

### Display Model Number 999: GD LED Backlight and OEM Overlay

	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance <sup>2</sup> (Nits)	Luminance <sup>3</sup> (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only <sup>4</sup> Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm <sup>2</sup> /sr)
OEM Performance <sup>1</sup> (No modifications)	300		3000	N/A	N/A	N/A	N/A	31.80	50k	-	-	-	All tests performed at 25° C ambient
OEM Performance <sup>6</sup>	312	379	2400	0.82	1.82	1.77	Class 1	-	31.80	50k	-	-	
OEM Brightness	300	369	2500	0.80	1.80	1.75	Class 1	36.60	13.02	118k	-	-	
OEM Power	618	822	3635	1.93	2.93	3.12	Class 2	51.20	31.52	118k	-	-	
1000 Nits	-	-	-	-	-	-	-	-	-	-	-	-	
50° C Rail Temperature <sup>5</sup>	618	822	3635	1.93	2.93	3.12	Class 2	51.20	31.52	118k	-	-	

### Display Model Number 999: GD LED Backlight, AR Film

	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance <sup>2</sup> (Nits)	Luminance <sup>3</sup> (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only <sup>4</sup> Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (nw/cm <sup>2</sup> /sr)
OEM Performance <sup>1</sup> (No modifications)	300		3000	N/A	N/A	N/A	N/A	31.80	50k	-	-	-	All tests performed at 25° C ambient
OEM Performance <sup>6</sup>	312	379	2400	0.82	1.82	1.77	Class 1	-	31.08	50k	-	-	
OEM Brightness	303	384	2331	0.95	1.95	1.40	Class 1	35.90	12.33	118k	-	-	
OEM Power	668	893	3340	3.01	4.01	2.93	Class 4	51.10	31.52	118k	-	-	
1000 Nits	-	-	-	-	-	-	-	-	-	-	-	-	
50° C Rail Temperature <sup>5</sup>	668	893	3340	3.01	4.01	2.93	Class 4	51.10	31.52	118k	-	-	

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  
 6 Based on actual performance measured in GDC Optical Laboratory

### Display Model Number 999: GD LED Backlight, AR & AG Film

	Dark Room Data			Sunlight Condition MIL-STD-3009				LED Backlight Data			NVIS (MIL-L-3009)		
	Luminance <sup>2</sup> (Nits)	Luminance <sup>3</sup> (Nits)	Contrast Ratio	Weber Contrast	Contrast Ratio	Direct Sunlight Only <sup>4</sup> Contrast	Display Class (0-6)	Rail Temperature °C	Power (Watts)	LED MTBF (Hours)	U', V'	Error Radius	NVIS Radiance B (mw/cm <sup>2</sup> /sr)
OEM Performance <sup>1</sup> (No modifications)	300		3000	N/A	N/A	N/A	N/A	N/A	31.80	50k	-	-	-
OEM Performance <sup>6</sup>	312	379	2400	0.82	1.82	1.77	Class 1	-	31.08	50k	-	-	-
OEM Brightness	303	369	3030	1.35	2.35	1.74	Class 1	36.60	13.02	118k	-	-	-
OEM Power	619	822	3439	4.39	5.39	2.92	Class 4	50.40	31.52	118k	-	-	-
1000 Nits	-	-	-	-	-	-	-	-	-	-	-	-	-
50° C Rail Temperature <sup>5</sup>	619	822	3439	4.39	5.39	2.92	Class 4	50.40	31.52	118k	-	-	-

 All tests performed at 25°  
 C ambient

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  
 6 Based on actual performance measured in GDC Optical Laboratory