classic A 60	9.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
397	Osram / Ledvance	LED Superstar Classic A 60 Filament	6.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
398	Osram / Ledvance	LED Superstar Classic A 60 Advanced	10.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
399	Osram / Ledvance	LED Superstar Classic A 60 Advanced	12.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
400	Osram / Ledvance	LED Superstar Globe 95 60 Advanced	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22
401	Osram / Ledvance	LED Superstar Globe 75	12.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
402	Osram / Ledvance	LEDinestra Advanced	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
403	Osram / Ledvance	Vintage 1906 LED Edison (filament)	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
404	Osram / Ledvance	RDL 2014163	5.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 32	1 - 58
405	Osram / Ledvance	Luxpoint Mini G2	12.0	Internal	Trailing Edge	2 - 7	2 - 12	2 - 13	2 - 26	2 - 46
406	Pharox	MR16 5W	5.0	Pharox Transformer	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
407	Pharox	P200 P45	4.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
408	Pharox	P200 P45	4.0	Internal	Leading Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
409	Pharox	P200 Candle	3.5	Internal	Leading Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
410	Robus	R50GU10D	5.0	Internal	Leading Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
411	Pharox	GU10	5.5	Internal	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
412	Pharox	GU10	5.5	Internal	Leading Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
413	Pharox	P300 GU10	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48
414	Pharox	P600	8.5	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 20	1 - 36
415	Pharox	#105010 360lm (Candle)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
416	Pharox	#105011 320lm (Flame Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
417	Pharox	#105012 410lm (Candle Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
418	Pharox	#105510 400lm (Filament)	4.0	Internal	Trailing Edge	1 - 32	1 - 55	1 - 61	1 - 119	1 - 210
419	Pharox	#106010 360lm (Bulb)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
420	Pharox	#106011 400lm (Filament)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
421	Pharox	#106012 320lm (Flame Filament)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
422	Pharox	#106510 600lm (Filament)	6.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
423	Pharox	P800 A60 Lamp 470lm	7.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
424	Pharox	P800 A60 Lamp 810lm	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 42
425	Pio LED	GU10	3.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95
426	Pio LED	GU10	4.5	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 79
427	Pio LED	GU10	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 43	1 - 76

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
428	Pio LED	GU10	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
429	Pio LED	GU10 600lm	6.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 86
430	Pio LED	LED Filament Candle	4.0	Internal	Trailing Edge	1 - 23	1 - 40	1 - 44	1 - 86	1 - 152
431	Pio LED	LED Candle Lite	4.5	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
432	Pio LED	Filament LED Bulb (A60)	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
433	Pio LED	LED Ceiling panel	40.0	Pio S-48-24 driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 9	1 - 16
434	Pio LED	LED Ceiling panel	65.0	Pio S-72-24 driver	Trailing Edge	1 - 1	1 - 2	1 - 2	1 - 5	1 - 9
435	Pio LED	LED Panel Light	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 32
436	Pio LED	230VAC LED Tapelight 1m *	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
437	Philips	Master LEDspot GU10 40D	4.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 33	1 - 58
438	Philips	Master LEDspot GU10 MV Value	4.3	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 63	1 - 112
439	Philips	Master LEDspot GU10 MV Value	5.3	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
440	Philips	Master LEDspot GU10 40D (MV)	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 50
441	Philips	Master LEDspot GU10 40D	7.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 28	1 - 50
442	Philips	Master LEDspot GU10 40D	8.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 13	1 - 22
443	Philips	Master LEDspot GU10 PF	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 47
444	Philips	Master LEDcandle E14	3.0	Internal	Trailing Edge	1 - 15	1 - 25	1 - 28	1 - 54	1 - 96
445	Philips	Master LEDcandle E14 Deco Classic	4.5	Internal	Trailing Edge	1 - 17	1 - 30	1 - 33	1 - 65	1 - 115
446	Philips	Master LEDbulb E27	12.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
447	Philips	Master LEDspot GU5.3 MR16	7.0	External	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
448	Philips	Master LEDspot GU5.3 MR16	10.0	External	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
449	Philips	Master LEDspot GU10 MV	5.4	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
450	Philips	Master LEDspot GU10 MV Value	3.5	Internal	Trailing Edge	1 - 19	1 - 32	1 - 36	1 - 70	1 - 124
451	Philips	Master LEDspot ExpertColor GU10	3.9	Internal	Trailing Edge	1 - 20	1 - 34	1 - 38	1 - 75	1 - 133
452	Philips	Master LEDspot Value GU10	4.9	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
453	Philips	Master LEDspot MV GU10	5.0	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
454	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
455	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
456	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

