



Customer Name	Date
Project Name	
Catalog Number	

Hydro Series

32 RGBW



The Hydro RGBW series by Forum is a robust linear luminaire, capable of withstanding the harshest of environments. The housing is constructed from aircraft grade aluminum with exterior grade powder coat finish and sports a premium fit and finish. The optical compartment is weather sealed behind a tempered glass lens and a masked perimeter creates a refined aesthetic without compromising the IP66 rating. Hydro is available in a variety of optical and mounting configurations, including RGBW and Tunable White. Current's patented TriGain[®] phosphor delivers 90 CRI color quality at 80 CRI efficacy.

Ordering

HYD — 32 — RGBW — **LED** — — — — — — — — — —

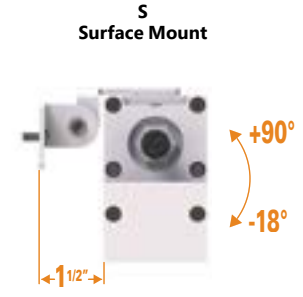
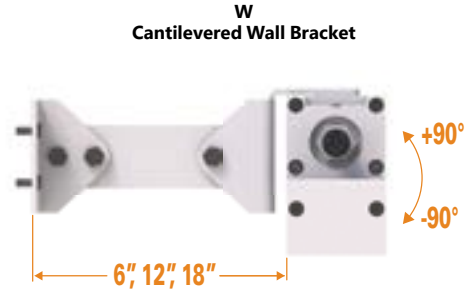
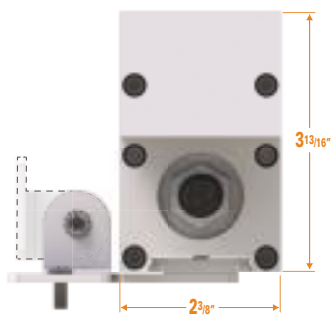
OUTPUT	OPTICS	MOUNTING	LENGTH	VOLTAGE	FINISH	OPTION 1	OPTION 2	OPTION 3
CCT	SAT Satin lens	W Cantilevered Wall Brackets* 6" / 12" / 18"	2 2'-13/16"	120V	WH White	F Fusing		B Baffle
30 3000k temp 95.2%	10 10 Deg.	S Surface Mount Spec. wall bracket length	3 3'-13/16"	277V	SV Silver	90 CRI 90 CRI		
	30 30 Deg.		4 4'-13/16"	UNV Universal	BK Black	DIMMING OPTIONS (CHOOSE 1)		
	60 60 Deg.		Spec. run length:			CC Custom Color Provide custom color RAL#:	DALI Digitally Addressable Lighting Interface	DMX DMX 512
	90 90 Deg.							
	ASY Asymmetric		Individual units cannot be joined in field to create runs.					

- 1 60 option available with 40 Fixture Length only
- 2 90 option available with 60 Fixture Length only
- 3 A2 option available with 80 Fixture Length only
- 4 10ft aircraft cables with grippers and hourglass sleeves pre-installed. Canopy kits ordered separately
- 5 G2 option available with 60 Fixture Length and 90 Lumen Output options only
- 6 10ft Power cord included. 300V 18AWG, 5-Conductor wire
- 7 Power cord not required for G2 mounting option

DIMMING OPTIONS

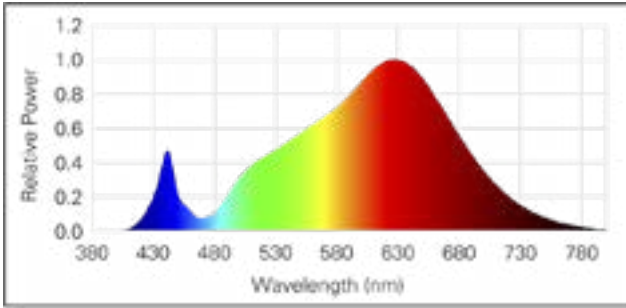
Ordering Code	Description
DALI	Digitally Addressable Lighting Interface
DMX	DMZ 512

