


ER Low Voltage Halogen Lamps

Low Voltage Halogen Lamps **JC/ER, MR11/ER, MR16/ER, AR111/ER** 4000 HRS

SPECIFICATIONS					
JC/ER	Voltage	Wattage	Base	Color Temp	Lumen (Lm)
	12	8	G4	2800K	100
	12	16	G4 / GY6.35	2900K	300
	12	28	GY6.35	3000K	600
	12	40	GY6.35	3000K	860







SPECIFICATIONS							
MR11/ER	ANSI code	Voltage	Wattage	Beam Angle	Base	Color Temp	Light intensity (cd)
	FTB/ER	12	16	10°	GU4	2900K	4100
	FTC/ER	12	16	20°	GU4	2900K	1750
	FTD/ER	12	16	30°	GU4	2900K	700
	FTE/ER	12	28	10°	GU4	3000K	7000
	FTF/ER	12	28	20°	GU4	3000K	3000
	FTH/ER	12	28	30°	GU4	3000K	1500
MR16/ER	ANSI code	Voltage	Wattage	Beam Angle	Base	Color Temp	Light intensity (cd)
	ESX/ER	12	16	12°	GU5.3	2900K	5000
	BAB/ER	12	16	36°	GU5.3	2900K	700
	----	12	16	60°	GU5.3	2900K	300
	FMT/ER	12	28	12°	GU5.3	3000K	10000
	FMW/ER	12	28	36°	GU5.3	3000K	1300
	----	12	28	60°	GU5.3	3000K	560
	EXT/ER	12	40	12°	GU5.3	3050K	13000
	EXZ/ER	12	40	24°	GU5.3	3050K	4000
	EXN/ER	12	40	36°	GU5.3	3050K	1800
	FNV/ER	12	40	60°	GU5.3	3050K	1000

* Aluminium and Dichroic versions are available

SPECIFICATIONS						
AR111/ER	Voltage	Wattage	Beam Angle	Base	Color Temp	Light Intensity (cd)
	12	28	8° / 24° / 45°	G53	3000K	Replace traditional AR111 35W
	12	40	8° / 24° / 45°	G53	3000K	Replace traditional AR111 50W
	12	75	8° / 24° / 45°	G53	3000K	Replace traditional AR111 100W



ADVANTAGES

-  **Saving 20% of power energy** with NO sacrifice of lighting quality
-  Double the average lamp life compare with standard 2,000 hours lamps. Up to **4,000 hours**
-  Xenon Halogen technology to **enhance** light output **performance**
-  Optimized design of filament structure provides **excellent light distribution**
-  High colour temperature gives more **crispy white light**
-  **Lower heat generation** resulting in reduced air conditioning and heat stress on ambience

ER vs Traditional Lamps					
Energy Reduction ER series	Traditional Halogen MR11/16 Lamps	Traditional Halogen JC 2-pins lamps	Traditional Halogen AR111 lamps	Save on Energy	Electrical billing * saving / year
8W	-- --	10W	-- --	20%	US\$ 2.63
16W	20W	20W	-- --	20%	US\$ 5.26
28W	35W	35W	35W	20%	US\$ 9.20
40W	50W	50W	50W	20%	US\$ 13.14
75W	-- --	-- --	100W	25%	US\$ 32.85

* based on 24 hrs operation/day - US\$0.15/1 KWH