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
457	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
458	Radiant	LED 140 GU10	5.0	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 66	1 - 116
459	Radiant	LED 121 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
460	Radiant	LED 122 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
461	Radiant	LED 025	25.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
462	Radiant	LED 032	32.0	Radiant D700040NT	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
463	Radiant	LED076 GU10 6.5W	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
464	Radiant	GU10 6.5W	6.5	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 18	1 - 33
465	Radiant	GU10	5.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107
466	Radiant	GU10 8W Sharp	8.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
467	Radiant	5.4W Downlighter LDL001	5.4	Radiant 350mA driver	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 81
468	Radiant	9.7W Downlighter LDL002	9.7	Radiant 350mA driver	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
469	Radiant	23W Downlighter LDL025	23.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
470	Radiant	23W Downlighter LDL009	23.0	Radiant 700mA driver	Trailing Edge	1 - 2	1 - 4	1 - 4	1 - 8	1 - 13
471	Radium	RaLED PAR16 50 (431 19056)	4.6	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 93
472	Radium	RL-A60 DIM	10.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
473	Regent Lighting	Perox RS10W- 500mA	10.0	Lumotech Minidim 12VA	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 47
474	Regent Lighting	Module 25W	25.0	Tridonic LCBI 25W	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 26
475	Renesola	GU10 (RG10D006AY03)	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
476	Renesola	Candle (RCD007AE01)	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
477	Renesola	Bulb A60 (RA60D009AE01)	9.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
478	Robus	RTA9P230	9.2	Internal	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
479	Robus	9WDLCCCT3	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
480	Robus	RF7LEDDWW	9.0	Robus R10LED200DB	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
481	Robus	Taylor 3CCT	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 61
482	SAA	SP77 GU10	8.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
483	SAA	SP91 GU10	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 45	1 - 80
484	SAA	SP95 GU10	9.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 11	1 - 19
485	Samsung	SI-M8V073BD1EU PAR16	6.7	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 29

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
486	Samsung	SI-M8W0773BD1EU PAR16	6.7	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
487	Samsung	SI-M8V093BD1EU PAR16	7.7	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 28
488	Seoul Semi	Acrich AC3-2	5.0	COB	Trailing Edge	1 - 21	1 - 36	1 - 40	1 - 77	1 - 136
489	Schiefer Lighting	LF023841502 E14 Filament 140lm	1.5	Internal	Trailing Edge	1 - 75	1 - 130	1 - 144	1 - 277	1 - 492
490	Schiefer Lighting	LF023840302 E14 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
491	Schiefer Lighting	LF023830302 E14 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
492	Schiefer Lighting	LF023821502 E27 Filament 150lm	1.5	Internal	Trailing Edge	1 - 75	1 - 130	1 - 144	1 - 277	1 - 492
493	Schiefer Lighting	L023871302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 26	1 - 45	1 - 50	1 - 96	1 - 170
494	Schiefer Lighting	LF023870509 E27 Filament 140lm	5.5	Internal	Trailing Edge	1 - 18	1 - 31	1 - 34	1 - 65	1 - 116
495	Schiefer Lighting	L023810302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 24	1 - 41	1 - 46	1 - 90	1 - 159
496	Schiefer Lighting	LF023880302 E27 Filament 320lm	4.0	Internal	Trailing Edge	1 - 24	1 - 41	1 - 46	1 - 90	1 - 159
497	Smartglo	GU10-6W	6.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
498	Spazio Lighting	GU10 (LA 410540180902)	5.0	Internal	Trailing Edge	1 - 3	1 - 5	1 - 5	1 - 10	1 - 18
499	Spazio Lighting	GU10 (LA 4205903640)	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
500	Spazio Lighting	GU10 (LA 4207983627) 2700K	7.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
501	Spazio Lighting	GU10 (LA 4207983640) 4000K	7.5	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
502	Spazio Lighting	GU10 LED BULB	5.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
503	Spazio Lighting	GU10 410/40100702	7.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
504	Spazio Lighting	GU10 LA 410730200702	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 46	1 - 81
505	Spazio Lighting	GU10 (LA 42059027) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
506	Spazio Lighting	GU10 (LA 410530191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
507	Spazio Lighting	GU10 (LA 410540191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
508	Spazio Lighting	GU10 (LA 410560191102) SMD CRI80	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
509	Spazio Lighting	GU10 (LA 42059040) SMD CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
510	Spazio Lighting	GU10 (LA 4205903627) 2700K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
511	Spazio Lighting	GU10 (LA 4205903630) 3000K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
512	Spazio Lighting	GU10 (LA 4205903640) 4000K CRI90	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
513	Spazio Lighting	GU10 (LA 42059065)	5.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
514	Spazio Lighting	GU10 (LA 42059032) SMD CRI90	5.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 54	1 - 95

