



Quick Reference Guide

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MR8 | MR11 | AR11

MR8 2700K 15° CANDLEPOWER=491.27		
Distance	Foot Candles	
2 ft	6"	122.82
4 ft	1' 1"	30.70
6 ft	1' 7"	13.65
8 ft	2' 1"	7.68
10 ft	2' 8"	4.91
15 ft	3' 11"	2.18
20 ft	5' 3"	1.23
30ft	7' 11"	0.55
40 ft	10' 6"	0.31
50 ft	13' 2"	0.20

MR8 2700K 30° CANDLEPOWER=263.11		
Distance	Foot Candles	
2 ft	1' 1"	65.78
4 ft	2' 2"	16.44
6 ft	3' 3"	7.31
8 ft	4' 3"	4.11
10 ft	5' 4"	2.63
15 ft	8'	1.17
20 ft	10' 9"	0.66
30ft	16' 1"	0.29
40 ft	21' 5"	0.16
50 ft	26' 10"	0.11

MR8 2700K 60° CANDLEPOWER=76.9		
Distance	Foot Candles	
2 ft	2' 4"	19.23
4 ft	4' 8"	4.81
6 ft	6' 11"	2.14
8 ft	9' 3"	1.20
10 ft	11' 6"	0.77
15 ft	17' 4"	0.34
20 ft	23' 1"	0.19
30ft	37' 7"	0.09
40 ft	46' 2"	0.05
50 ft	57' 8"	0.03

MR8 2700K 120° CANDLEPOWER=41.45		
Distance	Foot Candles	
2 ft	6' 11"	10.36
4 ft	13' 10"	2.59
6 ft	20' 9"	1.15
8 ft	27' 9"	0.65
10 ft	34' 8"	0.41
15 ft	52'	0.18
20 ft	69' 3"	0.10
30ft	103' 11"	0.05
40 ft	138' 7"	0.03
50 ft	173' 2"	0.02

MR11/AR11 2700K 15° CANDLEPOWER=914.21		
Distance	Foot Candles	
2 ft	6"	228.55
4 ft	1' 1"	57.14
6 ft	1' 7"	25.39
8 ft	2' 1"	14.28
10 ft	2' 8"	9.14
15 ft	3' 11"	4.06
20 ft	5' 3"	2.29
30ft	7' 11"	1.02
40 ft	10' 6"	0.57
50 ft	13' 2"	0.37

MR11/AR11 2700K 30° CANDLEPOWER=274.57		
Distance	Foot Candles	
2 ft	1' 1"	65.78
4 ft	2' 2"	16.44
6 ft	3' 3"	7.31
8 ft	4' 3"	4.11
10 ft	5' 4"	2.63
15 ft	8'	1.17
20 ft	10' 9"	0.66
30ft	16' 1"	0.29
40 ft	21' 5"	0.16
50 ft	26' 10"	0.11

MR11/AR11 2700K 60° CANDLEPOWER=114.1		
Distance	Foot Candles	
2 ft	2' 4"	28.53
4 ft	4' 8"	7.13
6 ft	6' 11"	3.17
8 ft	9' 3"	1.78
10 ft	11' 6"	1.14
15 ft	17' 4"	0.51
20 ft	23' 1"	0.29
30ft	37' 7"	0.13
40 ft	46' 2"	0.07
50 ft	57' 8"	0.05

MR11/AR11 2700K 120° CANDLEPOWER=60.68		
Distance	Foot Candles	
2 ft	6' 11"	15.17
4 ft	13' 10"	3.79
6 ft	20' 9"	1.69
8 ft	27' 9"	0.95
10 ft	34' 8"	0.61
15 ft	52'	0.27
20 ft	69' 3"	0.15
30ft	103' 11"	0.07
40 ft	138' 7"	0.04
50 ft	173' 2"	0.02

MR16

MR16 2700K 15° 2W CANDLEPOWER=1097.13

Distance	Foot Candles	
2 ft	6"	274.28
4 ft	1' 1"	68.57
6 ft	1' 7"	30.48
8 ft	2' 1"	17.14
10 ft	2' 8"	10.97
15 ft	3' 11"	4.88
20 ft	5' 3"	2.74
30 ft	7' 11"	1.22
40 ft	10' 6"	0.69
50 ft	13' 2"	0.44

