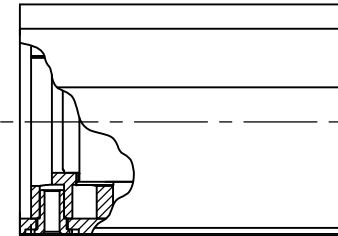
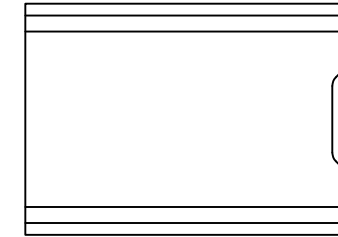
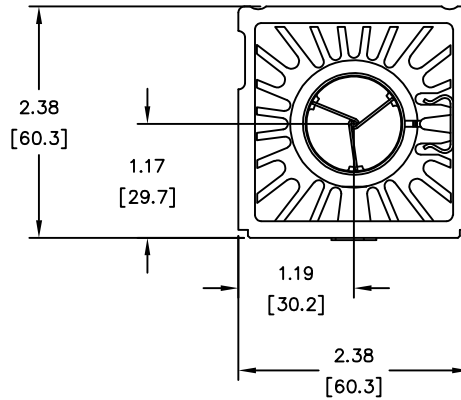
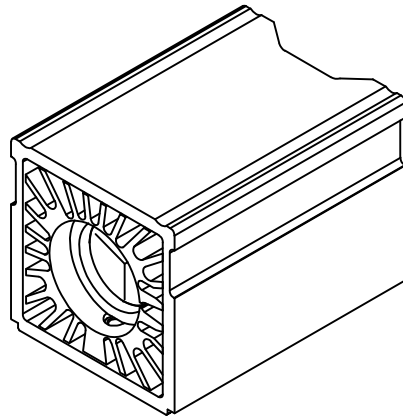


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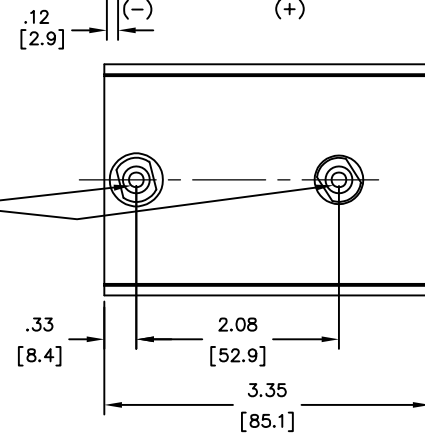
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REL/ECN 5102	11/20/18	K.TONG
	B	REV/CMS31274	06/03/22	W.SURYAJAYA

NOTES:

- THIS DRAWING APPLIES TO MODEL NUMBER: J2027
- DIMENSION IN BRACKETS ARE IN MILLIMETERS.



RECOMMENDED AIR FLOW DIRECTION



2X HIGH VOLTAGE CONNECTORS

INTERFACE CONTROL DRAWING

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± 1/32 DECIMALS .001 ± .002 JXX ± .005 SURFACE ROUGHNESS: 125/✓</small>	CUSTOMER DOC NO.		EXCELITAS TECHNOLOGIES		8 Tractor Road Singapore 627969	
	APPROVALS	DATE	TITLE			
	DRAWN BY K.TONG		J2027			
	CHECKED N/A		CERMEX XENON LAMP MODULE			
MATERIAL:	ENGR. N/A	PROJ. ENGR. M.IGUCHI	07/08/15	SIZE C	CAGE CODE 31573	DWG. NO. 233775
FINISH:	QA N/A	M & P N/A		SCALE NONE	DO NOT SCALE DRAWING	SHEET 1 OF 2

J2027
150 Watt Cermax® Parabolic Module



		Min	Nominal	Max	Comments
1. Ignition Requirements					
1.1	Peak Ignition Voltage at Lamp Terminals (kV)	25	30	35	
1.2	Ignition Pulse Width FWHM at Lamp Terminals (ns)	60	75	150	
1.3	Recommended Boost Voltage at Lamp Terminals (Volts)	150	200	220	
1.4	Boost Current at Lamp Terminals (Amps)	80	120	150	
1.5	Boost Circuit RC discharge time (ms)	0.75	1.00	1.50	
1.6	Boost Energy (Joules)	1.5	2.0	2.5	
1.7	Lamp Module Breakdown Voltage (kV)	-	-	23	As per Excelitas test method and equipment
1.8	Recommended discharge energy in ignition transformer is 0.1 to 0.2 Joules.				
1.9	Main DC power supply to deliver operating current within RC discharge time of boost circuit.				
1.10	Ignition requirements are applicable throughout lamp life.				
2. Electrical					
2.1	Operating Power (Watts)	150	175	200	
2.2	Operating Current (Amps)	10.0	12.5	14.0	
2.3	Initial Lamp Voltage (Volts)	11.0	-	14.6	Voltage may change over lamp life
2.4	Ripple Current 0 - 1kHz (pk-pk %)	-	-	2	May increase over lamp life
3. Light Output / Performance at Nominal Rated Power (initial only unless otherwise specified)					
3.1	Radiant Output (Watts)	-	21.5	-	
3.2	UV Output < 390nm (Watts)	-	1	-	
3.3	IR Output > 770nm (Watts)	-	12.5	-	
3.4	Visible Output 390 - 770nm when new (Lumens)	-	1800	-	
3.5	Focused Output (Lumens)	330	-	615	
3.6	Color Temperature (Kelvin)	-	5900	-	May decrease ~5-10% over lamp life
3.7	Focused Output with F/1 lens into 3mm aperture (Lumens)	-	950	-	
3.8	Focused Output with F/1 lens into 6mm aperture (Lumens)	-	1500	-	
3.9	Peak instabilities 0 - 100Hz, integrated light when new (%)	-	-	10	As per Excelitas test method and equipment
4. Mechanical & Environmental					
4.1	Window Diameter (mm)	-	25.4	-	
4.2	Exit Air Flow (CFM)	6	10	-	Depends on customer system pressure losses
4.3	Operating Temperature Lamp Ceramic Top Center (Celsius)	-	-	180	Maximum should not be exceeded during life
4.4	Storage Temperature (Celsius)	-40	-	70	
4.5	Ambient starting Temperature (Celsius)	0	-	-	
4.6	Operating Humidity (% non-condensing)	-	-	85	
4.7	Weight (Grams)	-	340	-	
4.8	Recommended Environmental Operating Pressure (hPa)	700	1010	1050	hPa = hectopascals (Pascals x 100) = millibar
4.9	Operating Orientation (Degrees from horizontal)	-45	0	45	
4.10	Material composition for lamp module housing 20% glass filled nylon (UL 94 V-0). Maximum recommended temperature is 100°C.				
4.11	Optical components used with lamp or lamp module should not impede air flow, nor should they reflect radiated energy back towards the lamp.				
4.12	Air flow and air inlet temperature should always ensure lamp temperature is kept within specification throughout lamp life.				
4.13	EMI characteristics may vary with operating hours and power. Adequate system precautions should be taken.				
4.14	Additional EMI may result when operating outside the recommended power range.				
4.15	Non-operating Shock & Vibration per ISTA1A.				
4.16	RoHS Compliant				
5. Notes					
5.1	Where no minimum or maximum value is specified, the value is nominal only and may vary.				
5.2	Any warranty will be void if the operated for more than 1000 ignition cycles or the on-time is less than 10 minutes. Conditional upon operation within specification limits.				
5.3	Excelitas Technologies assumes no responsibility for the suitability of this product for any particular application or any consequential damages associated with the use of this product.				
5.4	Specifications subject to change without notice.				