

Jim's Handy Dandy Crossover Guide to Globes- 120V*- *An interchange guide*

* unless noted all are rated at 120V which gives optimum rated output, above 120V shortens life but color temp goes up, under 120V life longer but color temp goes down. Rated life is estimate from Mfr.'s Specs. **Be very careful - some globes listed exceed the recommended wattage for certain fixtures! Check Mfr Specs if unsure. Most are Tungsten/ Halogen unless noted as Incandescent or Fluorescent.**

Glossary: "x" indicates some letters or numbers vary.
LCL - lamp center line - middle of filament MOL - maximum overall length *All Trademarks and Copyrights apply*

A21 Medium Screw base (lightbulb-type)

Type	Watts	°K	Life
PH213-	250	3400	3hrs.
PH212-	150	3050	100hrs.
PH211-	75	3200	100hrs.
ECT	500	3200	60hrs.
EBV#2	500	3400	6hrs.
EBW(B-2)- (Blue)	500	4800	6hrs.
DMS	500	3200	50hrs.
BAH	300	3200	20hrs.
BBA#1-	250	3400	3hrs.
BCA (B-1) - (Blue)	250	4800	3hrs.
ECA (250A3)	250	3200	20hrs.

MR-16 - Medium Screw Base**

Type	Watts	°K	Life
FSA/JDR120v75WNSP	75	3000	100hrs.
FSB/JDR120v75WMFL	75	3000	100hrs.
FSD/JDR120V75WWFL	75	3000	100hrs.
FSC/JDR120V100WNSP	100	3000	100hrs.
FSE/JDR120V100WMFL	100	3000	100hrs.
FSF/JDR120v100WWFL	100	3000	100hrs.

****30, 40 and 50 W versions exist also.**

Mogul Screw Base (large lamp)(coops)

Type	Watts	°K	Life
BWF	2000	3200	500hrs.
BWG(frost)	2000	3200	500hrs.
Q1500/CL48- 1500G48	1500	3050	2000hrs.
DKX/DSF	1500	3200	1000hrs.
DXR/DXS (#4photo)	1000	3400	10hrs.
DKZ/DSE	1000	3200	750hrs.
ECV	1000	3200	60hrs.
1MG40FL	1000	3200	800hrs.
1000/IF (frost)	1000	3100	1000hrs.
1000/SBIF	1000	3100	1000hrs.

(Silver Bowl-Inside Frost - no longer mfg.. in 1K but still available thru globe suppliers)

500G/FL	500	2900	800hrs
500 /SBIF	500	2900	750hrs.

Mini Candelabra Screw 2" LCL

Type	Watts	°K	Life
EYT	750	3050	500hrs.
EVR	500	2950	2000hrs.
EYX	500	3000	2000hrs.
EHV	325	3100	500hrs

Mini Candelabra Screw 1-5/8" LCL

Type	Watts	°K	Life
Q400CL/MC	400	2950	2000hrs.
EHT	250	3000	2000hrs.
ESM(frost)	250	3000	2000hrs

Mini Candelabra Screw 1-3/8" LCL

Type	Watts	°K	Life
ESL/ETG	150	2900	1000hrs
ETH(frost)	150	3000	2000hrs
ESN	100	2850	750hrs.
ETE(frost)	100	2850	750hrs

Mini Candelabra 2 contact Bayonet Single Ended 1-3/8" LCL

Type	Watts	°K	Life
ESS‡	250	2950	2000hrs.
ETB(frost)‡	250	3000	2000hrs.
FEV	200	3200	50hrs.
BDJ	200	3200	20hrs.
CCM/CHD/BEJ	200	3075	25hrs.
CGP/CGF	150	3075	25hrs.
ETF (frost)	150	3000	2000hrs.
ESP -Q150CL/DC/2v	150	2900	1000hrs.
ETC - Q150CL/dc	150	3000	2000hrs.
ESR - Q100/CI/X	100	2850	750hrs.
Q100/CL/DC	100	3000	1000hrs.
ETD	100	2850	750hrs.
CEB/CDJ	100	2975	50hrs.
CBX/CBS	75	2925	50hrs.