DRAWINGS

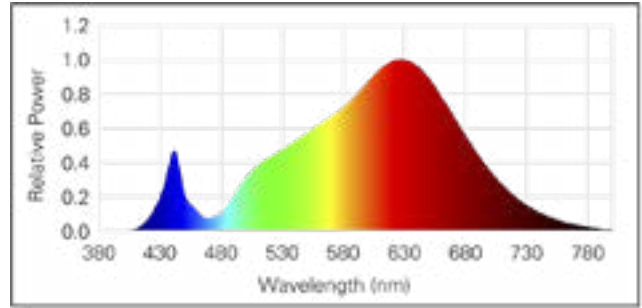


Spectral Power Distribution, White

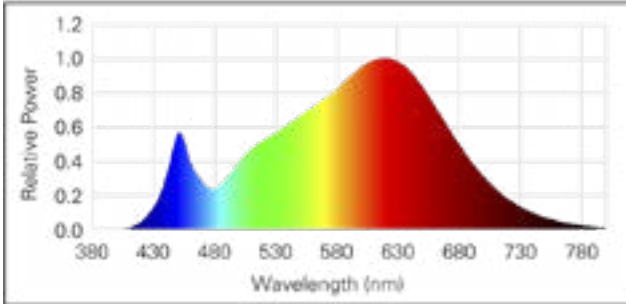
2700K 3-STEP



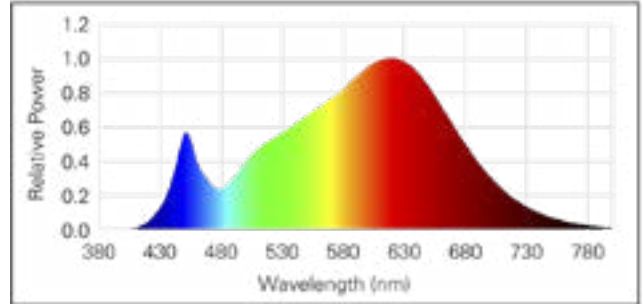
4000K 3-STEP



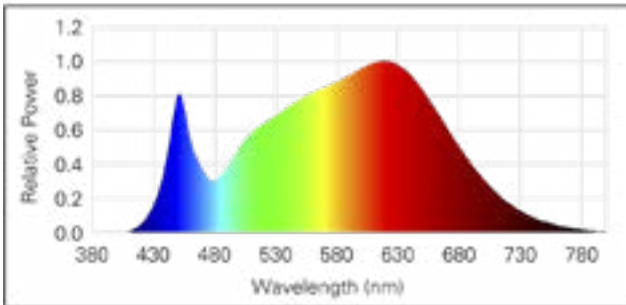
3000K 3-STEP



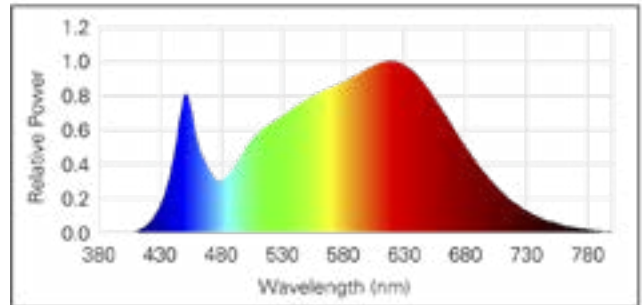
5000K 3-STEP



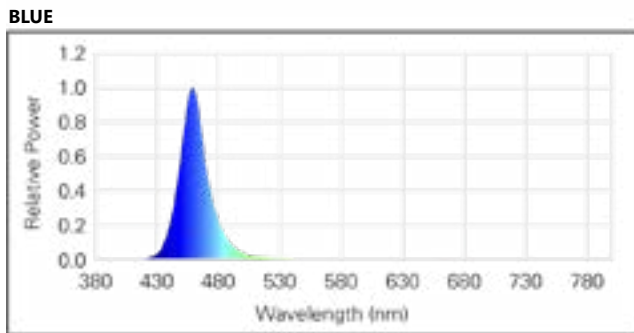
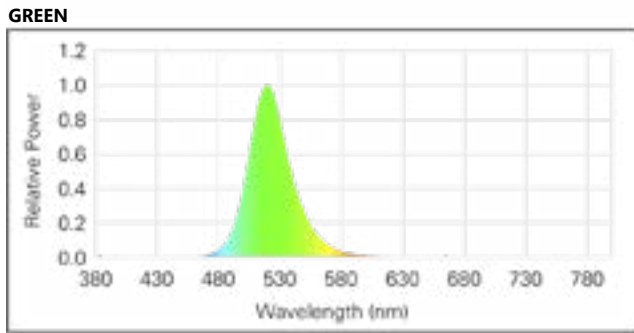
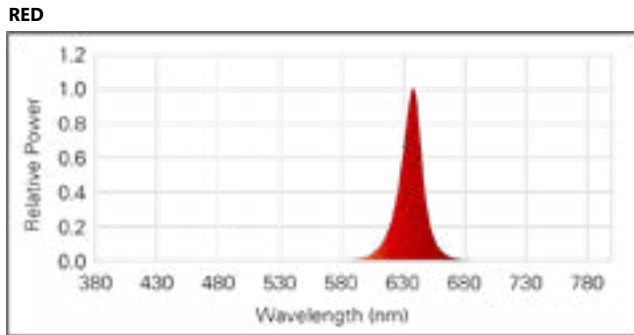
3500K 3-STEP



