

U.S. Department
of Transportation

United States
Coast Guard



Commander (oan)
Eighth Coast Guard District
Hale Boggs Federal Building

501 Magazine Street
New Orleans, LA 70130-3396
(504) 589-6234

16519/1

REC'D

Dec. 1992

Gentlemen:

Enclosed for your information is a revised copy of the "Lens/Lamp
Combination For 33 CFR Part 67."

If you have any questions or we can assist you in any way, please
contact the Private Aids to Navigation Section at (504) 589-6236.

Sincerely,

A handwritten signature in black ink, appearing to read "R. N. Harrison, Jr.", written over a horizontal line.

R. N. HARRISON, Jr.
Chief, Private Aids to Navigation Section
By direction of the District Commander

ACCEPTABLE LENS-LAMP COMBINATIONS FOR 33 CFR PART 67 (OCT 92)

LENS	LAMP	FLASH	STEADY BURNING INTENSITY	INCANDESCENCE TIME	EFFECTIVE INTENSITY AT RATED VOLTAGE	MINIMUM ALLOWABLE VOLTAGE AT LAMP
CLASS "A" STRUCTURES (12 VOLT SYSTEMS) MINIMUM 125 EFI IS REQUIRED						
155mm***	1.15A	0.4 sec	213 cp	0.15 sec	152 EFI	11.3 vdc
155mm	1.15A	0.4 sec	240 cp	0.15 sec	171 EFI	11.0 vdc
155mm*1	1.15A	0.4 sec	228 cp	0.15 sec	162 EFI	12.0 vdc
200mm	1.35A	0.3 sec	300 cp	0.16 sec	175 EFI	10.8 vdc
200mm	1.35A	0.2 sec	300 cp	0.16 sec	85 EFI	13.4 vdc
200mm	1.15A	0.3 sec	220 cp	0.15 sec	132 EFI	11.7 vdc
200mm	1.15A	0.2 sec	220 cp	0.15 sec	73 EFI	14.2 vdc
200mm	0.77A	0.3 sec	140 cp	0.11 sec	92 EFI	13.2 vdc
250mm	1.35A	0.3 sec	500 cp	0.16 sec	292 EFI	10.0 vdc*
250mm	1.35A	0.2 sec	500 cp	0.16 sec	143 EFI	11.5 vdc
250mm**	1.35A	0.3 sec	540 cp	0.16 sec	315 EFI	10.0 vdc*
250mm**	1.35A	0.2 sec	540 cp	0.16 sec	154 EFI	11.3 vdc
250mm	1.15A	0.3 sec	400 cp	0.15 sec	240 EFI	10.0 vdc*
250mm	1.15A	0.2 sec	400 cp	0.15 sec	133 EFI	11.7 vdc
250mm**	1.15A	0.3 sec	432 cp	0.15 sec	259 EFI	10.0 vdc*
250mm**	1.15A	0.2 sec	432 cp	0.15 sec	144 EFI	11.5 vdc
250mm	0.77A	0.3 sec	250 cp	0.11 sec	164 EFI	11.1 vdc
250mm	0.77A	0.2 sec	250 cp	0.11 sec	118 EFI	12.2 vdc
250mm**	0.77A	0.3 sec	270 cp	0.11 sec	177 EFI	10.8 vdc
250mm**	0.77A	0.2 sec	270 cp	0.11 sec	128 EFI	11.9 vdc

* PRACTICAL LOWER LIMIT FOR APPLIED VOLTAGE

** 250mm LENS WITH OPTICAL BIRD SPIKE

*** EXPLOSION PROOF

*1 GIMBALED LANTERN (SHORTENED) MOUNTED INSIDE 250mm LANTERN. FOR USE ON TENSION LEG PLATFORM

ACCEPTABLE LENS-LAMP COMBINATIONS FOR 33 CFR PART 67 (OCT 92)

LENS	LAMP	FLASH	STEADY BURNING INTENSITY	INCANDESCENCE TIME	EFFECTIVE INTENSITY AT RATED VOLTAGE	MINIMUM ALLOWABLE VOLTAGE AT LAMP
CLASS "A" STRUCTURES (12 VOLT SYSTEMS) MINIMUM 125 EFI IS REQUIRED						
250mm	0.55A	0.3 sec	170 cp	0.088 sec	115 EFI	12.3 vdc
250mm**	0.55A	0.3 sec	184 cp	0.088 sec	124 EFI	12.0 vdc
250mm	0.5A#	0.3 sec	350 cp	0.088 sec	238 EFI	10.6 vdc
250mm	20W##	0.35 sec	360 cp	0.225 sec	200 EFI	10.3 vdc
300mm	0.77A	0.3 sec	400 cp	0.11 sec	262 EFI	10.0 vdc*
300mm	0.77A	0.2 sec	400 cp	0.11 sec	189 EFI	10.6 vdc
300mm	0.55A	0.3 sec	260 cp	0.088 sec	177 EFI	10.8 vdc
300mm	0.55A	0.2 sec	260 cp	0.088 sec	137 EFI	11.7 vdc
300mm	10W##	0.25 sec	400 cp	0.155 sec	195 EFI	10.3 vdc
300mm	2.03A*2	0.4 sec	584 cp	0.2 sec	231 EFI	10.2 vdc
Biform						

*2 SINGLE CONTACT PREFOCUS LAMP WITH 12.0mm FILAMENT LENGTH. FOR USE ON TENSION LEG PLATFORM 4° TILT.

** 250mm LENS WITH OPTICAL BIRD SPIKE
 # API CC12V 0.5A LAMP
 ## NSA (AGA) DUAL FILAMENT LAMP

BATTERIES ARE THE ONLY ACCEPTABLE AUXILIARY POWER SOURCE FOR STRUCTURES LOCATED IN THE WATERS OF THE EIGHTH COAST GUARD DISTRICT. 120 VOLT AC POWERED AIDS TO NAVIGATION ARE NOT ACCEPTABLE UNLESS THEY HAVE A BATTERY POWERED AUXILIARY LIGHTING SYSTEM THAT MEETS CLASS "A" LIGHTING REQUIREMENTS.