

USA LUXR REMOTE POWER SUPPLY SELECTION CHART - M4 RANGE

USA AND CANADA CUSTOMERS ONLY

RECOMMENDED TRANSFORMERS, 12VAC VERSION FIXTURES, (PARALLEL WIRING)							
TRANSFORMER MODEL	OUTPUT WATTAGE	OUTPUT VOLTAGE VAC	AC INPUT VOLTAGE	LOW VOLTAGE MAGNETIC DIMMING	FIXTURE WATTAGE (EACH)	UNOBSTRUCTED DELIVERED LUMENS	MAXIMUM FIXTURES PER TRANSFORMER
SEB12AC-60W	60	12	120V	YES	5W	360	9*
WM100	100	12, 13, 14	120V	YES	5W	360	16*
1023-12-SS	150	12, 13, 14, 15	120V	YES	5W	360	24*
WM200	200	12, 13, 14	120V	YES	5W	360	32*
WM300	300	12, 13, 14	120V	YES	5W	360	48*
1101-12-SS	300	12, 13, 14, 15	120V	YES	5W	360	48*

* Please check voltage drop calculators on the last pages for guidance on run distances and wire gauge

RECOMMENDED CONSTANT CURRENT DRIVERS, REMOTE SERIES VERSION FIXTURES, (SERIES WIRING)							
DRIVER MODEL	OUTPUT CURRENT	OUTPUT VOLTAGE RANGE DC	AC INPUT VOLTAGE	DIMMING	NOMINAL FIXTURE WATTAGE (EA)	UNOBSTRUCTED DELIVERED LUMENS	FIXTURES PER DRIVER

SUITABLE FOR TRIAC DIMMERS:

LD20W-28-C0700-LE	700 MA	14-28V	100-277V	TRIAC	4W	360	2-3
LD25W-36-C0700-LE	700 MA	12-36V	90-305V	TRIAC	4W	360	2-5

SUITABLE FOR ELV (ELECTRONIC LOW VOLTAGE) DIMMERS:

LED-18DC-700	700 MA	4-26V	120-277V	ELV	4W	360	1-3
LD20W-28-C0700-TE	700 MA	14-28V	100-277V	ELV	4W	360	2-3
LD25W-36-C0700-TE	700 MA	12-36V	90-305V	ELV	4W	360	2-5

SUITABLE FOR 0-10V DIMMERS/CONTROLLERS:

LD20W-28-C0700-RD	700 MA	14-28V	100-277V	0-10V	4W	360	2-3
LD25W-36-C0700-RD	700 MA	12-36V	90-305V	0-10V	4W	360	2-5
TCI-122413	700MA	3-57V	99-264V	0-10V	4W	360	1-8

PC-17-02	PolyCase Enclosure W/Mounting Kit and Standoff*
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* Polycase enclosure is required for UL approval

240V @ LF REMOTE POWER SUPPLY SELECTION CHART - A (Range

240V CUSTOMERS ONLY

RECOMMENDED TRANSFORMERS, 12V57 VERSION FIXTURES, (PARALLEL WIRING)							
TRANSFORMER MODEL	OUTPUT WATTAGE	OUTPUT VOLTAGE VAC	AC INPUT VOLTAGE	LOW VOLTAGE MAGNETIC DIMMING	FIXTURE WATTAGE (EACH)	UNOBSTRUCTED DELIVERED LUMENS	MAXIMUM FIXTURES PER TRANSFORMER
IG50	50	12	240V	YES	5W	H10	8*
WM100	100	12, 13, 14	240V	YES	5W	H10	16*
IG100	100	12	240V	YES	5W	H10	16*
IG150	150	12	240V	YES	5W	H10	24*
WM200	200	12, 13, 14	240V	YES	5W	H10	32*
IG200	200	12	240V	YES	5W	H10	32*
WM300	300	12, 13, 14	240V	YES	5W	H10	48*

* Please check voltage drop calculators on the last pages for guidance on run distances and wire gauge

RECOMMENDED CONSTANT CURRENT DRIVERS, F9A CH9 SERIES VERSION FIXTURES, (SERIES WIRING)							
DRIVER MODEL	OUTPUT CURRENT	OUTPUT VOLTAGE RANGE DC	AC INPUT VOLTAGE	DIMMING	NOMINAL FIXTURE WATTAGE (EA)	UNOBSTRUCTED DELIVERED LUMENS	FIXTURES PER DRIVER
ŠOT1 €DP	700MA	G11V	F1 €2J1V	0-10V	4W	H10	1-1H

SUITABLE FOR 0-10V DIMMERS/CONTROLLERS:

