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Product Specification Document

ACAD-497 ER-XZ Rev 2

Product ID:	CRS Lighting Fixture White	497ER-XZ	ROHS Compliant
Application:	Lighting Fixtures ■ Traditional Reflectors and Louvers		
Material Specification:			
Alloy:	Steel-ASTM 1008 Type B	Paint: Polyester with RoHS Bonderite 1455SF-Non Chrome pre-treatment	
Temper:	#3 Skin Rolled		
Mechanical Properties (Typical-Type B):			
Tensile Strength:	303-358 MPa	(43,900-51,900 psi)	
Yield Strength	180-240 MPa	(26,100-34,800 psi)	
Elongation:	42-48%		
Optical / Anodized Properties:			
Total Reflectance (TR%) ¹ :	87% minimum	¹ (ASTM E1164-12)	
Gardner 60° Gloss ²	With Grain 80-85	Across Grain 75-80	² (ASTM D 523 / ISO 7668)
Color ³ :	L* 94 to 98	a* -3 to 1	b* -1 to 3 ³ (CIE L* a* b*)
Availability: Sheet and Coil			
Gage:	0.43 to 1.01 mm	(0.017 to 0.040 inch)	
Width:	12.7 to 1346 mm	(0.50 to 53.000 inch)	
Length:	up to 3660 mm	(up to 144 inch)	
Tolerances (standard): (Tighter tolerance may be possible. Contact your sales representative.)			
Gage:	From:	0.43 to 0.80 mm	+/- 0.040 mm (0.017 to 0.032 inch, +/- 0.0015 inch)
		0.81 to 1.01 mm	+/- 0.050 mm (0.033 to 0.040 inch, +/- 0.002 inch)
Slit Width:	From:	12.7 to 305 mm	+/- 0.125 mm (0.5 to 12 inch, +/- 0.005 inch)
		306 to 610 mm	+/- 0.38 mm (12.1 to 24 inch, +/- 0.015 inch)
		611 to 1282 mm	+/- 0.50 mm (24.1 to 50 inch, +/- 0.020 inch)
Sheet:	Length:	Up to 1524 mm	+/- 1.0 mm (Up to 60 inch, +/- 0.040 inch)
		1525 to 3050 mm	+/- 1.5 mm (60 to 120 inch, +/- 0.060 inch)
		3051 to 3660 mm	+/- 2.0 mm (120 to 144 inch, +/- 0.080 inch)
	Squareness: ¹	Up to 1200 mm	+/- 0.5 mm (Up to 48 inch, +/- 0.020 inch)
		1201 to 2400 mm	+/- 1.0 mm (49 to 95 inch, +/- 0.040 inch)
		2401 to 3660 mm	+/- 1.5 mm (96 to 144 inch, +/- 0.060 inch)
		¹ Difference in diagonals	
Lateral Bow (in one meter):	Width Under 300 mm:	2.5 mm max.	(Width Under 12 inch: 0.100 inch)
	Width Over 300 mm:	1.25 mm max.	(Width Over 12 inch: 0.050 inch)
Flatness:	Height between waves:	1% of wave length, 8mm (0.32 inch) maximum.	
Burr:	10% of gage	Not to exceed .08 mm (.003 inch)	