MR8 2700K 30° CANDLEPOWER=263.11

Distance	Foot Candles	
2 ft	1' 1"	65.78
4 ft	2' 2"	16.44
6 ft	3' 3"	7.31
8 ft	4' 3"	4.11
10 ft	5' 4"	2.63
15 ft	8'	1.17
20 ft	10' 9"	0.66
30 ft	16' 1"	0.29
40 ft	21' 5"	0.16
50 ft	26' 10"	0.11

MR16 2700K 60° 2W CANDLEPOWER=140.23

Distance	Foot Candles	
2 ft	2' 4"	35.06
4 ft	4' 8"	8.76
6 ft	6' 11"	3.90
8 ft	9' 3"	2.19
10 ft	11' 6"	1.40
15 ft	17' 4"	0.62
20 ft	23' 1"	0.35
30 ft	37' 7"	0.16
40 ft	46' 2"	0.09
50 ft	57' 8"	0.06

MR16 2700K 120° 2W CANDLEPOWER=67.48

Distance	Foot Candles	
2 ft	6' 11"	16.87
4 ft	13' 10"	4.22
6 ft	20' 9"	1.87
8 ft	27' 9"	1.05
10 ft	34' 8"	0.67
15 ft	52'	0.30
20 ft	69' 3"	0.17
30 ft	103' 11"	0.07
40 ft	138' 7"	0.04
50 ft	173' 2"	0.03

MR16 2700K 15° 4W CANDLEPOWER=488.72

Distance	Foot Candles	
2 ft	6"	946.07
4 ft	1' 1"	236.52
6 ft	1' 7"	105.12
8 ft	2' 1"	59.13
10 ft	2' 8"	37.84
15 ft	3' 11"	16.82
20 ft	5' 3"	9.46
30 ft	7' 11"	4.20
40 ft	10' 6"	2.37
50 ft	13' 2"	1.51

MR16 2700K 30° 4W CANDLEPOWER=232.03

Distance	Foot Candles	
2 ft	1' 1"	552.71
4 ft	2' 2"	138.18
6 ft	3' 3"	61.41
8 ft	4' 3"	34.54
10 ft	5' 4"	22.11
15 ft	8'	9.83
20 ft	10' 9"	5.53
30 ft	16' 1"	2.46
40 ft	21' 5"	1.38
50 ft	26' 10"	0.88

MR16 2700K 60° 4W CANDLEPOWER=123.45

Distance	Foot Candles	
2 ft	2' 4"	215.84
4 ft	4' 8"	53.96
6 ft	6' 11"	23.98
8 ft	9' 3"	13.49
10 ft	11' 6"	8.63
15 ft	17' 4"	3.84
20 ft	23' 1"	2.16
30 ft	37' 7"	0.96
40 ft	46' 2"	0.54
50 ft	57' 8"	0.35

MR16 2700K 120° 4W CANDLEPOWER=46.18

Distance	Foot Candles	
2 ft	6' 11"	93.15
4 ft	13' 10"	23.29
6 ft	20' 9"	10.35
8 ft	27' 9"	5.82
10 ft	34' 8"	3.73
15 ft	52'	1.66
20 ft	69' 3"	0.93
30 ft	103' 11"	0.41
40 ft	138' 7"	0.23
50 ft	173' 2"	0.15

MR16

MR16 2700K 15° 5W CANDLEPOWER=565.78		
Distance	Foot Candles	
2 ft	6"	1156.80
4 ft	1' 1"	289.20
6 ft	1' 7"	128.53
8 ft	2' 1"	72.30
10 ft	2' 8"	46.27
15 ft	3' 11"	20.57
20 ft	5' 3"	11.57
30ft	7' 11"	5.14
40 ft	10' 6"	2.89
50 ft	13' 2"	1.85

MR16 2700K 30° 5W CANDLEPOWER=280.99		
Distance	Foot Candles	
2 ft	1' 1"	1099.60
4 ft	2' 2"	274.90
6 ft	3' 3"	122.18
8 ft	4' 3"	68.72
10 ft	5' 4"	43.98
15 ft	8'	19.55
20 ft	10' 9"	11.00
30ft	16' 1"	4.89
40 ft	21' 5"	2.75
50 ft	26' 10"	1.76

MR16 2700K 60° 5W CANDLEPOWER=140.35		
Distance	Foot Candles	
2 ft	2' 4"	378.08
4 ft	4' 8"	94.52
6 ft	6' 11"	42.01
8 ft	9' 3"	23.63
10 ft	11' 6"	15.12
15 ft	17' 4"	6.72
20 ft	23' 1"	3.78
30ft	37' 7"	1.68
40 ft	46' 2"	0.95
50 ft	57' 8"	0.60

MR16 2700K 120° 5W CANDLEPOWER=56.86		
Distance	Foot Candles	
2 ft	6' 11"	114.70
4 ft	13' 10"	28.67
6 ft	20' 9"	12.74
8 ft	27' 9"	7.17
10 ft	34' 8"	4.59
15 ft	52'	2.04
20 ft	69' 3"	1.15
30ft	103' 11"	0.51
40 ft	138' 7"	0.29
50 ft	173' 2"	0.18

MR16 2700K 15° 7W CANDLEPOWER=1003.17		
Distance	Foot Candles	
2 ft	6"	2236.9
4 ft	1' 1"	559.24
6 ft	1' 7"	248.55
8 ft	2' 1"	139.81
10 ft	2' 8"	89.48
15 ft	3' 11"	39.77
20 ft	5' 3"	22.37
30ft	7' 11"	9.94
40 ft	10' 6"	5.59
50 ft	13' 2"	3.58

MR16 2700K 30° 7W CANDLEPOWER=651		
Distance	Foot Candles	
2 ft	1' 1"	1391.34
4 ft	2' 2"	347.84
6 ft	3' 3"	154.59
8 ft	4' 3"	86.96
10 ft	5' 4"	55.65
15 ft	8'	24.73
20 ft	10' 9"	13.91
30ft	16' 1"	6.18
40 ft	21' 5"	3.48
50 ft	26' 10"	2.23

MR16 2700K 60° 7W CANDLEPOWER=267.57		
Distance	Foot Candles	
2 ft	2' 4"	710.46
4 ft	4' 8"	177.61
6 ft	6' 11"	78.94
8 ft	9' 3"	44.40
10 ft	11' 6"	28.42
15 ft	17' 4"	12.63
20 ft	23' 1"	7.10
30ft	37' 7"	3.16
40 ft	46' 2"	1.78
50 ft	57' 8"	1.14

MR16 2700K 120° 7W CANDLEPOWER=100.74		
Distance	Foot Candles	
2 ft	6' 11"	203.21
4 ft	13' 10"	50.80
6 ft	20' 9"	22.58
8 ft	27' 9"	12.70
10 ft	34' 8"	8.13
15 ft	52'	3.61
20 ft	69' 3"	2.03
30ft	103' 11"	0.90
40 ft	138' 7"	0.51
50 ft	173' 2"	0.33

PAR36

PAR36 2700K 15° 4W CANDLEPOWER=993.88		
Distance	Foot Candles	
2 ft	6"	1728.60
4 ft	1' 1"	432.15
6 ft	1' 7"	192.07
8 ft	2' 1"	108.04
10 ft	2' 8"	69.14
15 ft	3' 11"	30.73
20 ft	5' 3"	17.29
30ft	7' 11"	7.68
40 ft	10' 6"	4.32
50 ft	13' 2"	2.77

PAR36 2700K 15° 7W CANDLEPOWER=1633.79		
Distance	Foot Candles	
2 ft	6"	2994.37
4 ft	1' 1"	748.59
6 ft	1' 7"	332.71
8 ft	2' 1"	187.15
10 ft	2' 8"	119.77
15 ft	3' 11"	53.23
20 ft	5' 3"	29.94
30ft	7' 11"	13.31
40 ft	10' 6"	7.49
50 ft	13' 2"	4.79

PAR36 2700K 30° 4W CANDLEPOWER=615.10		
Distance	Foot Candles	
2 ft	1' 1"	1087.90
4 ft	2' 2"	271.91
6 ft	3' 3"	120.88
8 ft	4' 3"	67.99
10 ft	5' 4"	43.52
15 ft	8'	19.34
20 ft	10' 9"	10.88
30ft	16' 1"	4.84
40 ft	21' 5"	2.72
50 ft	26' 10"	1.74

PAR36 2700K 30° 7W CANDLEPOWER=921.93		
Distance	Foot Candles	
2 ft	1' 1"	1681.19
4 ft	2' 2"	420.30
6 ft	3' 3"	186.80
8 ft	4' 3"	105.07
10 ft	5' 4"	67.25
15 ft	8'	29.98
20 ft	10' 9"	16.81
30ft	16' 1"	7.47
40 ft	21' 5"	4.20
50 ft	26' 10"	2.69

