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# Product Specification Document

ACAD-481 ERXZ Rev 3

<b>Product ID: 481ERXZ Lighting White on Steel 86TR</b>				
<b>Application: LED Reflectors and Fixtures ■ Traditional Reflectors and Louvers</b>				
<b>Material Specification: For Comparison Purposes-Not to be used for Engineered Specifications.</b>				
Alloy:	Steel – Cold Rolled Commercial Brite			
Temper:	B-71			
Mechanical Properties (typical):				
Tensile Strength:	40-44 KSI			(63,800 psi)
Yield Strength	35-37 KSI			(≥57,300 psi)
Elongation:	≥15%			
Minimum Bend Radii:	2T			
<b>Optical / Anodized Properties:</b>				
Total Reflectance (TR%) <sup>1</sup> :	86% minimum			<sup>1</sup> (CIE "Y")
Gardner 60° Gloss <sup>2</sup>	5-10			<sup>2</sup> (ASTM D 523 / ISO 7668)
Color <sup>3</sup> :	L* 93 to 97	a* -3 to 1	b* -1 to 3	<sup>3</sup> (CIE L* a* b*)
<b>Availability:</b> Sheet and Coil				
Gage:	0.43 to 1.01 mm	(0.017 to 0.040 inch)		
Width:	12.7 to 1282 mm	(0.50 to 50.500 inch)		
Length:	up to 3660 mm	(up to 144 inch)		
<b>Tolerances (standard):</b> (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: <sup>1</sup>	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)
		<sup>1</sup> 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)		