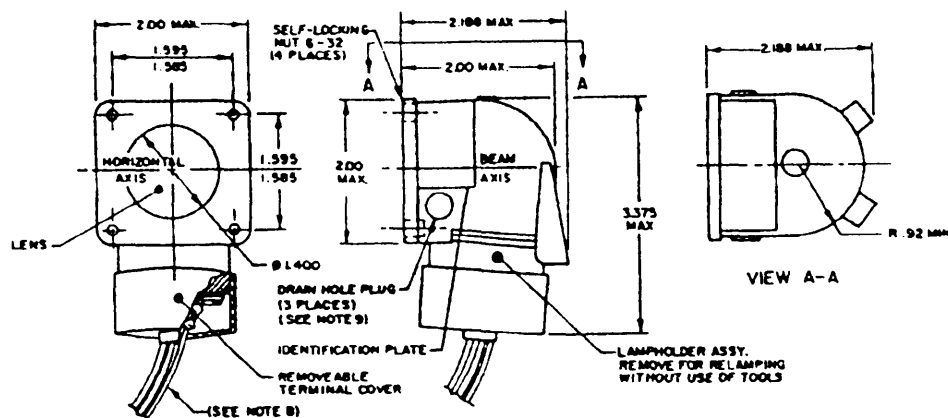


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: ML-L-6723



BEAM	MAXIMUM INTENSITY (DISTRIBUTION CURVE) CANDELAS	BEAM SPREAD TO 10% OF MAXIMUM INTENSITY DEGREES
BRIGHT	NO LESS THAN 1000	NO LESS THAN 35° HORIZONTAL 25° VERTICAL
DIM	100 TO 150	NO LESS THAN 60° HORIZONTAL 30° VERTICAL

PART NUMBER	COLOR OF LENS
MS25318-1	CLEAR
MS25318-2	RED
MS25318-3	YELLOW
MS25318-4	GREEN

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

NOTES:

- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS .XX ± .03, .XXX ± .010.
- BRIGHT AND DIM BEAMS SHALL BE PROVIDED BY A SINGLE LAMP AND INDEPENDENT CIRCUITS, EXCEPT FOR A COMMON GROUND.
- LIGHT INTENSITY (CANDELAS) IS BASED ON USE OF A CLEAR LENS WITH TRANSMISSION FACTOR ADJUSTED TO 100%. COLORS SHALL BE IDENTIFICATION COLOR IN ACCORDANCE WITH MIL-C-25050.
- TERMINALS SHALL BE #6 SCREWS. TERMINAL LOCATIONS SHALL BE MARKED "B" FOR BRIGHT BEAM CIRCUIT, "D" FOR DIM BEAM CIRCUIT, AND "C" FOR COMMON GROUND.
- LIGHT HOUSING SHALL BE A356.2 ALUMINUM CASTING ALLOY PER QQ-A-371. FINISH SHALL INCLUDE A WASH PRIMER, ZINC CHROMATE PRIMER, AND A CHEMICAL CONVERSION COATING CONFORMING TO MIL-C-5541.
- MAXIMUM WEIGHT OF LIGHT ASSEMBLY SHALL BE 0.4 LBS.
- A BULKHEAD MOUNTING PLATE OF APPROXIMATELY .030 INCH THICK ALUMINUM SHALL BE PROVIDED. THE PLATE SHALL HAVE A CUT-OUT SLIGHTLY SMALLER THAN THAT OF THE LENS SIZE AND 4 HOLES TO ACCEPT #6 SIZE SCREWS FOR MOUNTING.
- WIRE LEADS SHALL BE 24 ± 1 INCHES LONG CONFORMING TO MIL-W-81044/9, PART NO. M81044/9-20-9. EACH WIRE SHALL BE MARKED AT 3 ± 1/2 INCH INTERVALS WITH ITS CORRESPONDING TERMINAL LETTER (B, C, OR D AS APPLICABLE).
- REMOVE ONE DRAIN HOLE PLUG TO PROVIDE PROPER DRAINING.
- LIGHTS SHALL BE TESTED IN ACCORDANCE WITH MIL-L-6723 AND THE FOLLOWING: VIBRATION IN ACCORDANCE WITH MIL-STD-810, METHOD 514.4, CATEGORY 4 (PROPELLER AIRCRAFT), TEST PROCEDURE I, TEST CONDITION I-3.4.1, TABLE 514.4-II ($L_1=0.3g's/Hz$, $F_1=68Hz$), FIGURE 514.4-7, TEST DURATION OF 1 HOUR IN EACH OF 3 ORTHOGONAL AXES. SHOCK IN ACCORDANCE WITH MIL-STD-810, METHOD 516.4, PROCEDURE I (FUNCTIONAL), FIGURE 516.4.1 (20g's, 6-9MS, 3 SHOCKS IN EACH OF 3 ORTHOGONAL AXES. ACCELERATION IN ACCORDANCE WITH MIL-STD-810, METHOD 513.4, PROCEDURE II (OPERATIONAL), TABLE 513.4-II, VEHICLE CATEGORY-AIRCRAFT. ABOVE TESTS SHALL BE PERFORMED WITH THE LAMPS ON AND THE LIGHT ASSEMBLY HARD-MOUNTED TO THE REQUIRED TEST FIXTURE.

PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS: ARMY- NAVY- AIR FORCE- DLA-	TITLE LIGHT, APPROACH, 28 VOLT	MS25318C(AS) 15 APR 1991
REVIEW: USER:		SUPERSEDING MS25318B(AS) 28 MAY 1964
PROJECT NUMBER: 6220-N374		AWSC- N/A FSC 6220

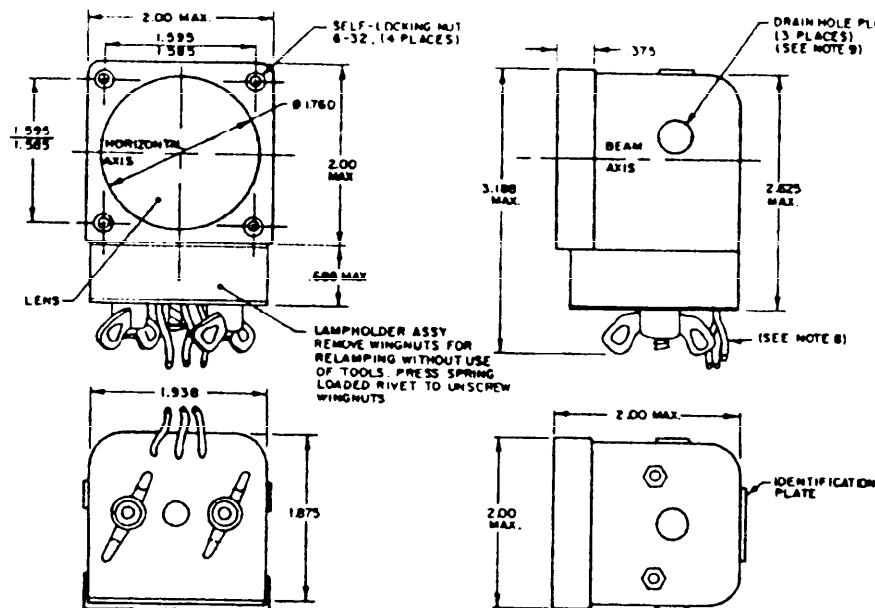
DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited

Page 1 of 2

THIS SPECIFICATION IS APPROVED FOR USE BY THE NAVAL AIR SYSTEMS COMMAND, DEPARTMENT OF THE NAVY, AND IS AVAILABLE FOR USE BY ALL PARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-L-6723

THIS SPECIFICATION IS APPROVED FOR USE BY THE NAVAL AIR SYSTEMS COMMAND, DEPARTMENT OF THE NAVY, AND IS AVAILABLE FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.