PAR36 2700K 60° 4W CANDLEPOWER=141.39		
Distance	Foot Candles	
2 ft	2' 4"	356.96
4 ft	4' 8"	89.24
6 ft	6' 11"	39.66
8 ft	9' 3"	22.31
10 ft	11' 6"	14.28
15 ft	17' 4"	6.35
20 ft	23' 1"	3.57
30ft	37' 7"	1.59
40 ft	46' 2"	0.89
50 ft	57' 8"	0.57

PAR36 2700K 60° 7W CANDLEPOWER=268.78		
Distance	Foot Candles	
2 ft	2' 4"	564.61
4 ft	4' 8"	141.15
6 ft	6' 11"	62.73
8 ft	9' 3"	35.29
10 ft	11' 6"	22.58
15 ft	17' 4"	10.04
20 ft	23' 1"	5.65
30ft	37' 7"	2.51
40 ft	46' 2"	1.41
50 ft	57' 8"	0.90

PAR36 2700K 120° 4W CANDLEPOWER=53.57		
Distance	Foot Candles	
2 ft	6' 11"	108.06
4 ft	13' 10"	27.02
6 ft	20' 9"	12.01
8 ft	27' 9"	6.75
10 ft	34' 8"	4.32
15 ft	52'	1.92
20 ft	69' 3"	1.08
30ft	103' 11"	0.48
40 ft	138' 7"	0.27
50 ft	173' 2"	0.17

PAR36 2700K 120° 7W CANDLEPOWER=62.75		
Distance	Foot Candles	
2 ft	6' 11"	126.58
4 ft	13' 10"	31.64
6 ft	20' 9"	14.06
8 ft	27' 9"	7.91
10 ft	34' 8"	5.06
15 ft	52'	2.25
20 ft	69' 3"	1.27
30ft	103' 11"	0.56
40 ft	138' 7"	0.32
50 ft	173' 2"	0.20

PAR36

PAR36 2700K 15° 11W CANDLEPOWER=1524.06		
Distance		Foot Candles
2 ft	6"	4721.78
4 ft	1' 1"	1180.45
6 ft	1' 7"	524.64
8 ft	2' 1"	295.11
10 ft	2' 8"	188.87
15 ft	3' 11"	83.94
20 ft	5' 3"	47.22
30 ft	7' 11"	20.99
40 ft	10' 6"	11.80
50 ft	13' 2"	7.55

PAR36 2700K 30° 11W CANDLEPOWER=1453.65		
Distance		Foot Candles
2 ft	1' 1"	1720.47
4 ft	2' 2"	430.12
6 ft	3' 3"	191.16
8 ft	4' 3"	107.53
10 ft	5' 4"	68.82
15 ft	8'	30.59
20 ft	10' 9"	17.20
30 ft	16' 1"	7.65
40 ft	21' 5"	4.30
50 ft	26' 10"	2.75

PAR36 2700K 60° 11W CANDLEPOWER=326.08		
Distance		Foot Candles
2 ft	2' 4"	654.16
4 ft	4' 8"	163.54
6 ft	6' 11"	72.68
8 ft	9' 3"	40.88
10 ft	11' 6"	26.17
15 ft	17' 4"	11.63
20 ft	23' 1"	6.54
30 ft	37' 7"	2.91
40 ft	46' 2"	1.64
50 ft	57' 8"	1.05

PAR36 2700K 120° 11W CANDLEPOWER=169.14		
Distance		Foot Candles
2 ft	6' 11"	341.19
4 ft	13' 10"	85.30
6 ft	20' 9"	37.91
8 ft	27' 9"	21.32
10 ft	34' 8"	13.65
15 ft	52'	6.07
20 ft	69' 3"	3.41
30 ft	103' 11"	1.52
40 ft	138' 7"	0.85
50 ft	173' 2"	0.55

PAR36 2700K 15° 15W CANDLEPOWER=2332.45		
Distance		Foot Candles
2 ft	6"	5585.89
4 ft	1' 1"	1396.47
6 ft	1' 7"	620.65
8 ft	2' 1"	349.12
10 ft	2' 8"	223.44
15 ft	3' 11"	99.30
20 ft	5' 3"	55.86
30 ft	7' 11"	24.83
40 ft	10' 6"	13.96
50 ft	13' 2"	8.94

