FORUM

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.
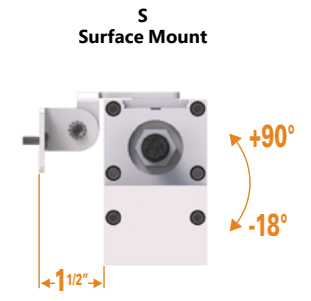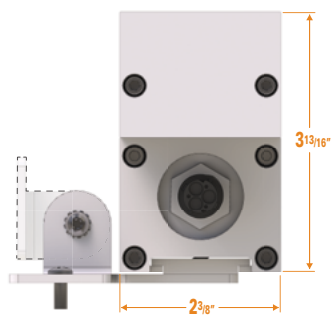
Ordering

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

OUTPUT	OPTICS	MOUNTING	LENGTH	VOLTAGE	FINISH	OPTION 1	OPTION 2	OPTION 3
CCT								
30 3000k temp **95.2%**	**SAT** Satin lens	**W** Cantilevered Wall Brackets* 6" / 12" / 18"	**2** 2'-1 3/16"	**120V**	**WH** White	**F** Fusing		**B** Baffle
	10 10 Deg.	**S** Surface Mount	**3** 3'-1 3/16"	**277V**	**SV** Silver	**90 CRI** 90 CRI		
	30 30 Deg.	Spec. wall bracket length	**4** 4'-1 3/16"	**UNV** Universal	**BK** Black	DIMMING OPTIONS (CHOOSE 1)		
	60 60 Deg.		Spec. run length:		**CC** Custom Color	**DALI** Digitally Addressable Lighting Interface		**DMX** DMX 512
	90 90 Deg.		Standard run length in even foot increments.		Provide custom color RAL#:			
	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
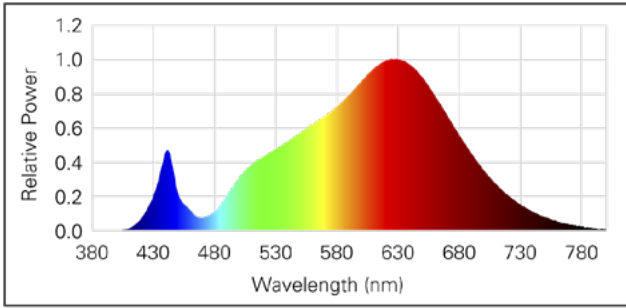**7** Power cord not required for G2 mounting option

Hydro Series
32 RGBW

Customer Name		Date
Project Name		
Catalog Number		

forumlighting.com

DIMMING OPTIONS

Ordering Code	Description
DALI	Digitally Addressable Lighting Interface
DMX	DMZ 512

DRAWINGS

$3^{13}/_{16}"$

$2^{3}/_{8}"$

W
Cantilevered Wall Bracket

+90°

-90°

6", 12", 18"

S
Surface Mount

+90°

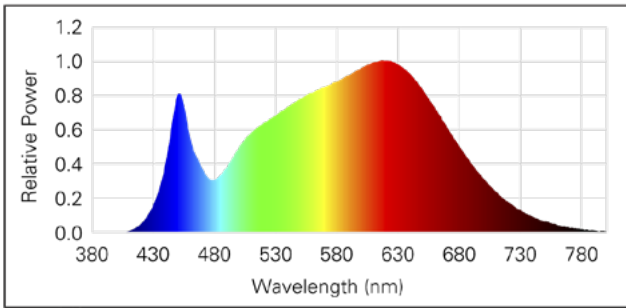-18°

$1^{1}/_{2}"$

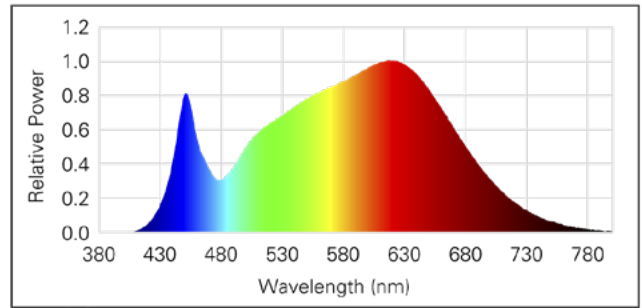## *Spectral Power Distribution, White*
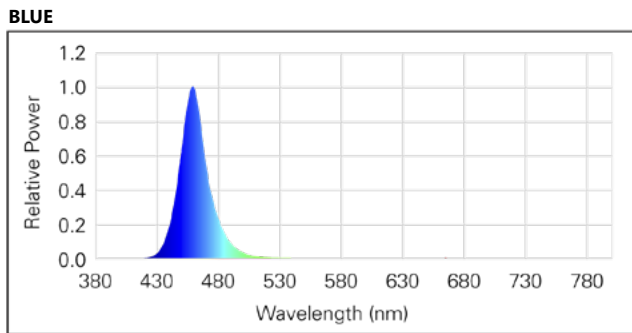
2700K 3-STEP