‡ - slightly longer 1 5/8" but works OK

2-pin Prefocus 1-7/16" LCL (GX9.5-GZ9.5) SEE ALSO

2-Pin 1 13/16 Size (below)

Type	Watts	°K	Life
EKD -Q650/3CL2PP	650	3000	25hrs.
DYS /DYV/BHC (GZ)	600	3200	75hrs.
FTK	500	3200	200hrs.
EKB-RQ420/4CL2PP (GZ)	420	3200	75hrs
FKT	250	3100	200hrs.

Note: some pins diff. size.(GZ) 30 & 12V exist.

2-pin (G5.3) Miniature Pin (In Betweenie)

Type	Watts	°K	Life
FVM	105	3200	200hr.
ESY	150	3100	200hr.
FVL	200	3200	200hr.
GCA**	250	3200	200hr.

**** exceeds lamp mfr. specs - hot!** Some globes have glass base, some porcelain - all will work.

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2-pin Prefocus 1-13/16" LCL(GY9.5)

Type	Watts	°K	Life
FRE	650	3050	400hrs.
FRK	650	3200	200hrs.
FMR	600	3050	2000hrs.
FRG	500	3200	150hrs.
FRB	500	3200	200hrs.
FRF	500	3050	400hrs.
FKW	300	3200	200hrs.

Note: pins diff. size- 30 & 12V exist Many will also work in lamps using 1 7/16 size (previous)

Mini 2pin. Base 1-7/16" LCL(G5.3)

Type	Watts	°K	Life
DYH	600	3200	75hrs.
DVY	650	3400	25hrs.
FBG/FBD	500	3200	50hrs.
EYH/FKT	250	3050	150hrs.

Note: both same size pins.

Medium 2-pin G9.5 2-3/8" LCL

Type	Watts	°K	Life
BWN	1000	3200	250hrs.
FFL -Q1000/4CL/X	1000	3200	500hrs.
FCV(frost)-Q1000/4/x	1000	3200	500hrs.
FEL	1000	3200	300hrs.
EHF-Q70/4CL/x	750	3200	300hrs.
EHG	750	3000	300hrs.
BWM-Q750T7/4cl/TP	750	3200	200hrs.
FLK	575	3200	300hrs.
FHC/EHC/EHB	500	3200	200hrs.
Q500/5CL/X	500	3150	300hrs.
EHD or Q500CL/TP	500	2900	2000hrs.
EHC/EHB or Q500/5CL/x	500	3150	500hrs.

Mogul Prefocus 3-15/16" LCL(Scoops, etc.)

Type	Watts	°K	Life
BVW or Q2000/T10/x	2000	3200	300hrs.
CWZ/1500G40/21	1500	3200	100hrs.
BVV	1000	3200	200hrs.
BVT or Q1000T7/X	1000	3050	500hrs.
1M/G40/23(PSP) (Incand)			

Medium Prefocus P28 3-1/2" LCL

Type	Watts	°K	Life
FSG /DRS/DRB	1200	3250-3350	100hrs.
DNV/FME/DRC	1000	3200	200hrs.
EGJ or Q1000/4CL/P	1000	3200	500hrs.
EGK(frost)	1000	3200	300hrs.
EGM-Q1000/CL/- BTR	1000	3000	2000hrs.
EGJ	1000	3200	400hrs.
EGF-Q750/4CL/P-BTP	750	3200	500hrs.
EGG-Q750/CL/BTN/BFE	750	3000	2000hrs.
DNT/FMD/BFL/BFK	750	3050	500hrs.
EGF	750	3200	250hrs.
DMX/DNW /DNS	500	3200/2950	200+hrs.
EGE-Q500CL/P-/BTL	500	3000	2000hrs.
EGC/EGD/BTM	500	3150	500hrs.
DLC	250	3050	50hrs.

Medium 2Pin w/Heat Sink (G9.5)**

Type	Watts	K	Life
HPL750(115/120)	750	200	300hrs.
HPL750(115)	750	3050	1000hrs.
HPL575(115/120)	575	3200	300hrs.
HPL375(115/120)	375	3000	1000hrs.
HPL375/LL	375	3050	1000hrs.
EHForQ70/4CL/x	750	3200	300hrs.
EHG	750	3000	300hrs.
GLD-Q750T6/4cl	750	3200	300hrs.
GLE-Q750T6/4cl	750	3050	1500hrs.
GLC w/o sink	575	3200	400hrs.
GLA w/o sink	575	3050	1500hrs.

