

**NOTES: (UNLESS OTHERWISE SPECIFIED)**

1. THIS ASSEMBLY IS A DUAL MODE (WHITE/VISIBLE AND IR) SEARCHLIGHT. THE SEARCHLIGHT ENVELOPE MEETS THE REQUIREMENTS OF MIL-L-81174/2B.

2. ILLUMINATION CHARACTERISTICS:

- A. BEAM SPREAD (WHITE): 9° - 10°
- B. CANDLEPOWER: 480,000 CD TYP.
- C. BEAM SPREAD (IR): 18° - 19°
- D. IR INTENSITY: 21 W/SR MAX. (NVIS-A)

3. ELECTRICAL CHARACTERISTICS:

- A. INPUT VOLTAGE: 28 VDC NOMINAL, 22 VDC MIN, 32 VDC MAX
- B. MAX. POWER OF VISIBLE/WHITE ILLUMINATION: 170 WATTS
- C. MAX. POWER OF IR ILLUMINATION: 10 WATTS
- D. MAX. POWER @ MAX DEPLOYMENT SPEED WHILE EXTENDING & ROTATING & WHITE LIGHT AT 32VDC MAX: 234 WATTS
- E. MAX. POWER @ MAX DEPLOYMENT SPEED WHILE EXTENDING & ROTATING AT 32VDC MAX: 64 WATTS (32 WATTS PER MOTOR)

4. MATING SURFACES CORRESPONDING TO THE INDICATED FAYING SURFACES ON THE SEARCHLIGHT BASE SHALL BE ELECTRICALLY CONDUCTIVE TO FACILITATE BONDING/GROUNDING OF THE SEARCHLIGHT CHASSIS.

5. SEARCHLIGHT CONTROL SWITCHES AND INTERCONNECT WIRING ARE CUSTOMER SUPPLIED AND ARE NOT INCLUDED AS PART OF THE SEARCHLIGHT.

6. MAXIMUM WEIGHT: 7.70 LBS

7. MARKING: ASSEMBLY SHALL BE IDENTIFIED IN ACCORDANCE WITH LPS-258.

8. FINISH:

THE EXTERNAL COVERS, BASE, AND ROTATION HOUSING ARE CHEMICAL CONVERSION COATED PER MIL-DTL-5541, FOLLOWED BY ONE COAT OF PRIMER HMS 15-1100, TYPE 1, CLASS 2, GRADE N, AND TWO COATS OF FLAT BLACK POLYURETHANE PAINT PER MIL-C-46168, TYPE IV, COLOR NO. 37038 PER FED-STD-595.

ALL SURFACES OF THE SEARCHLIGHT HEAD ARE CHEMICAL CONVERSION COATED PER MIL-DTL-5541 AND EXTERNAL SURFACES FURTHER ANODIZED PER MIL-A-8625 (BLACK).

9. THE SEARCHLIGHT IS CAPABLE OF EXTENDING AT A MAXIMUM AIRSPEED OR 120 KNOTS AND WILL HOLD ANY POSITION UP TO 180 KNOTS.

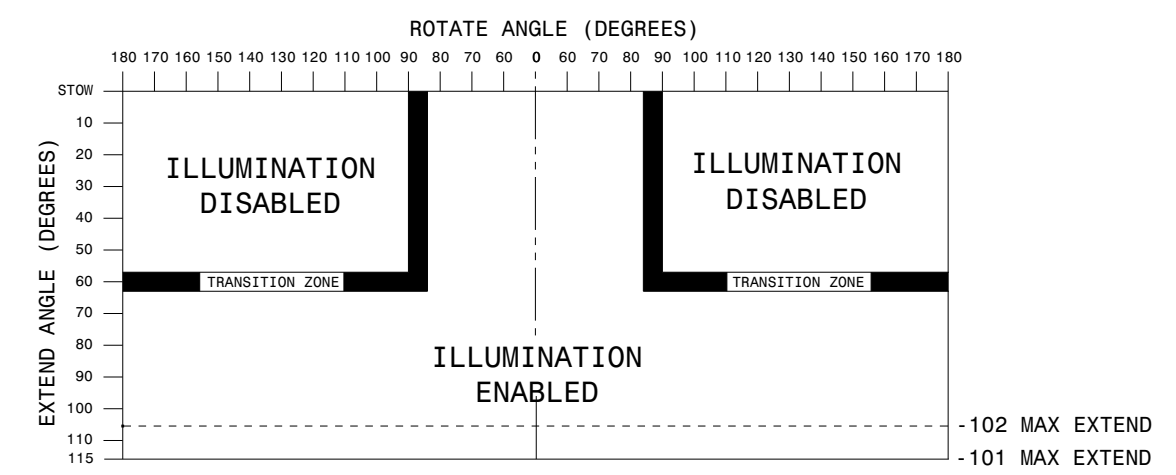
10. IR SAFETY:  
WHEN "IR" IS ILLUMINATED, APPROPRIATE IR SAFETY GLASSES ARE REQUIRED BY ANY PERSONNEL UP TO 3 METERS FROM THE SEARCHLIGHT. THE IR CAN BE ILLUMINATED WITH OR WITHOUT THE WHITE LIGHT ENABLED. WHITE/VISIBLE OR IR ILLUMINATION CAN BE ENABLED WHENEVER POWER IS SUPPLIED TO THE SEARCHLIGHT.

11. REQUIRED MOUNTING HARDWARE: QUANTITY OF 4 #8-32UNC FASTENERS.

CALCULATION OF MAXIMUM FASTENER LENGTH = 0.315" + AIRFRAME / MOUNTING SURFACE THICKNESS.

MOUNTING FASTENER LENGTHS SHALL NOT EXCEED THE MAXIMUM AS SPECIFIED HEREIN. SEARCHLIGHT MOVEMENT WILL BE IMPAIRED, BIND, AND MAY BE DAMAGED IF MOUNTING SCREW LENGTHS PROTRUDE FURTHER THAN 0.315" INTO THE SEARCHLIGHT, AS MEASURED FROM THE OUTER SURFACE OF THE SEARCHLIGHT BASE.

12. SEARCHLIGHT ILLUMINATE MAY BE ENABLED, EITHER VISIBLE/WHITE OR IR, WHEN EXTEND AND ROTATE ANGLES INTERSECT WITHIN "ILLUMINATION ENABLED" AREAS PER THE FIGURE BELOW. THE SEARCHLIGHT WILL NOT ILLUMINATE WHEN THE SEARCHLIGHT'S EXTEND AND ROTATE ANGLES INTERSECTION WITHIN EITHER OF THE "ILLUMINATION DISABLED" AREAS. THE SEARCHLIGHT MAY OR MAY NOT ILLUMINATE WITHIN THE TRANSITION ZONES.



13. QTP NUMBER: 909775  
QTR NUMBER: 909775

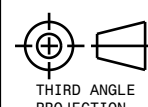
14. CONNECTOR: TERMINAL BLOCK WITH #6-32UNC-2A BINDING HEAD SCREWS

REFER TO TOP LEVEL ASSEMBLY DRAWING

**INTERFACE CONTROL DRAWING**

PART NUMBER: 0231687-101

THE INFORMATION CONTAINED ON THIS DOCUMENT IS PROPRIETARY TO LUMINATOR HOLDING, L.P., AND SHALL NOT BE USED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DESIGN ENG J. BELL	DATE 05-31-19
TOLERANCES ON		DRAWN D. FREY	DATE 05-31-19
2 PLACE DECIMAL	3 PLACE DECIMAL	MFG ENG N/A	DATE N/A
±.02	±.010	CHECKER L. GREGORY	DATE 06-24-19
HOLE DIAMETER TOLERANCES		APPROVAL J. BELL	
.000-.500	.501-UP	DATE 06-05-19	
+.005	+.010	SCALE: N/A WT. SEE NOTE 6 SH NO. 1 OF 3	
-.001	-.001	REV F	
FINAL	FINAL	APPLICATION	
NEXT ASSY	USED ON	ANGLES ±1°	

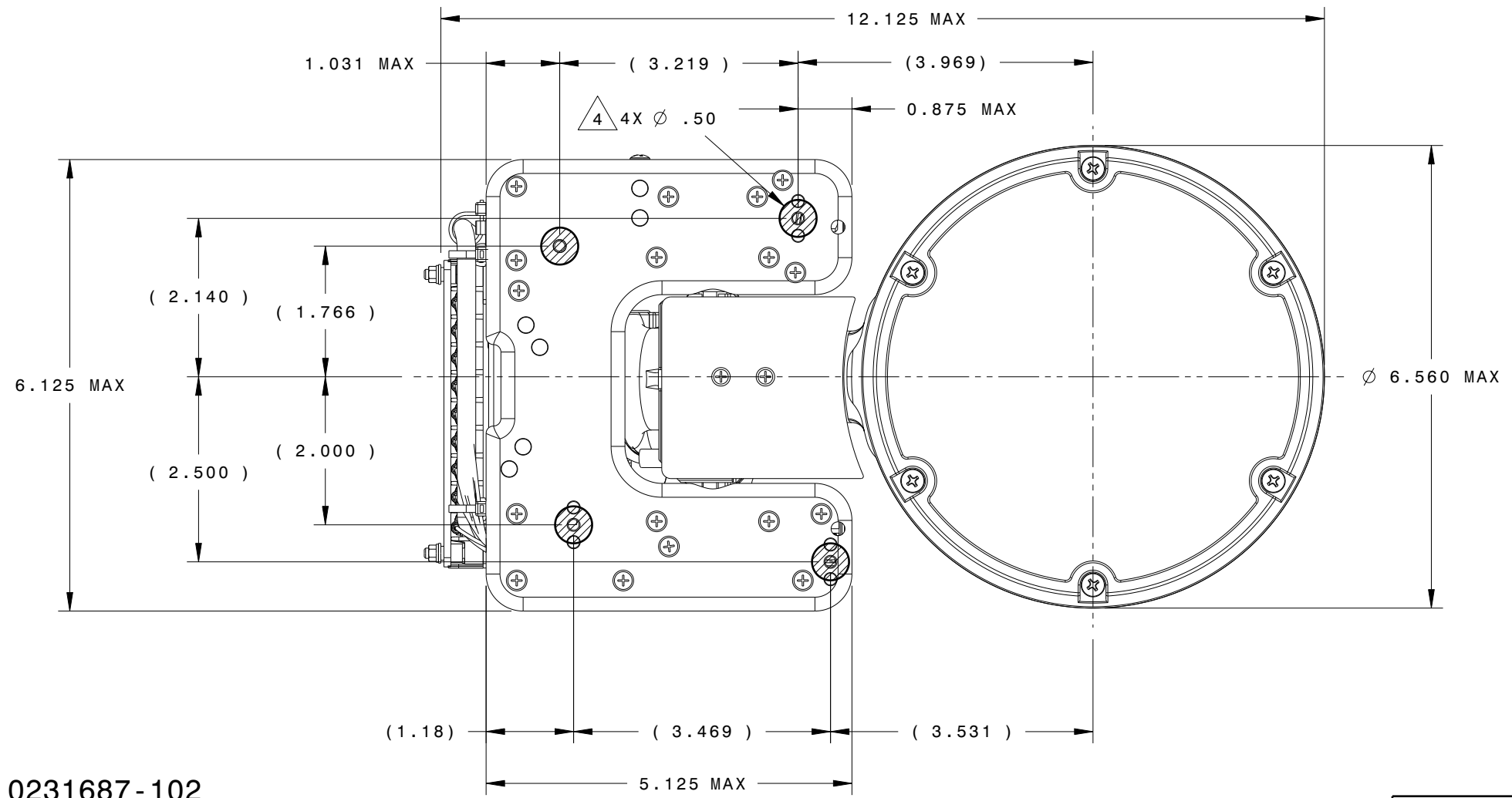
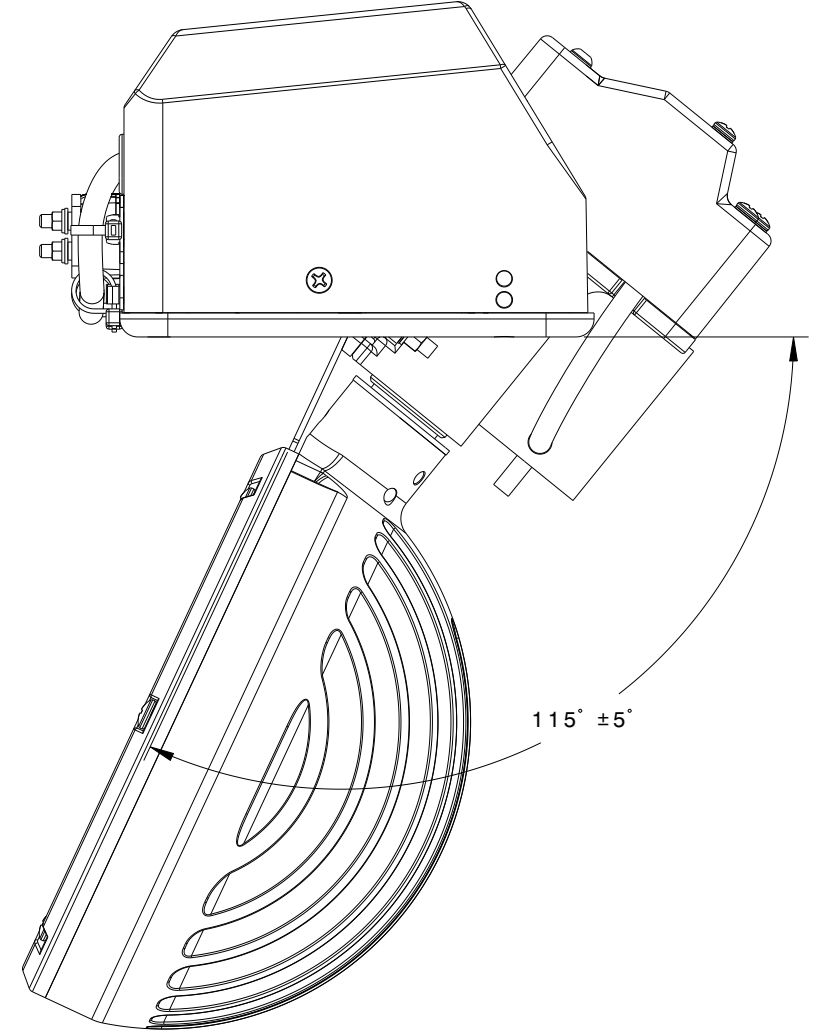
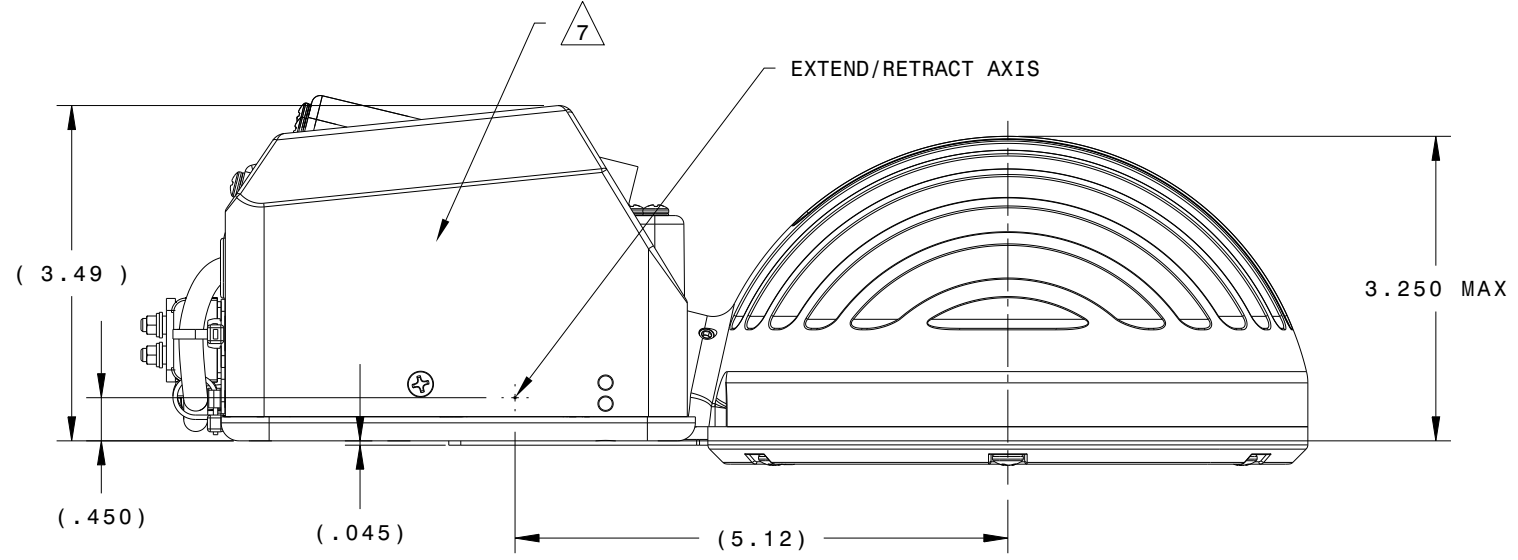
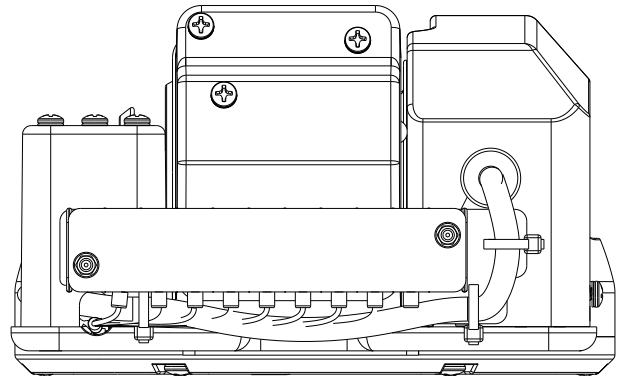
Plano, Texas

**Luminator**

TITLE  
**SEARCHLIGHT, LED, LS400T**

CAGE CODE  
**B OVD A9**

DWG NO.  
**ICD-0231687**



EXTENDED VIEW  
-101

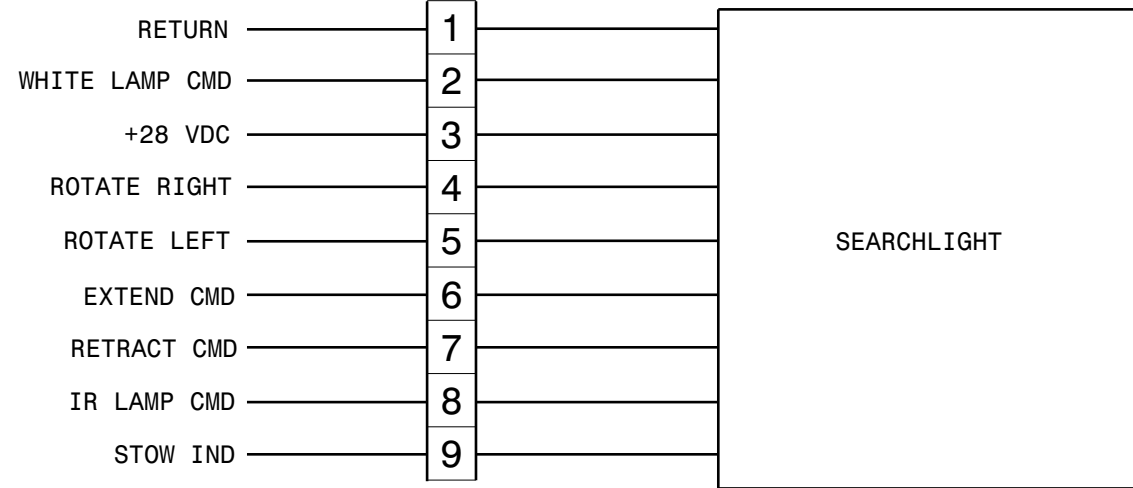
0231687-102  
PART NUMBER: 0231687-101

THE INFORMATION CONTAINED ON THIS DOCUMENT IS PROPRIETARY TO LUMINATOR HOLDING, L.P., AND SHALL NOT BE USED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT.