4000K 3-STEP
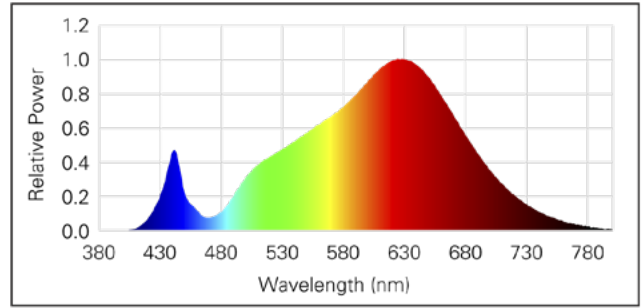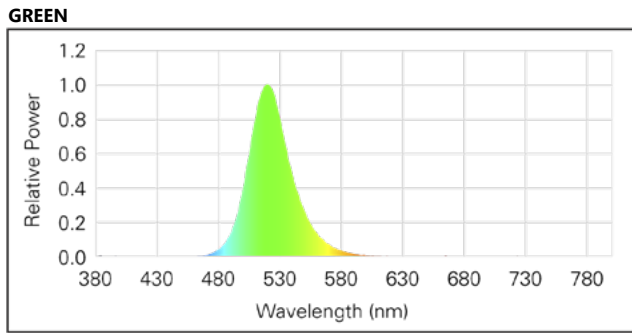

3000K 3-STEP
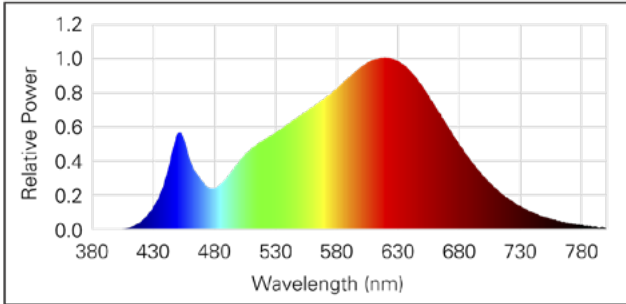
5000K 3-STEP
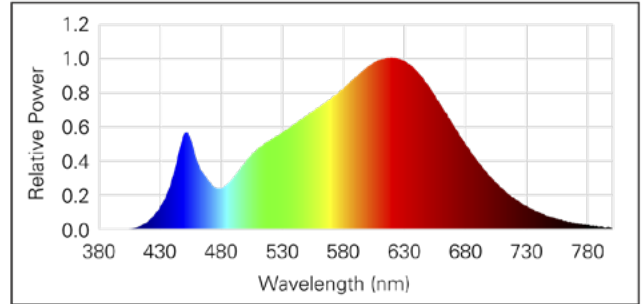
3500K 3-STEP

