

1. HUNZA 240V REMOTE POWER SUPPLY SELECTION CHART - 6 Watt Range

RECOMMENDED TRANSFORMERS, 12V VERSION PROMUS MR16 LED LAMP 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	6W	320	6*
WM100	100	12, 13, 14	240V	YES	6W	320	13*
IG100	100	12	240V	YES	6W	320	12*
IG150	150	12	240V	YES	6W	320	18*
WM200	200	12, 13, 14	240V	YES	6W	320	26*
IG200	200	12	240V	YES	6W	320	26*
WM300	300	12, 13, 14	240V	YES	6W	320	40*

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

RECOMMENDED TRANSFORMERS, 12V VERSION PURE LED 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	7W	600	5*
WM100	100	12, 13, 14	240V	YES	7W	600	10*
IG100	100	12	240V	YES	7W	600	10*
IG150	150	12	240V	YES	7W	600	15*
WM200	200	12, 13, 14	240V	YES	7W	600	20*
IG200	200	12	240V	YES	7W	600	20*
WM300	300	12, 13, 14	240V	YES	7W	600	30*

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

RECOMMENDED CONSTANT CURRENT DRIVERS, SERIES VERSION PURE LED 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
TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	6W	600	1-7

SUITABLE FOR 0-10V & DALI DIMMERS/CONTROLLERS:

TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	6W	600	1-7
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2. 240V HUNZA REMOTE POWER SUPPLY SELECTION CHART - 4 Watt Euro Range

RECOMMENDED TRANSFORMERS, 12V VERSION LED DROP-IN LAMP 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	3W	120	13*
WM100	100	12, 13, 14	240V	YES	3W	120	26*
IG100	100	12	240V	YES	3W	120	26*
IG150	150	12	240V	YES	3W	120	40*
WM200	200	12, 13, 14	240V	YES	3W	120	50*
IG200	200	12	240V	YES	3W	120	50*
WM300	300	12, 13, 14	240V	YES	3W	120	75*

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

RECOMMENDED TRANSFORMERS, 12V VERSION PURE LED 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	420	8*
WM100	100	12, 13, 14	240V	YES	5W	420	16*
IG100	100	12	240V	YES	5W	420	16*
IG150	150	12	240V	YES	5W	420	24*
WM200	200	12, 13, 14	240V	YES	5W	420	32*
IG200	200	12	240V	YES	5W	420	32*
WM300	300	12, 13, 14	240V	YES	5W	420	48*

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

RECOMMENDED CONSTANT CURRENT DRIVERS, SERIES VERSION PURE LED 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
TCI-122413EN	700MA	3-71V	99-264V	0-10V/DALI	4W	420	1-10

SUITABLE FOR 0-10V DIMMERS/CONTROLLERS:

TCI-122413EN	700MA	3-71V	99-264V	0-10V/DALI	4W	420	1-10
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3. 240V HUNZA REMOTE POWER SUPPLY SELECTION CHART - 2W Range

RECOMMENDED TRANSFORMERS, 12V VERSION LED DROP-IN LAMP 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	3W	120	13*
WM100	100	12, 13, 14	240V	YES	3W	120	26*
IG100	100	12	240V	YES	3W	120	26*
IG150	150	12	240V	YES	3W	120	40*
WM200	200	12, 13, 14	240V	YES	3W	120	50*
IG200	200	12	240V	YES	3W	120	50*
WM300	300	12, 13, 14	240V	YES	3W	120	80*

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

RECOMMENDED TRANSFORMERS, 12V VERSION PURE LED 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	3W	120	13*
WM100	100	12, 13, 14	240V	YES	3W	120	26*
IG100	100	12	240V	YES	3W	120	26*
IG150	150	12	240V	YES	3W	120	40*
WM200	200	12, 13, 14	240V	YES	3W	120	50*
IG200	200	12	240V	YES	3W	120	50*
WM300	300	12, 13, 14	240V	YES	3W	120	80*

