

Display Model Number 987: SR LED Rails Only, AR Film

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm ² /sr)
OEM Performance ¹ (No modifications)	300		5000	-	-	-	-	19.2	50,000 (min)	-	-	-	All tests performed at 25° C ambient
OEM Brightness	300	399	2500	3.05	4.05	5.2	4	13.42	118,000	-	-	-	
OEM Power	457	599	2856	4.43	5.43	6.91	4	21.98	118,000	-	-	-	
1000 Nits	1000	-	-	-	-	-	-	-	118,000	-	-	-	
50° C Rail Temperature ⁵	505	670	2405	4.71	5.71	7.3	5	50°	26.37	118,000	-	-	
Tertiary Condition	-	-	-	-	-	-	-	50	118,000	-	-	-	

Display Model Number 987-1: SR/NVIS Combo LED Rail, AR Film

Test Conditions	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)			
	Luminance ² (Nits)	Luminance ³ (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only ⁴ Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm ² /sr)	
OEM Performance ¹ (No modifications)	300		5000	-	-	-	-	19.2	50,000 (min)	-	-	-	All tests performed at 25° C ambient	
OEM Brightness	300	404	3000	3.19	4.19	4.69	4	11.52	118,000	0.180, 0.529	0.04	0.82		
OEM Power	524	694	3743	5.57	6.57	7.96	5	20.5	118,000					
1000 Nits	1000	-	-	-	-	-	-	-	118,000					
50° C Rail Temperature ⁵	652	853	3432	6.71	7.71	8.42	5	50°	28.82					118,000
Tertiary Condition	-	-	-	-	-	-	-	50	118,000					

1 Based on LCD manufacturer's published specifications for OEM configuration

2 Video controller black level and contrast set to 50/50, respectively, for optimal brightness/contrast performance

3 Video controller black level and contrast set to 100/100 (not optimal operating condition)

4 Simulates direct sunlight interaction ONLY

5 May require active and/or passive cooling to prevent LCD from overheating; speak with Application Engineer for consultation