Form approved
OMB No. 0704-0188

BEAM	MAXIMUM INTENSITY (DISTRIBUTION CURVE) CANDELAS	BEAM SPREAD TO 10% OF MAXIMUM INTENSITY DEGREES
BRIGHT	NO LESS THAN 1000	NO LESS THAN 35° HORIZONTAL 25° VERTICAL
DIM	100 TO 150	NO LESS THAN 60° HORIZONTAL 30° VERTICAL

PART NUMBER	COLOR OF LENS
MS25318-5	CLEAR
MS25318-6	RED
MS25318-7	YELLOW
MS25318-8	GREEN

NOTES:

- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS .XX ± .03, .XXX ± .010.
- BRIGHT AND DIM BEAMS SHALL BE PROVIDED BY TWO INDEPENDENT LAMPS AND INDEPENDENT CIRCUITS, EXCEPT FOR A COMMON GROUND.
- LIGHT INTENSITY (CANDELAS) IS BASED ON USE OF A CLEAR LENS WITH TRANSMISSION FACTOR ADJUSTED TO 100%. COLOR SHALL BE IDENTIFICATION COLOR IN ACCORDANCE WITH MIL-C-25050.
- TERMINALS SHALL BE #6 SCREWS. TERMINAL LOCATIONS SHALL BE MARKED "B" FOR BRIGHT BEAM CIRCUIT, "D" FOR DIM BEAM CIRCUIT, AND "C" FOR COMMON GROUND.
- LIGHT HOUSING SHALL BE POLYPHENYLENE SULFIDE.
- MAXIMUM WEIGHT SHALL BE 0.4 LBS.
- A BULKHEAD MOUNTING PLATE OF APPROXIMATELY .030 INCH THICK ALUMINUM SHALL BE PROVIDED. THE PLATE SHALL HAVE A CUT-OUT SLIGHTLY SMALLER THAN THAT OF THE LENS SIZE AND 4 HOLES TO ACCEPT #6 SIZE SCREWS FOR MOUNTING.
- WIRE LEADS SHALL BE 24 ± 1 INCHES LONG CONFORMING TO MIL-W-81044/9, PART NO. M81044/9-20-9. EACH WIRE SHALL BE MARKED AT 3 ± 1/2 INCH INTERVALS WITH ITS CORRESPONDING TERMINAL LETTER (B, C, OR D AS APPLICABLE).
- REMOVE ONE DRAIN HOLE PLUG TO PROVIDE PROPER DRAINING.
- LIGHTS SHALL BE TESTED IN ACCORDANCE WITH MIL-L-6723 AND THE FOLLOWING: VIBRATION IN ACCORDANCE WITH MIL-STD-810, METHOD 514.4, CATEGORY 5 (JET AIRCRAFT), TEST PROCEDURE 1, TEST CONDITION 1-3.4.2, TABLE 514.4-III (AERODYNAMICALLY INDUCED VIBRATION), FIGURE 514.4-B, TEST DURATION OF 1 HOUR IN EACH OF 3 ORTHOGONAL AXES. SHOCK IN ACCORDANCE WITH MIL-STD-810, METHOD 516.4, PROCEDURE 1 (FUNCTIONAL), FIGURE 516.4.1 (20g's, 6-9MS, 3 SHOCKS IN EACH OF 3 ORTHOGONAL AXES. ACCELERATION IN ACCORDANCE WITH MIL-STD-810, METHOD 513.4, PROCEDURE II (OPERATIONAL), TABLE 513.4-11, VEHICLE CATEGORY-AIRCRAFT (ADJUSTED FOR CARRIER-BASED AIRCRAFT). ABOVE TESTS SHALL BE PERFORMED WITH THE LAMPS ON AND THE LIGHT ASSEMBLY HARD-MOUNTED TO THE REQUIRED TEST FIXTURE.

PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS: ARMY-NAVY- AIR FORCE-DLA-	TITLE LIGHT, APPROACH, 28 VOLT	MS25318C(AS) 15 APR 1991
REVIEW: USER:		SUPERSEDING MS25318B(AS) 28 MAY 1964
PROJECT NUMBER: 6220-N374		AWSC- N/A FSC 6220

DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited.