The Sign Syndicate.com - GWH IV August 2025 Project Analysis

Started August 2025

Questions? Contact us admin@thesignsyndicate.com

MANUFACTURER	HOURS OF OPERATION	MODS USED PER CHANNEL	AVG. COST PER MODULE (BAG QTY)	***TOTAL DIODES	TOTAL WATTS PER CHANNEL	FOOT CANDLE HIGH	FOOT CANDLE LOW	CURRENT FOOT CANDLE AVG.	INITAL FC AVG. FROM START	FC LOSS vs. INITIAL FC AVG.	FC AVG. LAST PERIOD	STATUS	MODIFY DATE	FC CHANGE FROM PREVIOUS PERIOD	MODULE CATEGORY	FOOT CANDLES PER WATT	FOOT CANDLES PER WATT CATEGORY RANKING
UNITED LED (G2G) 12V .8W 7500K		4 MODS	$0.66	8	3.2	289	276	282.5	0		0		Added 8/25		A	88.28	3
UNITED LED (G2G) 12V 1.2W 7500K		3 MODS	$0.81	6	3.6	339	321	330	0		0		Added 8/25		C	91.67	2
PRINCIPAL SLOAN PRISM 12V .92W 6500K		3 MODS		9	2.76	235	225	230	0		0		Added 8/25		B	83.33	2
EVERYLITE REBEL 12V .96W 6500K		4 MODS	$0.83	8	3.84	354	347	350.5			0		Added 8/25		A	91.28	2
											0						
PRINCIPAL HANLEY ONE MOD 24V .95W 7000K		4 MODS	$0.61	8	3.8	322	316	319	0		0		Added 8/25		A	83.95	4
PRINCIPAL QWIK MOD II 12V .8W 7100K		4 MODS	$0.91	8	3.2	230	223	226.5	0		0		Added 8/25		A	70.78	6
TBA 7100K 12V .96W		3 MODS	$1.48	9	2.88	230	220	225			0		Added 8/25		B	78.13	4
TBA 7100K 12V .6W		4 MODS	$1.10	8	2.4	186	179	182.5			0		Added 8/25		A	76.04	5
					0	0	0	0	0		0						
					0												
PRINCIPAL QWIK MOD 2 RED .12V. .8W. RED		4 MODS	$1.19	8	3.2	39	37	38	0		0		Added 8/25		AR	11.88	3
TBA 7100K 24V 1.2W		3 MODS	$1.79	12	3.6	293	283	288					Added 8/25		C	80.00	3
					0												
BRIGHTON SUNFIRE 24V 2.44W 6500K		3 MODS	$3.25	18	7.32	542	524	533	0		0		Added 8/25		D	72.81	
BRIGHTON IV 24V 1.6W 6500K		3 MODS	$1.63	12	4.8	483	462	472.5	0		0		Added 8/25		C	98.44	1
BRIHGTON II 24V .8W 6500K		4 MODS	$0.82	8	3.2	341	331	336	0		0		Added 8/25		A	105.00	1
						0	0	0	0		0						
						0	0	0	0		0						
						0	0	0	0		0						
BRIGHTON LIGHTNING 12V .68W 6500K		5 MODS	$0.90	0	0	0	0	0	0		0					0.00	
BRIGHTON III 12V 1.2W 6500K		3 MODS	$1.08	12	3.6	369	355	362	0		0		Added 8/25		B	100.56	1
BRIGHTON LIGHTNING 12V .72W RUBY RED		5 MODS	$1.16	15	3.6	102	97	99.5	0		0		Added 8/25		AR	27.64	1
BRIGHTON II 24V .8W RUBY RED		4 MODS	$1.06	8	3.2	81	78	79.5	0		0		Added 8/25		AR	24.84	2
		0		0	0	0	0	0			0						
		0		0	0	0	0	0	0		0						

AMBIENT TEMPERATURE: 74˚F | 08/19/25 12PM 0hrs

* This figure reflects the annual consumption rate it would cost a client to run the sign 10 hours in a 365 day period.