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

RECOMMENDED CONSTANT CURRENT DRIVERS, SERIES VERSION PURE LED FIXTURES, (SERIES WIRING)							
DRIVER MODEL	OUTPUT CURRENT	OUTPUT VOLTAGE RANGE DC	AC INPUT VOLTAGE	DIMMING	NOMINAL FIXTURE WATTAGE (EA)	DELIVERED LUMENS	FIXTURES PER DRIVER
TCI-1224123EN	700MA	3-71V	99-264V	0-10V/DALI	2W	120	1-22

SUITABLE FOR 0-10V & DALI DIMMERS/CONTROLLERS:

TCI-1224123EN	700MA	3-71V	99-264V	0-10V/DALI	2W	120	1-22
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4. 240V HUNZA REMOTE POWER SUPPLY SELECTION CHART - 3W Cube Range

RECOMMENDED TRANSFORMERS, 12V VERSION PURE LED 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	4W	180	12*
WM100	100	12, 13, 14	240V	YES	4W	180	20*
IG100	100	12	240V	YES	4W	181	20*
IG150	150	12	240V	YES	4W	180	30*
WM200	200	12, 13, 14	240V	YES	4W	180	40*
IG200	200	12	240V	YES	4W	181	40*
WM300	300	12, 13, 14	240V	YES	4W	180	60*

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

RECOMMENDED CONSTANT CURRENT DRIVERS, SERIES VERSION PURE LED 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
TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	3W	180	1-15

SUITABLE FOR 0-10V & DALI DIMMERS/CONTROLLERS:

TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	3W	180	1-15
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5. 240V HUNZA REMOTE POWER SUPPLY SELECTION CHART - POOL/POND LITES

RECOMMENDED TRANSFORMERS, 12V VERSION DROP-IN MR16 LED LAMP FIXTURES, (PARALLEL WIRING)

TRANSFORMER MODEL	OUTPUT WATTAGE	OUTPUT VOLTAGE VAC	AC INPUT VOLTAGE	DIMMING	FIXTURE WATTAGE (EACH)	DELIVERED LUMENS	MAXIMUM FIXTURES PER TRANSFORMER
WM300	300	12, 13, 14	240V	PHASE	6W	320	40*

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

RECOMMENDED TRANSFORMERS, 12V VERSION PROMUS MR16 LED LAMP FIXTURES (PARALLEL WIRING)

TRANSFORMER MODEL	OUTPUT WATTAGE	OUTPUT VOLTAGE VAC	AC INPUT VOLTAGE	DIMMING	FIXTURE WATTAGE (EACH)	DELIVERED LUMENS	MAXIMUM FIXTURES PER TRANSFORMER
WM300	300	12, 13, 14	240V	PHASE	7W	600	30*

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

6. 240V HUNZA REMOTE POWER SUPPLY SELECTION CHART - Washer 9W

RECOMMENDED TRANSFORMERS, 12V VERSION PURE LED 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	7W	420	5*
WM100	100	12, 13, 14	240V	YES	7W	420	10*
IG100	100	12	240V	YES	7W	420	10*
IG150	150	12	240V	YES	7W	420	15*
WM200	200	12, 13, 14	240V	YES	7W	420	20*
IG200	200	12	240V	YES	7W	420	20*
WM300	300	12, 13, 14	240V	YES	7W	420	30*

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

RECOMMENDED CONSTANT CURRENT DRIVERS, SERIES VERSION PURE LED 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
TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	9W	600	1-4

SUITABLE FOR 0-10V & DALI DIMMERS/CONTROLLERS:

TCI-122413EN	1050MA	3-48V	99-264V	0-10V/DALI	9W	600	1-4
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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)	24mtr (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).

HUNZA REMOTE CONSTANT CURRENT DRIVER VOLTAGE DROP CHART					
		CREE XPG CHIPS			
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. Fittings	22	22	22	16	14
		CREE XHP CHIPS			
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. Fittings	11	11	11	8	7

This is meant as a guide only used in conjunction with a HUNZA driver. Cable type should be stranded only. ©2018 Copyright HUNZA Productions Ltd.