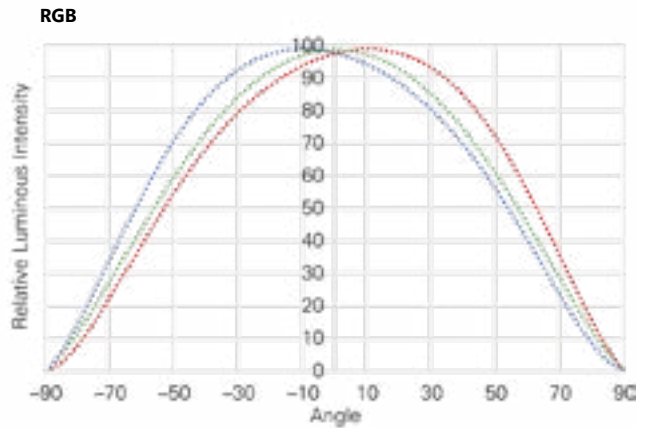
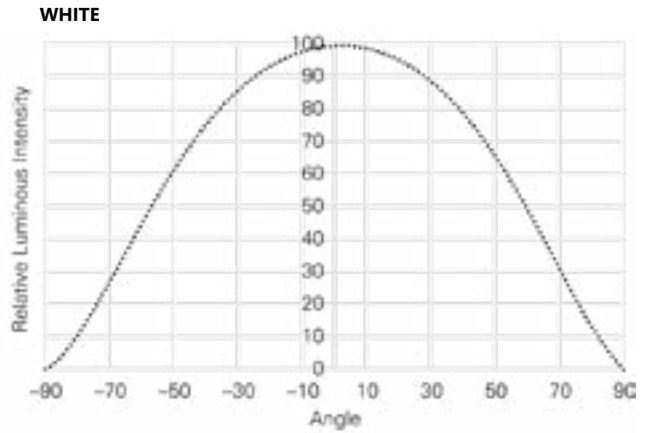
6500K 3-STEP



Spectral Power Distribution, RGB



Beam Angle



Electrical Characteristics

WHITE					
Current (mA)	100	250	350	500	640
Voltage (V)	24.21	25.09	25.55	26.14	26.72
Flux (lm)	378	928.8	1274.4	1746	2120