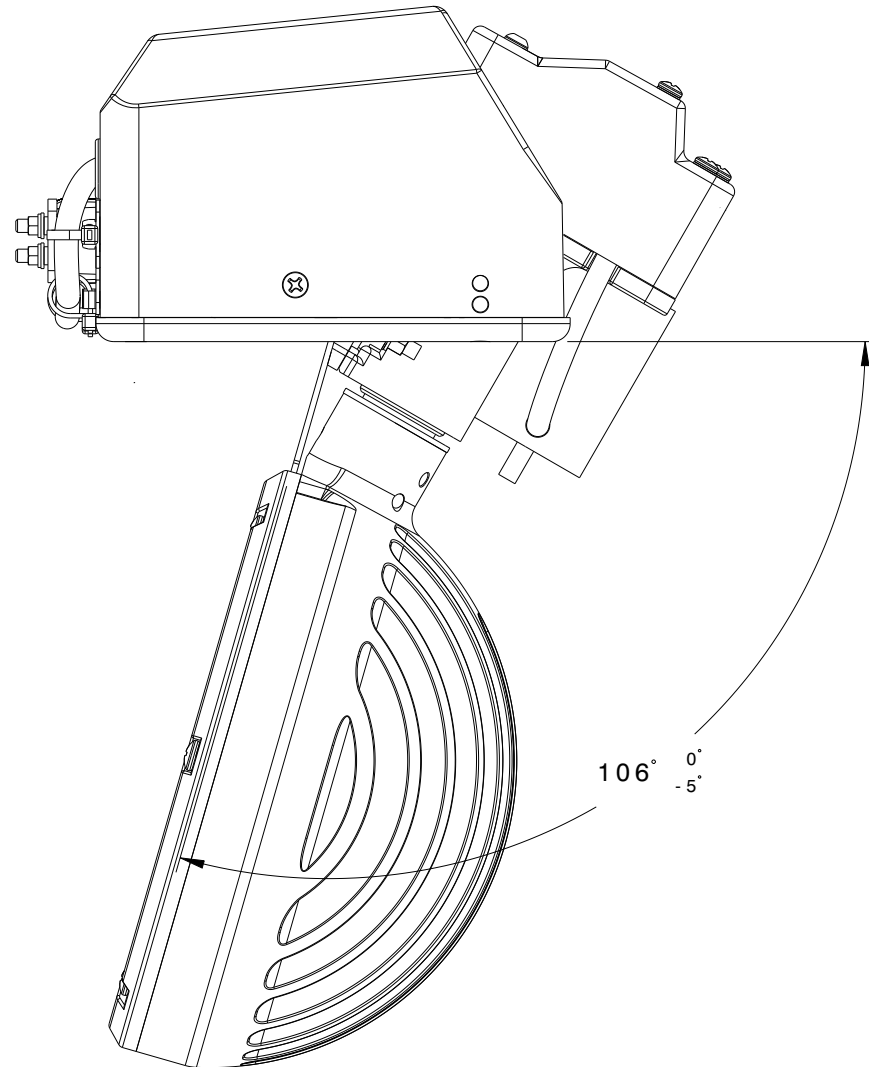


CAGE CODE	DWG NO.	REV
<b>B</b> OVDA9	ICD-0231687	<b>F</b>
SCALE: 1/2	WT. SEE NOTE 6	SHEET 2

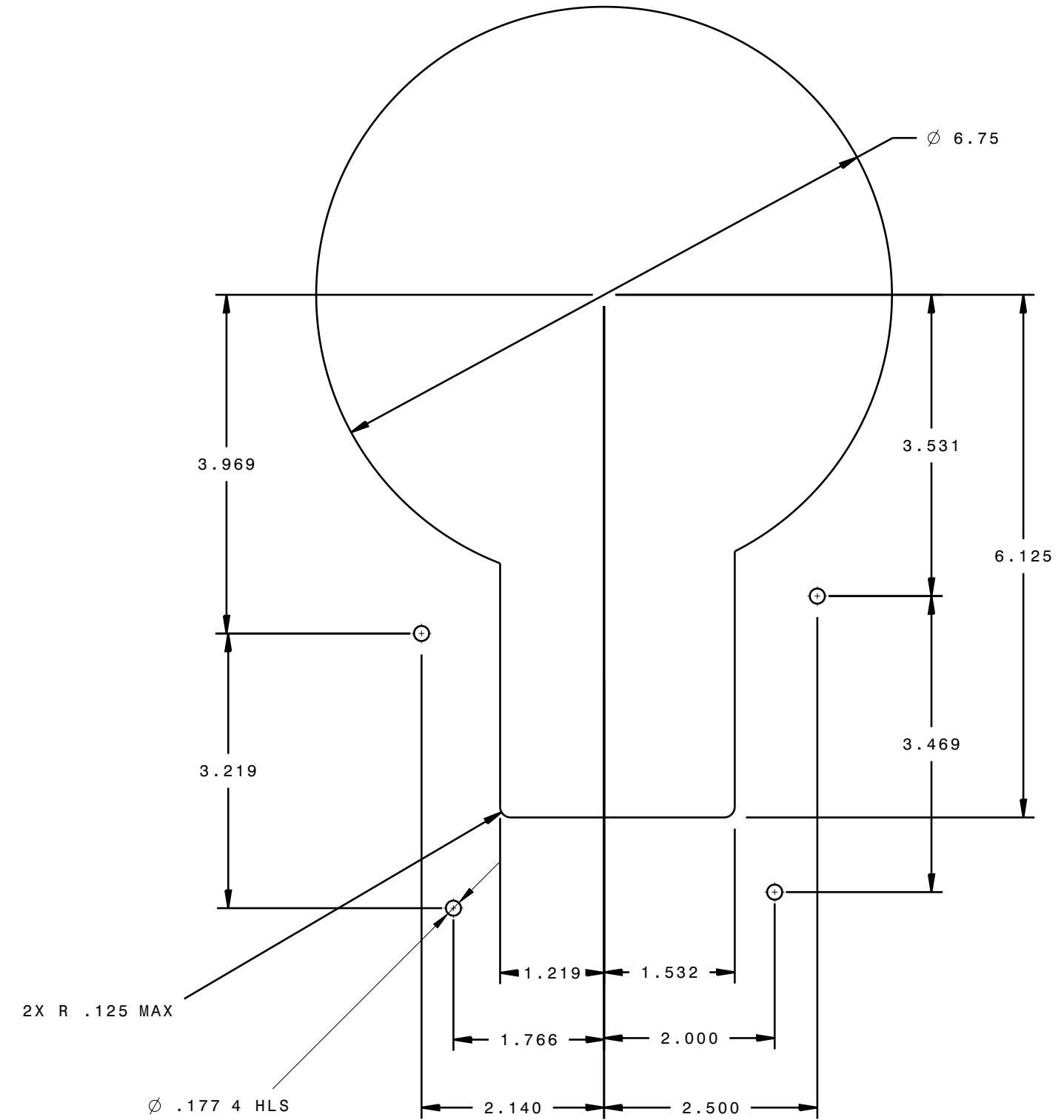
TERMINAL BLOCK



ELECTRICAL CONNECTIONS



EXTENDED VIEW  
-102



INSTALLATION CUTOUT

0231687-102  
PART NUMBER: 0231687-101

THE INFORMATION CONTAINED ON THIS DOCUMENT IS PROPRIETARY TO LUMINATOR HOLDING, L.P., AND SHALL NOT BE USED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT.



CAGE CODE	DWG NO.	REV
B 0VDA9	ICD-0231687	F
SCALE:	1/2	WT. SEE NOTE 6 SHEET