SPECIAL NOTE: some 750w globes now have a extra base/locator pin so they only fit in 750-type lamps - do NOT break off pin to fit! The 575 will fit either kind. 115, 120 and 220V versions exist. ** Some HPL's will only work with a Heat Sink & a FIRE hazard exists if used with the incorrect globe. When replacing be sure not to throw heat sink out (detachable). #also available in a 2000hr globe but output /color temp are "off." (Theatre Use Only) HPL usually used in ETC Source4, others in Strand lekos. Be sure lamp is rated for 750W if 750 globe used.

Mogul Prefocus 3-7/16" LCL(Some scoops)

Type	Watts	K	Life
BVW-Q2000T10/4CL	2000	3200	500hrs.
DTA/DTJ	1500	3200	300hrs.
BVT-Q1000T7/CL/MP	1000	3050	500hrs.
BVV-Q1000T74cl/mp	1000	3200	200hrs.
DPW/DSB	1000	3200	50/25hrs.

Medium Bipost G22 2-1/2" LCL(Baby)

Type	Watts	°K	Life
EGT or Q1000T7/4CL/X	1000	3200	250hrs.
- 1M/G40/X (Incand)			
EBB-1M/24/13	1000	3350	12hrs.
EGR-Q750T7/4cl	750	3200	200hrs.
DVH	750	3200	50hrs.
750T24/16/X (Incand)			
EGN	500	3200	150hrs.
DVG-500T20/63	500	3200	50hrs.

^Burns MUCH hotter than normal, can break lenses and burn up sockets - VERY short times.

Mogul Bipost G38 5" LCL(Jr.)

Type	Watts	°K	Life
2M/G{DVF}(or T{EDL})48/18(14,4)			
	2000	3200	200hrs.
CYX or Q2000T10/4CL	2000	3200	250hrs.
BWA or Q2000/4CL	2000	3200	750hrs.
CXZ or Q1500T10/4CL	1500	3200	300hrs.
DTS	1500	3225	25hrs.
CYV or Q1000T7/4CL/BP	1000	3200	200hrs.
DCT	2000	3050	900hrs.
G/T48 "Encapsulated quartz" exists - [large]			

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Mogul Bipost G38 6-1/2" LCL -5K(Sr.)

***(see 10K note- pg3)*

Type	Watts	°K	Life
DPY or Q5000T20/4CL	5000	3200	500hrs.
(G64/ECN) (Incand) [large glass globe]			
3M/T32/2 (7"LCL)	3000	3150	100hrs..
1500T24/6	1500	3000	200hrs.

Mogul Bipost G38 10" LCL(10K-12K)

Type	Watts	°K	Life
DTY or Q10M/T24/4CL	10000	3200	300hrs
(G96/EBA) (Incand) [large glass same specs]			
DTY/208V - (Arri)	10000	3200	

****Both 10K and 5K units can use lower wattage globe if used with an adapter (or two) to get the filament height.**

Usually a 5K in the LARGER Below 5K.

Type	Watts	°K	Life
Ushio12K (GE/Koto)	12000	3200	400+hrs
Arri 12K (120,220V)	12000+	3200	
Q12MT26/4CL	12000	3200	400hrs.
Q12MT26/4CL(230/240V)	12000	3200	400hrs.

Mogul Bipost G38 T32 13.937"LCL 20-24K

BCM/225 (225/230V)	20000	3200	
BCM/208 (208v)	20000	3200	
GE/Koto(220v/240v)	24000	3200	200hrs##
KP200 (240V)	20000+	3200	300hrs.
Q24MT32/4CL(230/240)	24000	3400	150hrs.

Use care- exceeds ratings. Very HOT.

Double Ended 3-1/8" MOL (Nooks, others)

Type	Watts	°K	Life
FAD or Q650T4/4CL	650	3200	100hrs.
FBX(frost)Q650T4/4	650	3200	100hrs.
FCA(frost)	650	3400	35hrs.
DWY	650	3400	25hrs.
FFM	420	3200	75hrs.
FDA or Q400T4/4CL	400	3200	250hrs.
EHR or Q400T4/CL	400	2900	2000hrs.
EHP or Q300T4/CL	300	2900	2000hrs.
EHX (frost)	300	3000	2500hrs.
Q200T3/(CL)	200	2850	1500hrs.
FGY	120	2900	2500hrs.

Double Ended 3-3/4" MOL (redheads, mickeys)

Type	Watts	°K	Life
DXW-Q1000T5/4cl	1000	3200	150hrs.
FBY(frost)	1000	3200	150hrs.
FBZ(frost)	1000	3400	30hrs.
BRH	1000	3350	75hrs.
DXN	1000	3400	75hrs.
FCB	600	3250	75hrs.
FGD	500	3200	100hrs.

Double Ended 6-9/16" MOL (Far-cycs)

Type	Watts	°K	Life
FFW ##	2000	3200	125hrs.
FFW/FR(frost) ##	2000	3200	125hrs.
FDB-Q1500t4/4cl-	1500	3200	400hrs.
FGT(frost) Q1500T4/4	1500	3200	400hrs.
FFT-Q1000/T3/LCL	1000	3200	400hrs.
FGV(frost) Q1000T3/1	1000	3200	400hrs.
FFT/HIR	675	3250	400hrs.

##Exceeds Mfr. Specs for some lamps- very hot!

Double Ended 4-11/16" MOL (fits Pallas, nooks, broads, some far cycs, others)

Type	Watts	°K	Life
ELJ	1050	3200	75hrs.
EJD-Q1000T3	1000	3350	100hrs.
FCM or Q1000T3/4CL	1000	3200	500hrs.
FHM(frost)	1000	3200	300hrs.
EJG or Q750T3/4CL	750	3200	400hrs.
EMD(frost)(Q750T3/4F)	750	3200	400hrs.
FCM/HIR	650	3275	400hrs.
FWM	650	3200	400hrs.
EJG/HIR Q525T2-1/2/4	525	3250	400hrs.
FDf/Q500T3/4CL	500	3200	400hrs.
FDN(frost)Q500T3/4	500	3200	400hrs.
Q500T3/CL	500	3000	2000hrs.
Q500T3 (frost)	500	3000	2000hrs.
FCL	500	3000	2600hrs.
FCZ(frost)	500	3000	2600hrs.
Q425/T3/CL	425	2950	2000hrs.
EHR	400	2900	2000hrs.
Q500/350WM(FDF/HIR)	350	3000	2000hrs.
EHM Q300T3/CL	300	2950	3000hrs.
EHZ(frost)Q300T2 ½	300	2950	3000hrs.
Q200	200	2900	3000hrs
Q150T2 ½	150	2800	3000hrs

Double Ended 5-5/8" MOL (Blondes, Mightys)

Type	Watts	°K	Life
FEY Q2000T8/4CL	2000	3200	500hrs.
FEY Q2MT8/4CL	2000	3200	400hrs
FER/EHS/ Q1000T4/6CL	1000	3200	500hrs.
FER 1000T6/CL	1000	3200	500hrs.
DWT Q1000T6/CL	1000	3000	2550hrs.
DWT 1000T6Q/CL	1000	3000	2000hrs.

MR16 -GY5.3Base

Type	Watts	°K	Life
EZK	150	3200	200hrs.
ENH	250	3250	175hrs.
EXX	250	3300	25hrs.

GY16Base-2pin Prefocus (most 230/240V)

Type	Watts	°K	Life
CP79 120V	2000	3200	350hrs

Mushroom Type (refl) Medium Screw Base

Type	Watts	°K	Life
DMS/500t20	500	3200	50hrs.
FAE(R-40)	550	3400	10hrs.
DXC(PH/RFL2)	500	3400	6hrs.
EAL(R-40)/DXB	500	3300	15hrs.
400G/FL	400	2900.	800hrs.
400 G/SP	400	3000	200hrs.
EBR(R-30)	375	3400	4hrs.
DXH(PH/RFL2)	375	3200	15hrs.
BFA(R-34)	375	3400	4hrs.
BEP(R-30)	300	3400	4hrs.
DAN(R-20)	200	3400	4hrs.