6500K 3-STEP

Spectral Power Distribution, RGB

Beam Angle

RED

GREEN

BLUE

WHITE

RGB

FOR_HydroRGBW_spec_IND741_R02
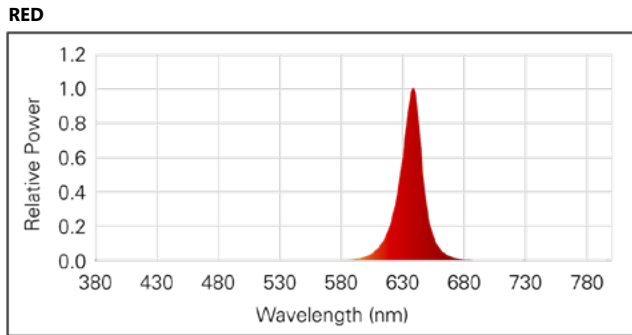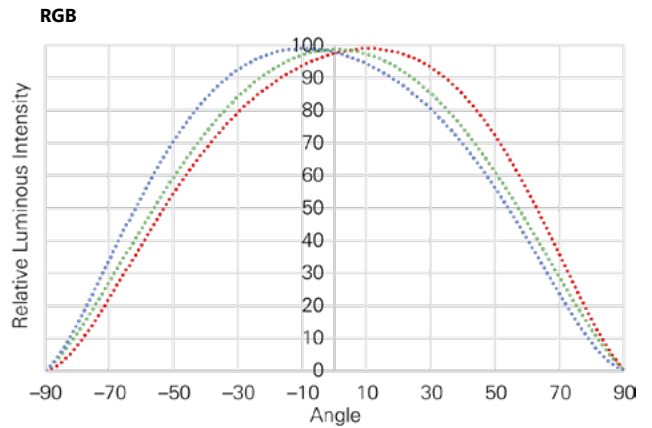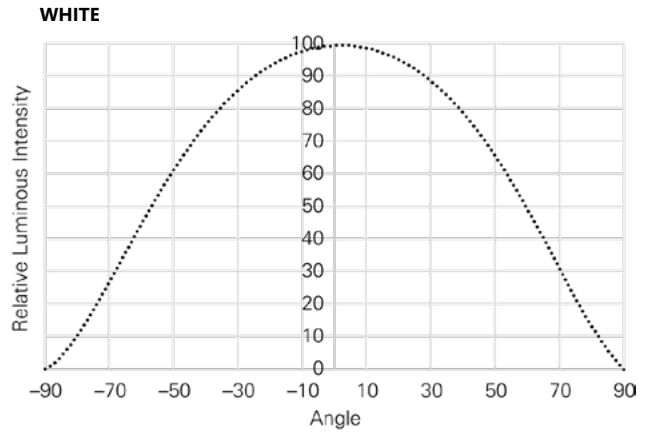
Electrical Characteristics

Assuming 35k 90 CRI, 25°C

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

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

WHITE

GREEN

RED

BLUE

FOR_HydroRGBW_spec_IND741_R02
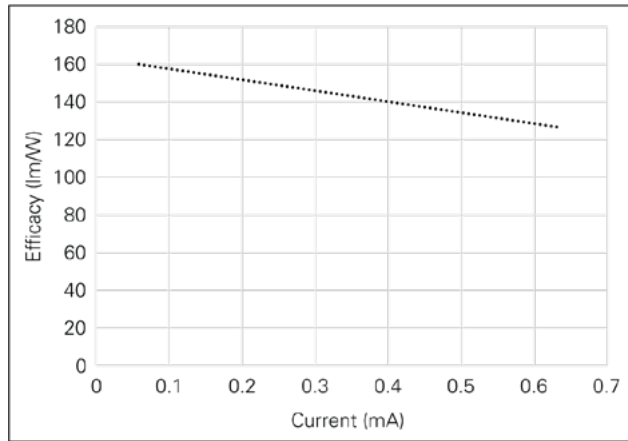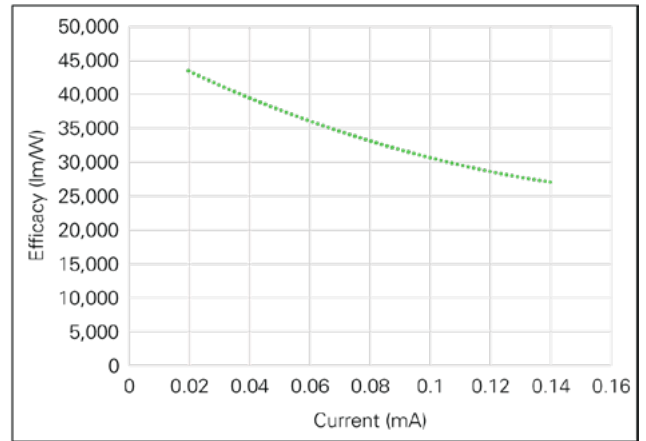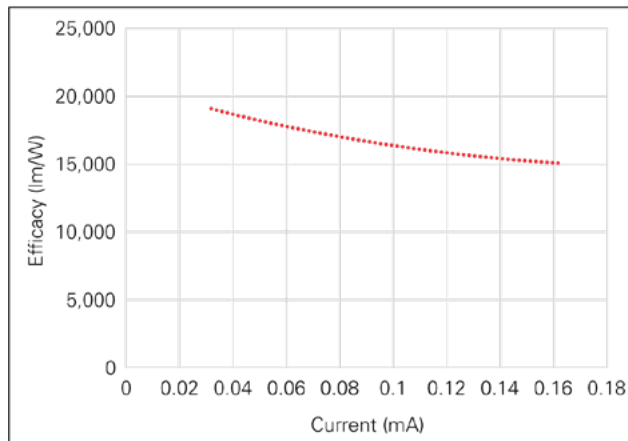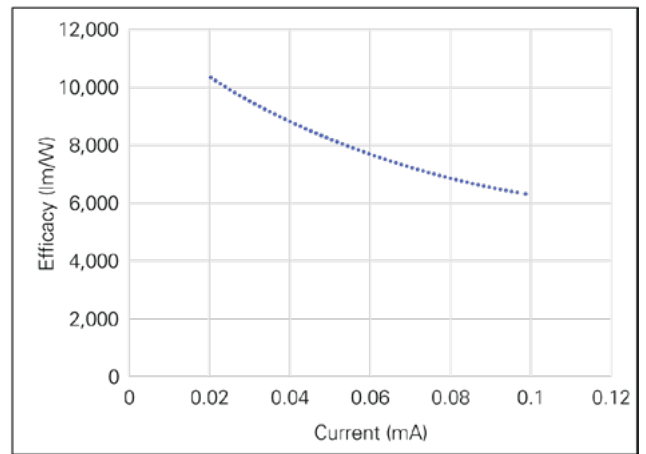
Derating

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

VOLTAGE VS. TEMPERATURE

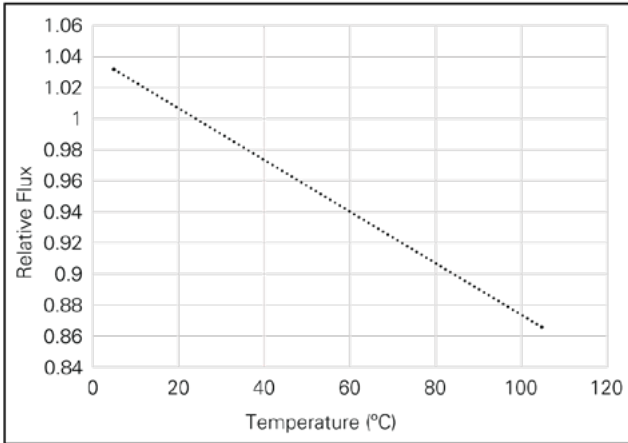### WHITE

GREEN

RED

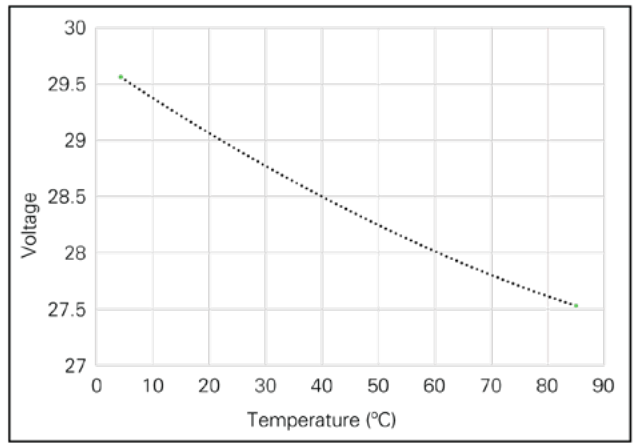### BLUE

FOR_HydroRGBW_spec_IND741_R02
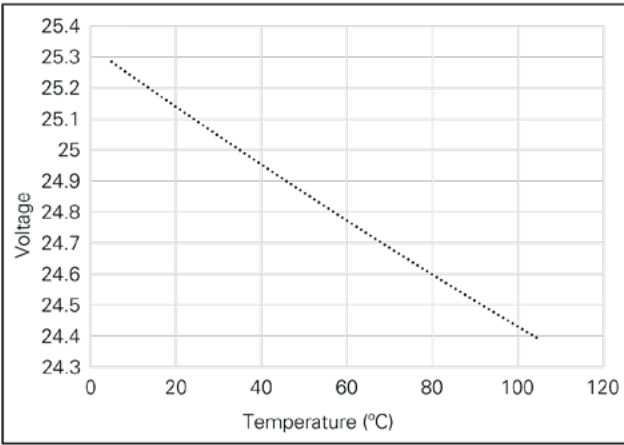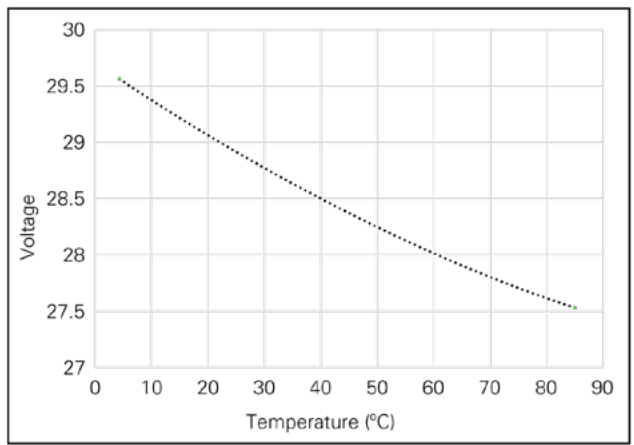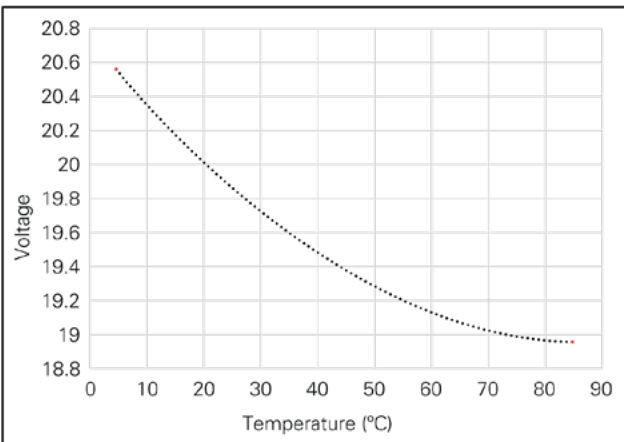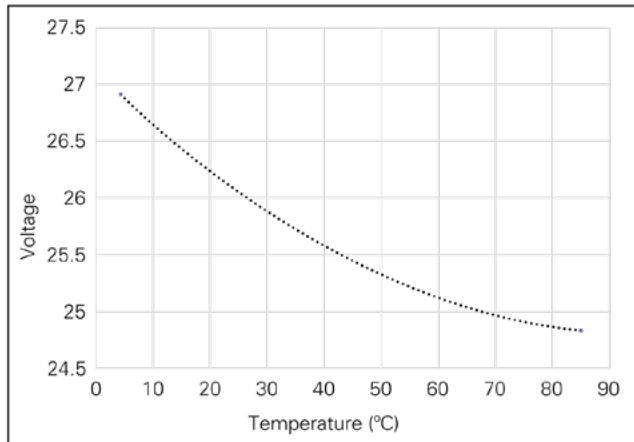
Derating

FLUX VS. TEMPERATURE

WHITE

GREEN

RED

BLUE

FOR_HydroRGBW_spec_IND741_R02