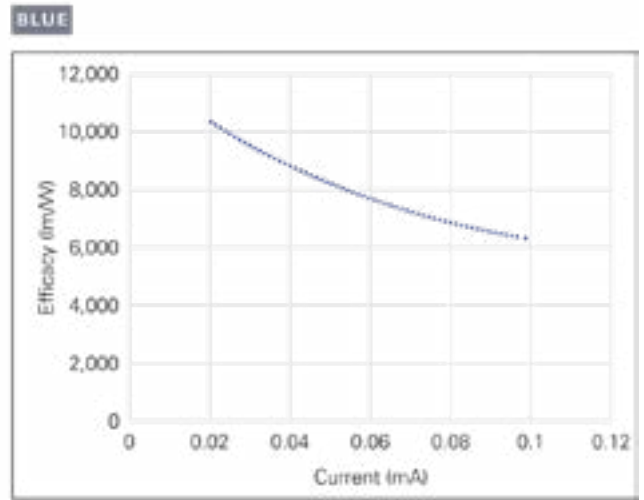
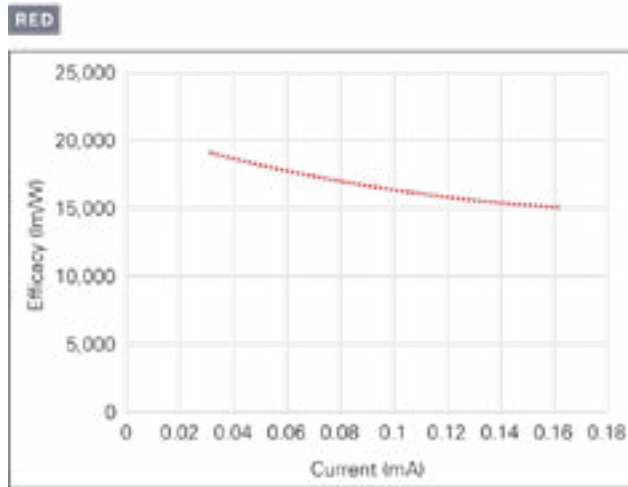
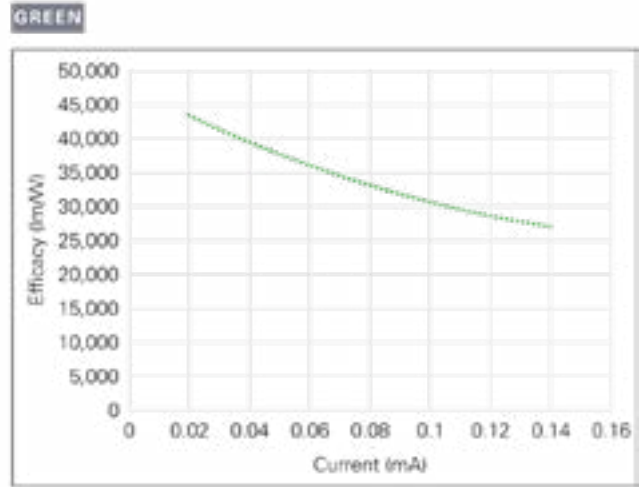
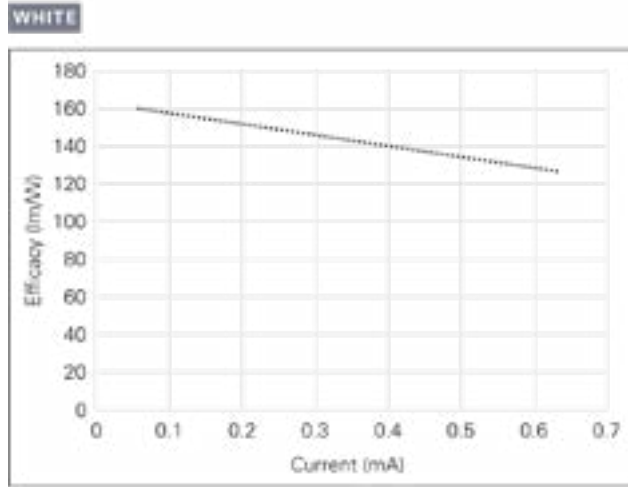
RED					
Current (mA)	40	90	120	160	
Voltage (V)	18	20.25	21.375	23.85	
Radiant Flux (mcd)	13500	31050	40500	54000	

Assuming 35k 90 CRI, 25°C

GREEN				
Current (mA)	40	90	120	140
Voltage (V)	27.9	28.98	29.7	30.375
Radiant Flux (mcd)	45360	88200	101304	117180

BLUE			
Current (mA)	40	90	100
Voltage (V)	25.875	29.7	30.375
Radiant Flux (mcd)	9720	18720	19440