Note: Hundreds of mushroom-type floods, spots and etc. (PAR's) exist. Colors too. Check specs and sizes BEFORE ordering.

PAR36 Screw Terminal (12&28V Versions Also)

Type	Watts	°K	Life	Spread
FGK	650	5000	35hrs.	NFL
FBE	650	5000	30hrs.	Spot
FBO	650	3400	30hrs.	Spot
DWE	650	3200	100hrs.	MFL

Q650PAR36/1

PAR36 (ferrule base- 2 points) (faylites)

Type	Watts	°K	Life	Spread
FAY	650	5000	35hrs.	Med.
FBJ	650	3400	30hrs.	Spot
DXK	650	3400	30hrs.	Med.
FCX	650	3200	100hrs.	Spot
FCW	650	3200	100hrs.	Med.
EZB/FGS	250	2950	100hrs.	NFL
FGS/DWA	250	3400	4 hrs.	NFL

Par56 Mogul End Prong Base (mid size)

Type	Watts	°K	Life	Spread
Q200Par56NSP	200	3000	2000hrs	nsp
Q200Par56WFL	200	3000	2000hrs	wfl
Q300Par56N/m/w	300	3000	2500hrs	m/w
Q500Par56nsp	500	3000	4000hrs	nsp
Q500Par56mfl	500	3000	4000hrs	mfl
Q500Par56wfl	500	3000	4000hrs	wfl

Par64 EMEP-type(Extended Mogul End Prong)

1200W Pars - AKA "Firestarters" - **

Type	Watts	°K	Life	Spread
GFC	1200	3200	200+hrs	vns
GFB	1200	3200	200+hrs	nsp
GFA	1200	3200	200+hrs	mfl
GFE	1200	3200	200+hrs	wfl
GFD	1200	3200	200+hrs	xwfl

**** Burn MUCH Hotter than normal Pars****

These can destroy fixture if improperly used.

PAR64 Extended Mogul End Prong (EMEP)

(fits par cans, pars, 6.9&12 maxis, dinos)

****Screw terminal lamps exist also.**

Type	Watts	°K	Life	Spread
FFN	1000	3200	800hrs.	vns
Q1000PAR64/1	400,000CP			
FFP	1000	3200	800hrs.	nsp
Q1000PAR64/2	330,000CP		(Qnsp)	
FFR	1000	3200	800hrs.	med.
Q1000PAR64/5	125,000CP		(Qmfl)	
FFS	1000	3200	800hrs.	wfl
Q1000PAR64/6	40,000CP		(Qwfl)	
GFF	1000	3200	800hrs	xwfl
	30,000CP			
Q1000PAR64nsp	1000	3000	4000hrs	nsp
Q1000PAR64mfl	1000	3000	4000hrs	mfl
Q1000PAR64wfl	1000	3000	4000hrs	wfl
FGM-Q1000PAR64/3D	1K	5600	200hrs	nsp
FGN-Q1000PAR64/7D	1 K	5600	200hrs	wfl

Less Than 1000w PAR 64 Lamps

600PARVNSP	600	3250	200hrs	vns
600PARMFL	600	3250	200hrs	mfl
500PAR64VNSP	500	3000*	2000hrs.	vns
500PAR64NSP	500	3000*	2000hrs	nsp
500PAR64MFL	500	3000*	2000hrs.	med.
500PAR64WFL	500	3000*	2000hrs.	wfl
500PAR64/xwfl	500	3000*	2000hrs.	xwfl

**=varies by Mfg from 2800°K+ to 3200°K*

Screw Terminal Versions Exist

ACL's - used in clusters of 4 - 28V X 4 = 112V - works on 120V - if one fails, usually all fail.