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
515	Spazio Lighting	Candle filament lamp (LA 4303504ES2701)	4.0	Internal	Trailing Edge	1 - 27	1 - 46	1 - 51	1 - 99	1 - 175
516	Spazio Lighting	TCI LD0091A (900mA x 4)	31.0	Tridonic LCBI 25W	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 21
517	Spazio Lighting	LED Panel lamp PR225A	18.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
518	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
519	Sunlit Technologies	LED GU10 (#20436) Cool White	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
520	Sunlit Technologies	LED GU10 (#20429) Warm White	5.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 54
521	Sunlit Technologies	LED GU10	7.0	Internal	Trailing Edge	1 - 16	1 - 27	1 - 30	1 - 59	1 - 105
522	Sunlit Technologies	LED A60 (#20207) Cool White	10.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
523	Sunlit Technologies	LED A60 (#20214) Warm White	10.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 45
524	Sunseon	T5 Dimmable LED Tube 1150mm	21.0	Sunseon	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 54
525	Sylvania	RefLED MR16 Eco (non dimmable)	6.5	External	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 37
526	Sylvania	RefLED+ ES50	6.8	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
527	Sylvania	RefLED+ ES50 V2	5.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
528	Sylvania	RefLED Superia ES50 V2.1	6.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
529	Sylvania	RefLED+ ES50 GU10 Dim 830	5.5	Internal	Trailing Edge	1 - 11	1 - 18	1 - 20	1 - 39	1 - 70
530	Sylvania	RefLED+ ES50 GU10 Dim 830 40d SL	6.5	Internal	Trailing Edge	1 - 4	1 - 6	1 - 7	1 - 15	1 - 27
531	Sylvania	RefLED ES50	5.5	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 90
532	Sylvania	RefLED ES50 Hi-Spot GU10	6.5	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92
533	Synerji	GU10	5.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 42
534	Synerji	GU10 (0517)	5.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
535	Synerji	GU10 (0517)	6.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
536	Synerji	GU10 (0916)	6.5	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 23	1 - 41
537	Synerji	GU10 (0418, 0719)	6.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
538	Synerji	GU10	7.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 21	1 - 38
539	Synerji	Candle (1215)	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 45
540	Synerji	Candle (0918)	5.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 48	1 - 85
541	Synerji	Candle (0719)	5.5	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 40	1 - 72
542	Synerji	GLS Lamp E27 (0719)	10.0	Internal	Trailing Edge	1 - 6	1 - 11	1 - 12	1 - 24	1 - 43
543	Swiss LED	GU10 SWISLGU55ED65	5.5	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 48