Formula: Watts x 15 x 10 hrs. x 365 days x $.095 / 1050 (HPF)

***Total cost for Neon lamp or LED modules only, wholesale.

Sign Years - Operate Hours / 10 Hrs / 365 days =

Channel Compartment Size - 2"W x 4.25"H x 5"D

Great White Hope Project Standards

HOURS OF OPERATION - Number of operating hours this product has been used in the test. Each product is cycled twice per day i.e. on 10 hours, off 2, turned on 10 hours off 2 in a 24 hour period

MODS USED - Number of LED modules used for that test compartment of that product

AVERAGE COST PER MODULE - The cost at a wholesale price per module based on bag quantity

TOTAL DIODES - The total number of diodes per compartment

TOTAL WATTS PER CHANNEL - Compartment module quantity x wattage of each module

FOOT CANDLE MEASURING-----
For The Great White Hope Project we measure a small surface area on the face of each acrylic lens in the same area that is 6" x 7". We take the high and low measurement by light meter of each lens surface in Foot Candles and average them out. Example FC High reading of 216 + FC Low Reading of 210 = 426 / 2 = 213 FC AVG

FOOT CANDLE HIGH - The highest light surface measurement taken on the acrylic lens

FOOT CANDLES LOW - The highest lowest surface measurement taken on the acrylic lens

CURRENT FOOT CANDLE AVG - The average between the high and low light measurements on the acrylic lens surface

INITIAL FC FROM START - This is the initial recorded light measurements for that compartment when the product entered into the project comparison

FC LOSS VS INITIAL FC - See Chart 1
The current light measurement difference from the the initial light measurements from project start

STATUS - Whether the product is active or inactive in the comparison

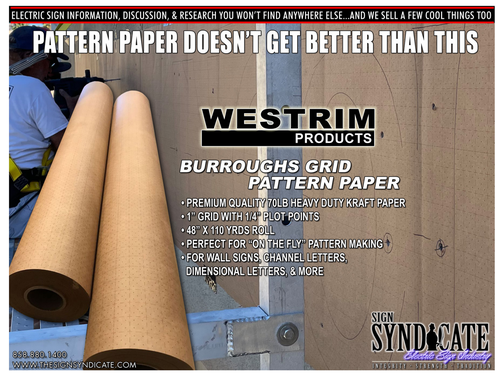
MODIFY DATE - The date when the product was activated or deactivated from testing

FC CHANGE FROM PREVIOUS PERIOD - See Chart 3
The current light measurements vs the measurements from the previous evaluation

TBA- Future use

FOOT CANDLES PER WATT - LED Chip Quality Efficiency - See Chart 2 Below
This displays the efficiency of each LED Module, light per power. The measurement of the surface foot candles per watt, Current Foot Candle AVG / Compartment Watts =
The Higher the better

FOOT CANDLES PER WATT CATEGORY RANKING - Ranking of best module per category
A Modules - Channel Letter Modules .6w to 1w
B Modules - Large Channel Letters & Cabinet Modules 3Diode 1W to 2W
C Modules - Cabinet Lighting Modules 4Diode 1.2W to 3W
D Modules - Deep Double Sided Sign Cabinets, Narrow Angle Optic LEDs
AR Modules - Red Channel Letter Modules .5W to 1W



HRS LAST PERIOD	HRS THIS PERIOD	TOTAL OPERATION HOURS
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
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Chart 1. Surface Foot Candle Avg. vs. Initial FC Reading

