

MB400 Series

T-3 1/4 Miniature Lamp



1 Model^[1]

MB400	Bayonet
MBL400	Bayonet
MF400	Flange
MFL400	Flange
MS400	Screw
MSL400	Screw

TO ORDER, FOLLOW THE EXAMPLE:

Select one **BOLD** component from each SHADED column in the tables below.

1 Model	2 LED	3 Voltage
MS400	-NWG	24H

→Part Number **MS400-NWG24H**

2 HIGH INTENSITY-WATERCLEAR ENCAPSULATION

LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]
-NWR	RED	634	2800	30	I
-NWO	ORG	605	2000	30	I
-NWA	AMB	592	2800	30	I
-NWG	GRN	520	2400	45	II
-NWB	BLU	465	700	45	II
-NWW	CWHT		2500	50	II
-NWL	WWHT		1800	50	II
-NKR	RED	634	3600	15	I
-NKO	ORG	605	8000	15	I
-NKA	AMB	592	3600	15	I
-NKG	GRN	520	10000	15	II
-NKB	BLU	465	3000	15	II
-NKW	CWHT		9200	20	II
-NKL	WWHT		9200	15	II

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table I	
5V/22mA	5.5V/28mA
6V/21mA	7V/27mA
12V/20mA	14V/25mA
15V/24mA	16.5V/28mA
24V/17mA	26V/20mA
28V/16.5mA	30V/18mA
48V/15mA	50V/16mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

3 Voltage^[4]

2
5H
6H
12H
15H
24H
28H
48H
60H
120

Voltage/Current

Design Vf/If	Max Vf/If
V/C Table II	
5V/15mA	5.5V/23mA
6V/15mA	7V/25mA
12V/15mA	14V/20mA
15V/15mA	16.5V/18mA
24V/15mA	26V/18mA
28V/15mA	30V/17mA
48V/9.5mA	50V/10mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

WIDE ANGLE/FLAT-TOPPED-WATERCOLOR ENCAPSULATION

LED	Color	λ_{pk} (nm)	$I_v^{[2]}$ (mcd)	Viewing Angle	V/C Table ^[3]
-NFR	RED	634	780	75	I
-NFA	AMB	592	600	75	I
-NFG	GRN	520	780	75	II
-NFB	BLU	465	168	75	II
-NFW	WHT		280	75	II



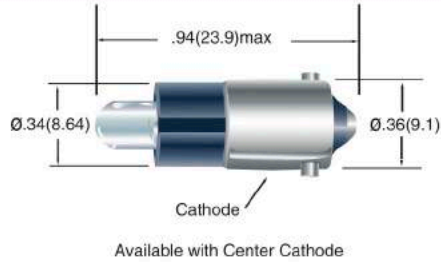
[1] All Models are center anode. Insert C after Model for center cathode (e.g. MBL400C).

[2] I_v = typical luminous intensity @ $I_f = 20mA$ ($T_a = 25^\circ C$).

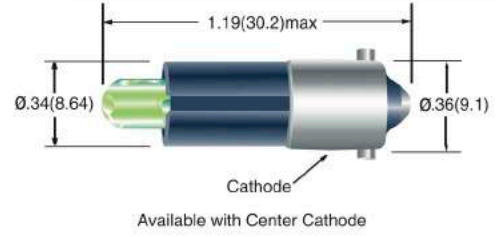
[3] See Voltage/Current table for design specifications.

[4] $T_a = 25^\circ C$. Voltage "2" indicates external resistor required. Voltages 5H through 60H are VDC. For AC operation, insert D after Voltage (e.g. 24HD). D indicates built-in rectifier; not required for 5H or 120VAC. For 120VDC, insert DC after Voltage (e.g. 120DC).