Customer Name		Date	
Project Name			
Catalog Number			
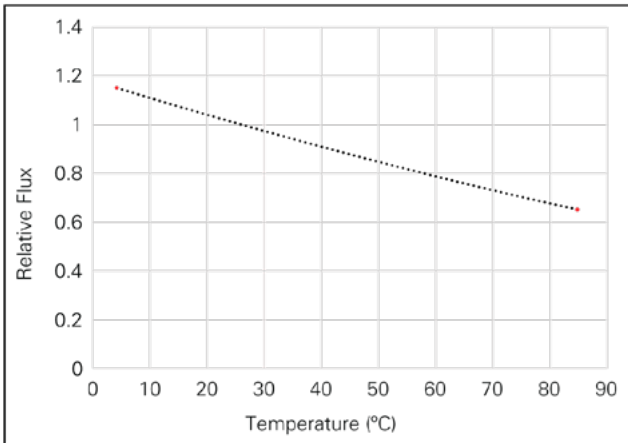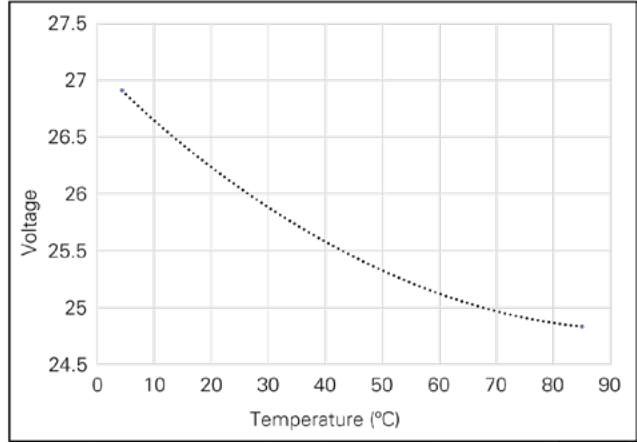
CONSTRUCTION

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, Asymetric, 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

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

TriGain®
technology

For Product or Technical Questions: E: INFO@FORUMLIGHTING.COM
T: +1 412 781 5970

Current

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