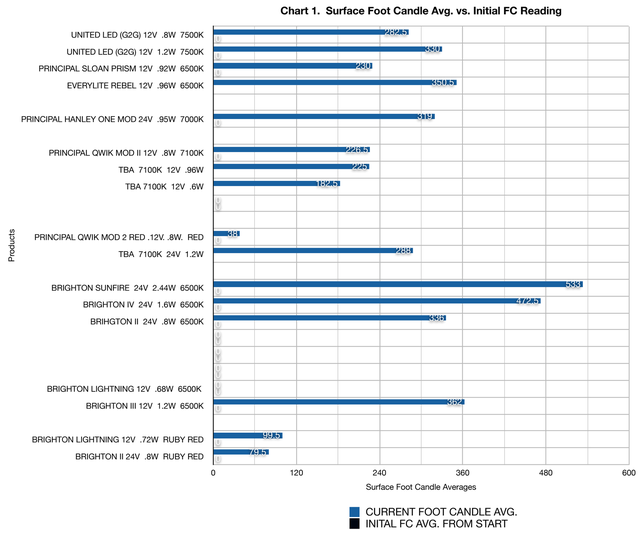


Chart 2. Foot Candles per Watt

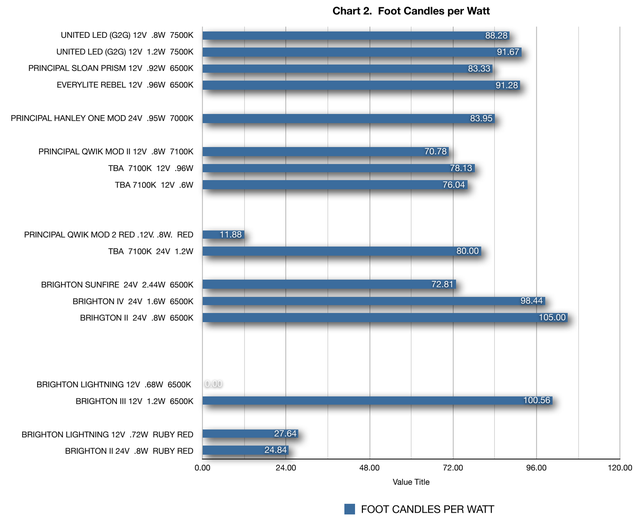
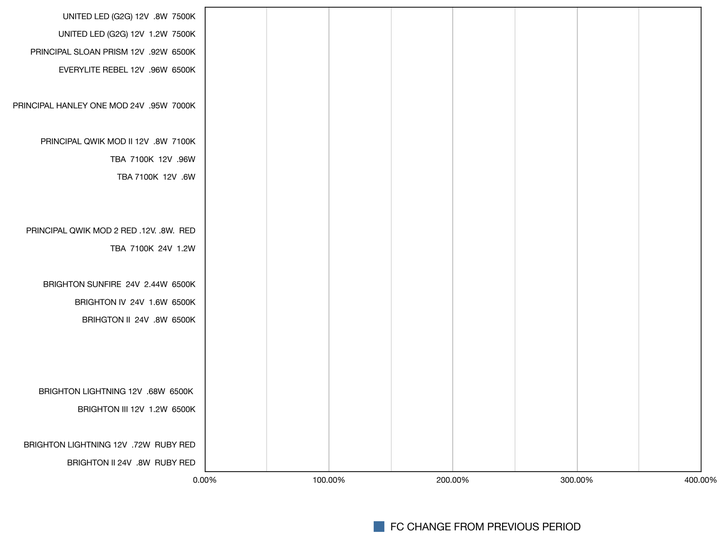


Chart 3. Lumen Maintenance From Last Period (Less or negative is better)



PRODUCT	Aug 25										
AMBIENT TEMPERATURE	74F										

PRODUCT	Aug 25										
UNITED LED (G2G) 12V .8W 7500K	282.5										
UNITED LED (G2G) 12V 1.2W 7500K	330										
PRINCIPAL SLOAN PRISM 12V .92W 6500K	230										
EVERYLITE REBEL 12V .96W 6500K	350.5										
PRINCIPAL HANLEY ONE MOD 24V .95W 7000K	319										
PRINCIPAL QWIK MOD II 12V .8W 7100K	226.5										
TBA	225										
TBA	182.5										
	0										
PRINCIPAL QWIK MOD 2 RED .12V. .8W. RED	38										
TBA	288										
BRIGHTON SUNFIRE 24V 2.44W 6500K	533										
BRIGHTON IV 12V 1.2W 6500K	472.5										
BRIHGTON II 24V .8W 6500K	336										
	0										
	0										
	0										
BRIGHTON LIGHTNING 12V .68W 6500K	0										
BRIGHTON III 12V 1.2W 6500K	362										
BRIGHTON LIGHTNING 12V .72W RUBY RED	99.5										
BRIGHTON II 24V .8W RUBY RED	79.5										
	0										
	0										
RETIRED											

Surface Foot Candle Averages Over Project Span

Chart 17