PAR36 2700K 30° 15W CANDLEPOWER=2010.02		
Distance		Foot Candles
2 ft	1' 1"	2252.99
4 ft	2' 2"	563.25
6 ft	3' 3"	250.33
8 ft	4' 3"	140.81
10 ft	5' 4"	90.12
15 ft	8'	40.05
20 ft	10' 9"	22.53
30 ft	16' 1"	10.01
40 ft	21' 5"	5.63
50 ft	26' 10"	3.60

PAR36 2700K 60° 15W CANDLEPOWER=518.25		
Distance		Foot Candles
2 ft	2' 4"	1141.96
4 ft	4' 8"	285.49
6 ft	6' 11"	126.88
8 ft	9' 3"	71.37
10 ft	11' 6"	45.68
15 ft	17' 4"	20.30
20 ft	23' 1"	11.42
30 ft	37' 7"	5.08
40 ft	46' 2"	2.85
50 ft	57' 8"	1.83

PAR36 2700K 120° 15W CANDLEPOWER=228.93		
Distance		Foot Candles
2 ft	6' 11"	461.80
4 ft	13' 10"	115.45
6 ft	20' 9"	51.31
8 ft	27' 9"	28.86
10 ft	34' 8"	18.47
15 ft	52'	8.21
20 ft	69' 3"	4.62
30 ft	103' 11"	2.05
40 ft	138' 7"	1.15
50 ft	173' 2"	0.74

VOLT AMPS

Watts / Power Factor = Volt Amps

LOW VOLTAGE	Watt	Power Factor	Volt Amps (VA)
Micro G4	1.2	0.79	1.52
Micro T5	1.2	0.79	1.52
Beacon G4	2	0.61	3.28
Beacon Plus G4	3	0.66	4.55
Beacon T5	2	0.61	3.28
Beacon SCB	2	0.61	3.28
Beacon DCB	2	0.61	3.28
Beacon S8	2	0.61	3.28
G4 Ecostar	2	0.60	3.33
	3	0.60	5.00
T5 Ecostar	3	0.60	5.00
SCB Ecostar	3	0.60	5.00
Blaze G4	2	0.60	3.33
Rectangle G4 Wafer	2	0.60	3.33
Round G4 Wafer	2	0.60	3.33
MR8	1.5	0.60	2.50
MR11	2	0.60	3.33
AR11	2	0.60	3.33
MR16 Ecostar	4	0.63	6.35
	7	0.63	11.11
MR16	2	0.60	3.34
	4	0.63	6.35
	5	0.60	8.33
	7	0.63	11.11
PAR36	4	0.60	6.67
	7	0.65	10.77
	11	0.69	15.94
	15	0.70	21.43
Chameleon G4	2.5	0.60	4.17
Chameleon MR16	6	0.65	9.23
Chameleon PAR36	9	0.65	13.85
Strip Light	1.8	0.60	3.00 per ft
Wave Strip Light	4.5	1.5	2.50 per ft
Candelabra Edge Filament	2	0.85	2.35
	3.5	0.85	4.12
S14 Edge Filament	1	0.75	1.33
	2	0.75	2.67
	3.5	0.89	3.93

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VOLT AMPS

Watts / Power Factor = Volt Amps

LOW VOLTAGE	Watt	Power Factor	Volt Amps (VA)
Cascades Light Bar 7.5"	1.5	0.90	1.67
Light Bar Small	1	0.90	1.11
Light Bar Medium	2.5	0.90	2.78
Light Bar Large	4	0.91	4.40
Aquabeam	5	0.73	6.85
	10	0.88	11.36
Niche Light	3	0.60	5.00
Mini Beam 90	1.5	0.60	2.50
Mini Beam 200	3	0.80	3.75
Mini Beam 400 & Mount Rainier	6	0.65	9.23
Guadalupe	3.8	0.63	6.03

LINE VOLTAGE	Watt	Power Factor	Volt Amps (VA)
S14 Edge Filament	2.5	0.90	2.78
	3.5	0.90	3.89
Candelabra Edge Filament	3.5	0.90	3.89
A19 Edge Filament	6.5	0.90	7.22
Blaze Candelabra	3	0.80	3.75