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
544	Swiss LED	GU10 E390SGNCA	5.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
545	Swiss LED	Bulb S2E0210D	10.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 63
546	Venture Lighting	VLED DOM026	6.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
547	Venture Lighting	SPL071	5.0	Internal	Trailing Edge	1 - 12	1 - 20	1 - 22	1 - 43	1 - 76
548	Venture Lighting	SPL073	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 34	1 - 60
549	Venture Lighting	SPL070	12.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
550	Verbatim	#52017 PAR38 (E27)	18.0	Internal	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 16	1 - 29
551	Verbatim	#52019 Classic A E27	9.0	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
552	Verbatim	#52028 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
553	Verbatim	#52034 E27	20.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
554	Verbatim	#52040 GU10	6.0	Internal	Trailing Edge	1 - 14	1 - 23	1 - 26	1 - 51	1 - 91
555	Verbatim	#52041 GU10	8.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
556	Verbatim	#52045 GU10	6.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
557	Verbatim	#52047 Classic B E14	3.7	Internal	Trailing Edge	1 - 17	1 - 29	1 - 32	1 - 62	1 - 111
558	Verbatim	#52049 GU10	7.0	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 106
559	Verbatim	#52200 GU10	7.0	Internal	Trailing Edge	1 - 12	1 - 21	1 - 23	1 - 47	1 - 83
560	Verbatim	#52205 AR111 G53	15.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 33
561	Verbatim	#52206 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
562	Verbatim	#52207 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
563	Verbatim	#52208 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
564	Verbatim	#52209 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
565	Verbatim	#52210 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
566	Verbatim	#52211 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
567	Verbatim	#52212 MR16	3.5	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 36	1 - 64
568	Verbatim	#52214 GU10	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
569	Verbatim	#52217 GU10	7.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 42	1 - 74
570	Verbatim	#52220 Classic A E27	7.5	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 65
571	Verbatim	#52224 MR16	6.5	Verbatim LW70	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 30	1 - 53
572	Verbatim	#52225 E27	7.7	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	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
573	Verbatim	#52230 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
574	Verbatim	#52231 MR16	7.0	Verbatim LW70	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 37	1 - 66
575	Verbatim	#52235 GU10	7.3	Internal	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 106
576	Verbatim	#52310 GU10	8.5	Internal	Trailing Edge	1 - 9	1 - 15	1 - 17	1 - 35	1 - 62
577	Verbatim	#52308 GU10	6.0	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 27	1 - 47
578	Verbatim	#52322 E27 Globe	8.8	Internal	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 26	1 - 46
579	Verbatim	#52336 E27 Globe	9.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 16	1 - 32	1 - 56
580	Verbatim	#52611 G95 Large Globe	10.0	Internal	Trailing Edge	1 - 6	1 - 10	1 - 11	1 - 22	1 - 39
581	Verbatim	#52350 GU10	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
582	Verbatim	#52351 GU10	8.0	Internal	Trailing Edge	1 - 10	1 - 17	1 - 19	1 - 39	1 - 69
583	Verbatim	#52343 AR111	10.0	Verbatim #52900 (70W)	Trailing Edge	1 - 7	1 - 12	1 - 13	1 - 25	1 - 44
584	Verbatim	#64656 GU10	8.5	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 31	1 - 55
585	Verbatim	#65110 GU10	6.5	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 49	1 - 87
586	Verbatim	#65421 GU10 Warm-dim	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
587	Verbatim	AR111 ("non-dimmable")	14.5	Internal	Trailing Edge	1 - 3	1 - 5	1 - 6	1 - 12	1 - 22
588	Vossloh-Schwabe	GU10 #556799	6.0	Internal	Trailing Edge	1 - 5	1 - 8	1 - 9	1 - 19	1 - 34
589	Vossloh-Schwabe	GU10 #553220	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
590	Vossloh-Schwabe	GU10 #553221	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
591	Vossloh-Schwabe	GU10 #541126	7.0	Internal	Trailing Edge	1 - 13	1 - 23	1 - 25	1 - 50	1 - 89
592	Vossloh-Schwabe	LED COB Module #559774	10.0	Internal	Trailing Edge	1 - 11	1 - 19	1 - 21	1 - 41	1 - 73
593	Vossloh-Schwabe	LED COB Module #559779	15.0	Internal	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 52
594	Vossloh-Schwabe	LED COB Module #559784	20.0	Internal	Trailing Edge	1 - 5	1 - 9	1 - 10	1 - 21	1 - 36
595	Vossloh-Schwabe	Pro Series #550880	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
596	Vossloh-Schwabe	Pro Series #550882	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
597	Vossloh-Schwabe	Pro Series #550884	12.0	External Integrated	Trailing Edge	1 - 8	1 - 14	1 - 15	1 - 29	1 - 51
598	Vossloh-Schwabe	Pro Series #550885	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
599	Vossloh-Schwabe	Pro Series #550886	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
600	Vossloh-Schwabe	Pro Series #550887	18.0	External Integrated	Trailing Edge	1 - 4	1 - 7	1 - 8	1 - 17	1 - 30
601	Uniontech SA	GU10	5.0	Internal	Trailing Edge	1 - 14	1 - 24	1 - 27	1 - 52	1 - 92

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

NO	LED BRAND	MODEL	W	DRIVER	DIMMING MODE (recommended)	MAXIMUM NUMBER OF LEDs				
						125W	225W	250W	500W	800W
602	Zebbies	GU10 (#3799)	5.3	Internal	Trailing Edge	1 - 13	1 - 22	1 - 24	1 - 47	1 - 83
603	Generic	230VAC LED Striplight 60 LED/m *	8.25/m	Rectified Mains	Trailing Edge	1 - 16	1 - 28	1 - 31	1 - 60	1 - 107

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 35⁰C)
 - 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