ŠOT1 €DP	700MA	G11V	F1 €2J1V	0-10V	4W	H10	1-1H
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Load - Lamp Wattage	Distance for 2.5mm (14AWG)	Distance for 4.0mm (12AWG)	Distance for 6.0mm (10AWG)	Distance for 10mm (8AWG)	Distance for 16mm (6AWG)	Distance for 25mm (3AWG)
20 watts	40mtr (43yds)	65mtr (70yds)	97mtr (105yds)	164mtr (177yds)	255mtr (276yds)	512mtr (555yds)
40 watts	20mtr (21.5yds)	32mtr (34.5yds)	48mtr (52yds)	81mtr (88yds)	128mtr (139yds)	258mtr (280yds)
50 watts	16mtr (17yds)	25mtr (27yds)	38mtr (41yd)	65mtr (70.5yds)	102mtr (111yds)	204mtr (221yds)
60 watts	13mtr (14yds)	20mtr (21.5yds)	32mtr (34.5yds)	54mtr (58.5yds)	85mtr (92yds)	170mtr (184yds)
70 watts	11mtr (12yds)	18mtr (19.5yds)	27mtr (29yds)	46mtr (50yds)	73mtr (79yds)	146mtr (158yds)
80 watts	10mtr (11yds)	16mtr (17yds)	24mtrs (26yds)	40mtr (43yds)	63mtr (68yds)	127mtr (137yds)
90 watts	8.5mtr (9.2yds)	14mtr (15.2yds)	21mtr (22.7yds)	35mtr (38yds)	56mtr (53yds)	113mtr (122yds)
100 watts	8mtr (8.6yds)	13mtr (14yds)	19mtr (20.5yds)	33mtr (35.7yds)	51mtr (55yds)	102mtr (110yds)
120 watts	6mtr (6.5yds)	10mtr (11yds)	16mtr (17yds)	27mtr (29yds)	42mtr (45.5yds)	85mtr (92yds)
150 watts	5.2mtr (5.6yds)	8.3mtr (9yds)	13mtr (14yds)	21mtr (23yds)	34mtr (36.8yds)	68mtr (73.6yds)
200 watts	4mtr (4.3yds)	6.5mtr (7yds)	10mtr (10.8yds)	16mtr (17.3yds)	25.5mtr (27.6yds)	51mtr (55yd)
250 watts	3.1mtr (3.3yds)	5mtr (5.4yds)	8mtr (8.6yds)	12.6mtr (13.6yds)	20.3mtr (22yds)	41mtr (44.4yds)
300 watts	2.5mtr (2.7yds)	4.2mtr (4.55yds)	6.7mtr (7.2yds)	10.7mtr (11.6yds)	16.9mtr (18.3yds)	33.8mtr (36.6yds)

(this chart is a guide only - no load output voltage of the transformer may vary)

Metric to American Wire Gauge Conversion Chart

Metric Conductor Size	American Wire Gauge (Actual size in mm ²)
1.0mm ²	#18 (0.823)
1.5mm ²	#16 (1.31)
2.5mm ²	#14 (2.68)
4.0mm ²	#12 (3.31)
6.0mm ²	#10 (5.26)
10mm ²	# 8 (8.37)
16mm ²	# 6 (13.03)
25mm ²	# 3 (26.67) *
35mm ²	# 2 (33.62) *
50mm ²	# 1/0 (53.49)
70mm ²	# 2/0 (67.43)
95mm ²	# 4/0 (85.01) *

(*AWG size is the nearest to metric sizing).

REMOTE CONSTANT CURRENT DRIVER VOLTAGE DROP CHART					
		M4 FIXTURES			
Max. Distance Mtrs.	Min. Cable Size @ 350 mA	Min. Cable Size @ 500 mA	Min. Cable Size @ 700 mA	Min. Cable Size @ 900 mA	Min. Cable Size 1,050 mA
100	.5mm / 22AWG	.5mm / 22AWG	1.0mm / 20AWG	1.0mm / 18AWG	1.5mm / 16AWG
200	.5mm / 20AWG	1.0mm / 18AWG	1.5mm / 16AWG	2.0mm / 14AWG	2.0mm / 14AWG
300	1.0mm / 18AWG	1.5mm / 16AWG	1.5mm / 16AWG	3.3mm / 12AWG	3.3mm / 12AWG
400	1.5mm / 16AWG	1.5mm / 16AWG	2.0mm / 14AWG	3.3mm / 12AWG	5.2mm / 10AWG
500	1.5mm / 16AWG	2.0mm / 14AWG	3.3mm / 12AWG	5.2mm / 10AWG	5.2mm / 10AWG
Max. Fixtures	22	22	22	16	14
		MICRO, M1, M2, V1			
Max. Distance Mtrs.	Min. Cable Size @ 350 mA	Min. Cable Size @ 500 mA	Min. Cable Size @ 700 mA	Min. Cable Size @ 900 mA	Min. Cable Size 1,050 mA
100	.5mm / 22AWG	.5mm / 22AWG	1.0mm / 20AWG	1.0mm / 18AWG	1.5mm / 16AWG
200	.5mm / 20AWG	1.0mm / 18AWG	1.5mm / 16AWG	2.0mm / 14AWG	2.0mm / 14AWG
300	1.0mm / 18AWG	1.5mm / 16AWG	1.5mm / 16AWG	3.3mm / 12AWG	3.3mm / 12AWG
400	1.5mm / 16AWG	1.5mm / 16AWG	2.0mm / 14AWG	3.3mm / 12AWG	5.2mm / 10AWG
500	1.5mm / 16AWG	2.0mm / 14AWG	3.3mm / 12AWG	5.2mm / 10AWG	5.2mm / 10AWG
Max. Fixtures	11	11	11	8	7

This is meant as a guide only used in conjunction with a LUXR driver. Cable type should be stranded only.