EFFICACY VS. CURRENT

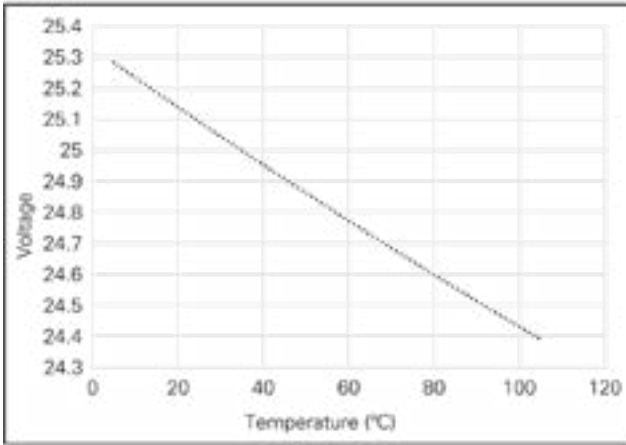


Derating

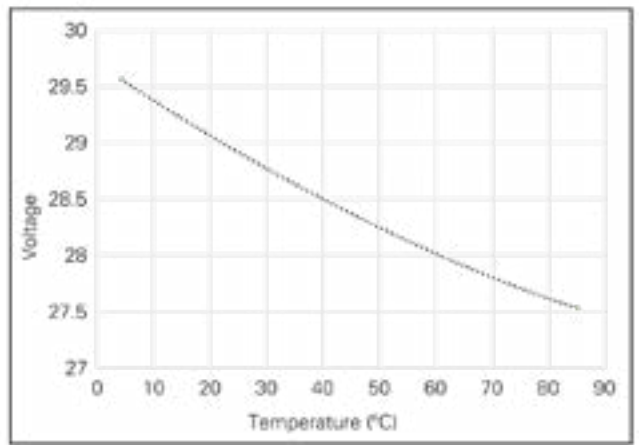
COLOR TEMPERATURE	LIGHT OUTPUT
2700K	97%
3000K	100%
3500K	106%
4000K	111%
5000K	111%
6000K	107%