Type	Watts	°K	Life	Spread
4552	250	2900	25hrs.	vns
4559	600	3000°+	25hrs	vns
500,000candlepower- Screw Terminals				
Q4559	600	3000°+	100hrs	vns
600,000candlepower- Screw Terminals				
Q4559X	600	3000°+	100hrs	Xnsp
765,000candlepower- Screw Terminals				

(narrower beam angle)

PaR Precautions: Standard Hubbell/Bryant sockets will not fit the distance between tabs/prongs, neither will "click ons" - they will melt - do not use them! The porcelain socket MUST be used unless the unit itself uses SCREW terminals. DO NOT modify fixtures.

Additional Notes on PaRs:

A R-value in a globe (example:R-40) indicates a Reflector globe size in eighths of an inch - R40= 5 in. (40/8), MR-16 is 2 in., R30=3 3/4 in., R20=2 1/2 in., R10= 1 1/2 in., PaR38=4 3/4in., PaR36=4 1/2in., Par 56= 7 in. PaR64=8 in., etc. RFL (reflector Flood) R= reflector, and PaR= Parabolic reflector

HO usually indicates High Output

CVG is a plastic coating

Fluorescent (Bi-Pin 8ft)

- F96T12/KF55/HO SFC 5500°K (Kino)
- F96T12/KF32/HO SFC 3200°K (Kino)
- F96T12/Cinema32/HO/(CVG) 3200°K
- F96T12/Cinema55/HO/(CVG) 5500°K
- others available also

Fluorescent (Single Pin 8ft)

- F96T12/KF55/SL SFC 5500°K (Kino)
- F96T12/KF32/SL SFC 3200°K (Kino)
- others available also

Fluorescent (Bi-Pin 4 ft.) (Effect)

- KF (KinoFlo) 55 (blu) - 5500°K (daylite)
- Visions in Color 5500 - 5500°K (daylight)
- DuroTest Vita-lite (55) - 5500°K (daylight)
- GE Chroma 50 - 5000+°K (daylight)
- Sylvania (GTE)c50 - 5500°K (daylight)
- F40T12/Cinema55 (CVG) 5500°K (daylight)
- F32T12/Cinema55 - 5500°K (daylight)
- F40T12/Cinema55/HO - 5500°K (daylight)
- KF (KinoFlo) 32 (gld)-3200°K (Studio white)
- DuroTest Optima 32 - 3200°K (studio white)
- Visions in Color 3200- 3200°K (studio white)
- GE Chroma 32 and Sylvania C32 - 3200°K
- F40T12/Cinema32 (CVG)3200°K(studio white)
- F32T12/Cinema32 - 3200°K(studio white)
- F40T12/Cinema32/HO - 3200°K (studio white)
- KF (KinoFlo) 28 (red) - 2800°K (orange-y)
- GE IF 27 - 3000°K (yellowish)
- GTE Sylvania Design 50 -5000°K (bluish)

Fluorescent Suffix Data

- W- White Fluorescent -3450°K (bluish)
- WW (Warm White) -3000°K (yellowish)
- WWD(WarmWhiteDelux) -3100°K (close to also WWX (Studio white)
- CW (Cool White) -4500°K (blue)
- CWX (CW Deluxe) -4175°K (bluish) also CWD
- RW - Royal White -3000°K (yellow-ish)
- Natural White (F40N) -3600°K (a bit blue)
- Lite White (Super Saver) -2900°K (orange-ish) (F40LW/RS/SS)
- SPX - (SPX30) -3000°K (yellow-ish)
- SPX35 -3300°K (white)
- SPX41 -4100°K (bluish)
- C50 (Cyan) -5000°K (blue)
- SGN -5200°K (blue)
- C75 -7500°K (daylite blue)
- SPXBL(B) - Black Light (UV) Kelvin NA
- *Super Blue -420nm spike for Blue Screen
- *Super Green-560nm spike for Green Screen
- *Super Red - Spike for Red Optical

*Special Sodium Yellow - Yellow Optical

Important Fluorescent Notes:

Check the old tube for a label as you remove it, since lengths available are not always as measured. The “T” is the type (size) diameter of the tube (not length) T-8 and T-12 bulbs will often interchange. The “F” is usually the apparent wattage, but could mean the size depending on mfr. and practices. Get the old size and write it down. Red, Pink, Yellow, Blue, Gold, Green, Orange and Purple are also available as “party colors” -- no particular Kelvin value, just colors.