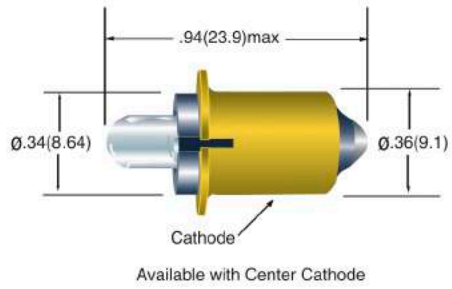
MB400



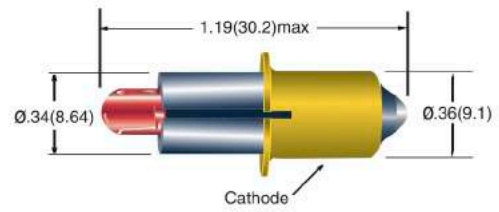
MBL400



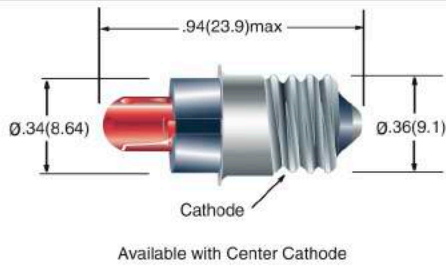
MF400



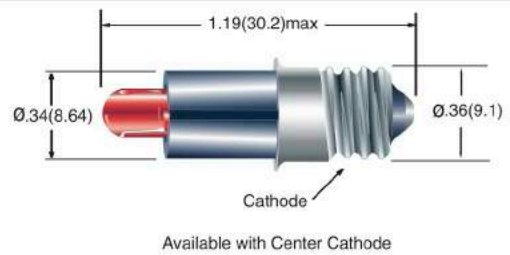
MFL400



MS400



MSL400

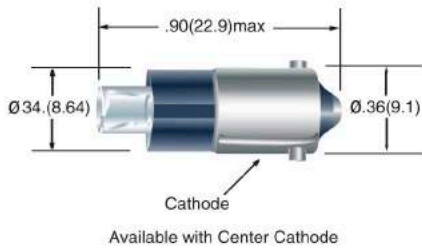


All dimensions are in inches (mm)

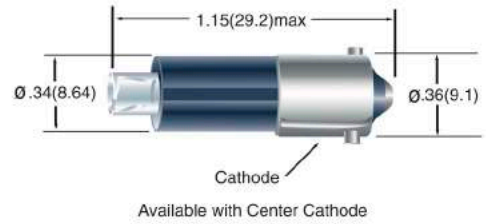
Tolerances: $.xx(.x) \pm .025(.63) / .xxx(.xx) \pm .010(.25)$
Specifications are subject to change without notice.

Wide Angle LED Lamps

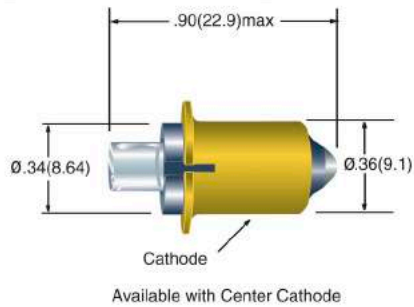
MB400, NFX Series (75°)



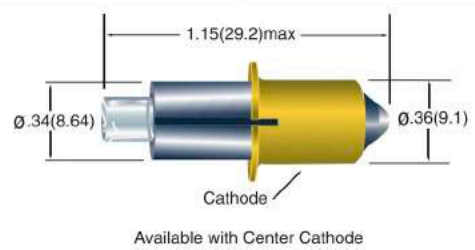
MBL400, NFX Series (75°)



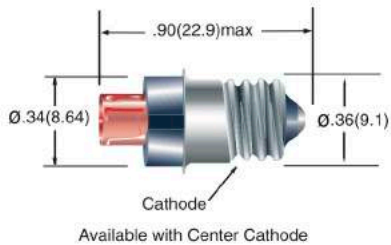
MF400, NFX Series (75°)



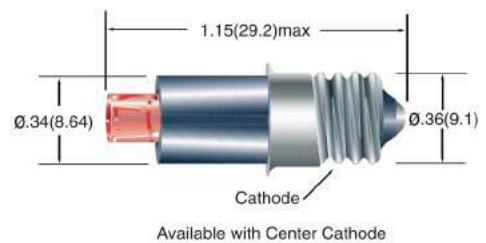
MFL400, NFX Series (75°)



MS400, NFX Series (75°)



MSL400, NFX Series (75°)



All dimensions are in inches (mm)

Tolerances: $.xx$ "(.x) $\pm.025$ "(.63) / $.xxx$ "(.xx) $\pm.010$ "(.25)
 Specifications are subject to change without notice.