VOLTAGE VS. TEMPERATURE

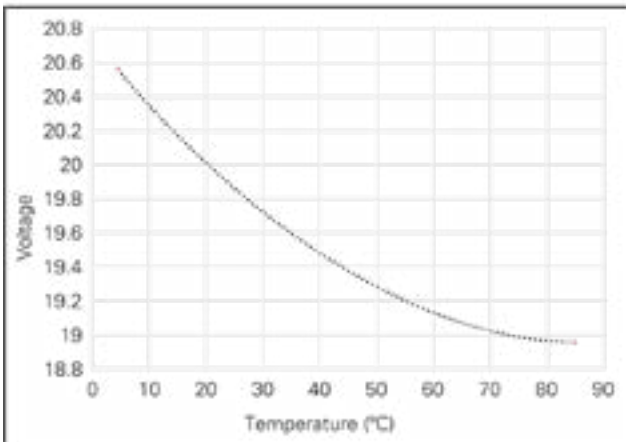
WHITE



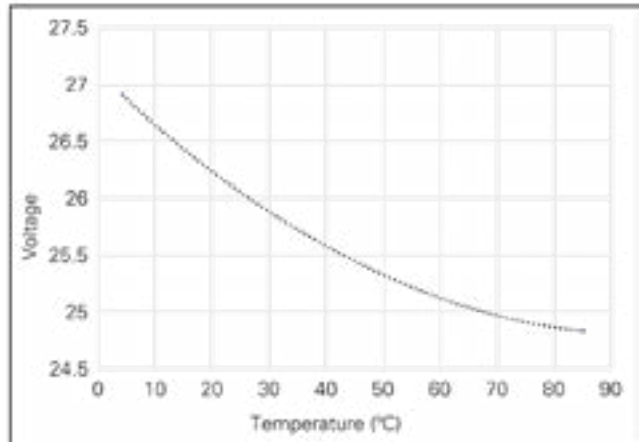
GREEN



RED

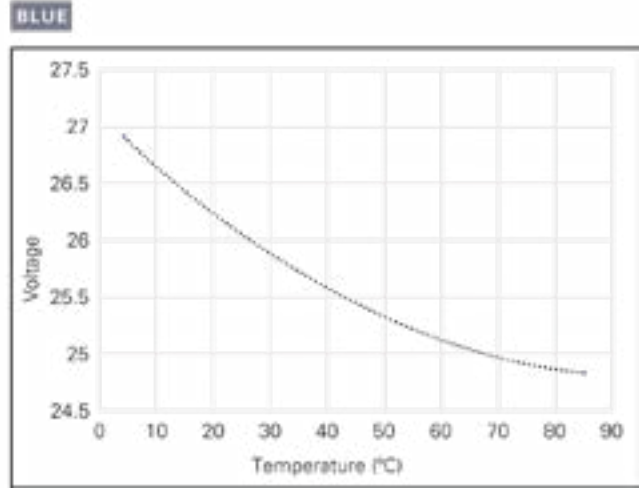
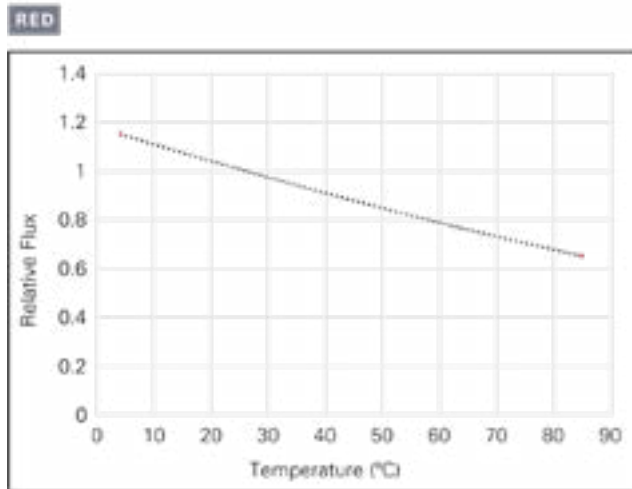
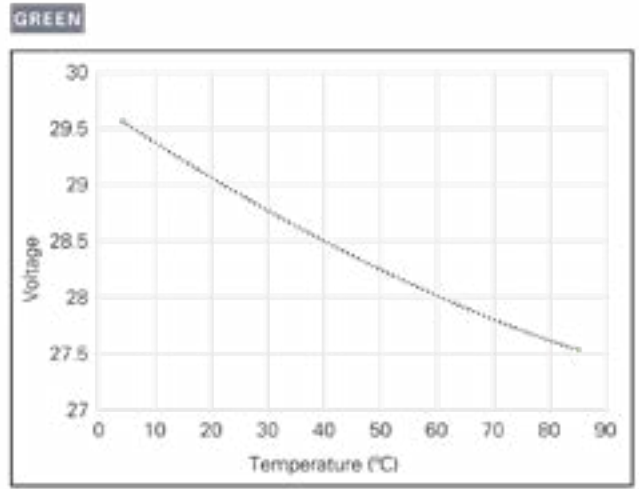
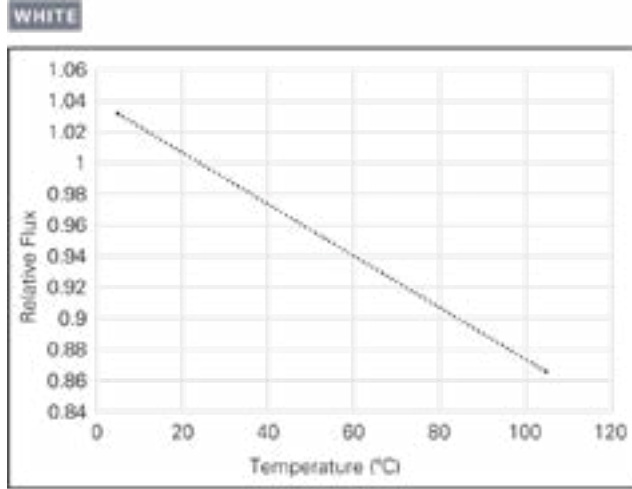


BLUE



Derating

FLUX VS. TEMPERATURE



CONSTRUCTION

Housing:	Extruded aluminum, machined endcaps
Lens:	Tempered glass with optional satin frosted and Asymmetric lenses
Optical Assembly:	.040" aluminum in a pre-paint white finish
Paint:	Black, White, Silver, Custom Color

OPTICAL SYSTEM

Lumens:	650-1100 lm/ft
Distribution:	10, 30, 60, 90, Asymmetric, Lambertian
Wattage:	6.8 - 11.6 watts/ft
CCT:	3000K
CRI (Min):	TriGain® 90CRI

ELECTRICAL

Input Voltage:	120V, 277V, Universal Voltage
Input Frequency:	50/60Hz
Power Factor (PF):	>0.9
Total Harmonic Distortion (THD):	<16% - 120V <20% - 277V
Temperature / Humidity:	Suitable for Wet Locations + IP66
Transient Protection:	All Non-Lutron = 2.5KV Lutron = 4KV

CONTROLS

Dimming:	Digitally Addressable Lighting Interface; DMX 512
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LUMEN MAINTENANCE

- L70>50K Hours

MOUNTING

- W - Cantilevered wall brackets
- S - Surface Mount wall brackets

RATINGS

- IP66 Wet Rated

DESIGN LIFE & WARRANTY

- Warranty:**
- LED boards - 5 years
 - LED drivers (standard) - 5 years
 - LED drivers (Lutron) - 3 years



For Product or Technical Questions:

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T: +1 412 781 5970