Opinions on Color are those of the author

NOTE: Kino-flo lamps are optimized for Kino fixtures and ballasts.

I still don’t even WANT to mention Xenon...

I have tried to use the more commonly available lamps, I KNOW there are others. Any and all trademarks and copyrights apply. Thanks to my 728 Brothers and Sisters, Thanks to GTE/Sylvania/Phillips, Ushio, GE/Koto, Osram, KinoFlo, Eiko and many others for all the info. Updates and Information are gladly accepted - contact me at: JFranz2777@aol.com.

HMI SPECIAL NOTES: There are some HMI globes that will interchange with each other but these are mainly between Mfrs. Do NOT attempt to use globes not specifically designated for the head used. (see data plate on lamp, instructions, etc.) NEVER attempt to use a HMI globe, Mercury-Vapor or Sodium Vapor globe in an Incandescent or Tungsten-halogen fixture or vice versa or any combination not designed to do so.

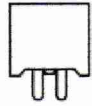
ALWAYS DISCONNECT ballast from head when inserting, removing or changing globes since some ballasts store electricity even when disconnected from power source or breakers are “off”

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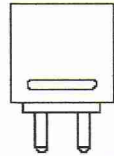
*Thanks to GE

LAMP BASE DRAWINGS

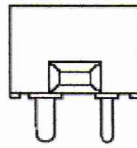
(dimensions in mm)



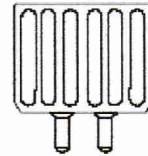
Miniature 2-Pin
G5.3 (round 1.6mm OD)
GX5.3 (round 1.5mm OD)
GY5.3 (flat 2 x .7mm)



Medium 2-Pin
G9.5 (round 3.2mm OD)
GX9.5 (Prefocused)



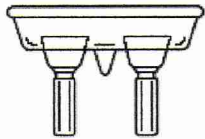
Oriented Med 2-Pin
GY9.5 (2.4/3.2mm OD)
G29.5



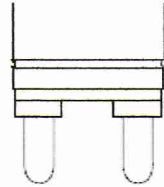
Medium 2-Pin
G9.5/Heat sink
(metal base)



GY16d



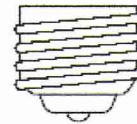
Medium BiPost
G22 (6.35mm OD)



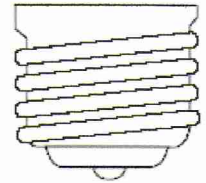
Mogul BiPost
G38 (11.1mm OD)



Miniature Candelabra
E11 (10.7mm screw)



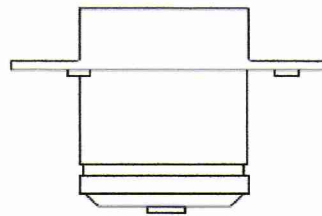
Medium Screw
E26 (26mm screw)



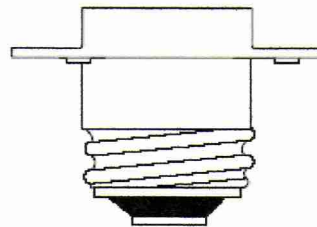
Mogul Screw
E39 (39.3mm screw)



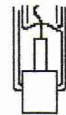
Double Contact Bayonet
BA15d (15mm diameter)



Medium Prefocus
P28s (27.5mm OD)

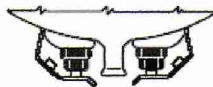


Mogul Prefocus
P40s (39.4mm OD)

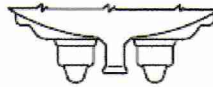


Recessed Contact
R7s (7mm OD)

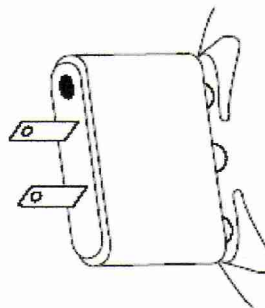
PAR LAMP BASE DRAWINGS



Screw Terminal



Ferrule



Extended MEP
(EMEP or GX16d)