Aquas Series
22 RGBW

The Aquas RGBW series by Forum is a line of color-selectable extruded aluminum rectilinear luminaires approved for wet location, allowing for design consistency throughout wet and dry locations. Aquas features standard aperture sizes of 2, 3, 4, and 6". Multiple mounting configurations are available including rigid stem, surface as well as wall mounted. Aquas is available in Black, White, Silver, and custom colors and features a premium design, fit and finish.

Ordering

AQD — 22 — RGBW — __ — __ — __ — __ — __ — __ — __ — __

PROFILE	OUTPUT	CCT	SHIELDING	MOUNTING	LENGTH		VOLTAGE	FINISH	OPTION 1	OPTION 2
22 2" square	**CCT**		**WOL** White Opal Lens	**H** Stem Mount *	**2** 2'	**3** 3'	**120V**	**WH** White	**F** Fusing	**SW** Separate Switch
	27 2700k temp Special order option			**S** Surface Mount	**4** 4'	**5** 5'	**277V**	**SV** Silver	**EC** Emergency Circuit	
	30 3000k temp			**W** Wall Bracket Mount	**6** 6'	**7** 7'	**UNV** Universal	**BK** Black	**DIMMING OPTIONS (CHOOSE 1)**	
	35 3500k temp Special order option			* Spec. stem length:	**8** 8'			**CC** Custom Color	**DALI** Digitally Addressable Lighting Interface	**DMX** DMX 512
	40 4000k temp Special order option				Spec. run length:			Provide custom color RAL#:	**CONTROLS OPTIONS (CHOOSE 1)**	
	50 5000k temp Special order option				Standard run length in even foot increments. Individual units cannot be joined in field to create runs.				**LLXL** Luton-Limelight wireless, external. 8-15ft AFF	**LLXM** Luton-Limelight wireless, external. >15-30ft AFF
									LLXH Luton-Limelight wireless, external. >30-40ft AFF	

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 gripples 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 Powercord not required for G2 mounting option

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CONTROLS & SENSORS

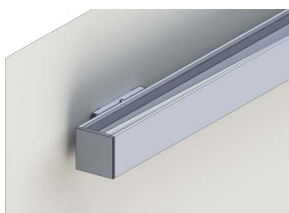| Ordering Code	Description
LLXL	Luton-Limelight wireless, external. 8-15ft AFF
LLXM	Luton-Limelight wireless, external. >15-30ft AFF
LLXH	Luton-Limelight wireless, external. >30-40ft AFF

DIMMING OPTIONS

Ordering Code	Description
DALI	Digitally Addressable Lighting Interface
DMX	DMX 512

MOUNTING
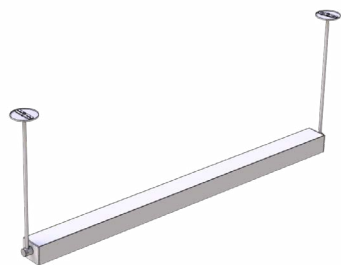
H
Stem Mount

W
Wall Bracket Mount

S
Surface Mount
(available in AQD only)

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Components and Assembly

JOINING HARDWARE
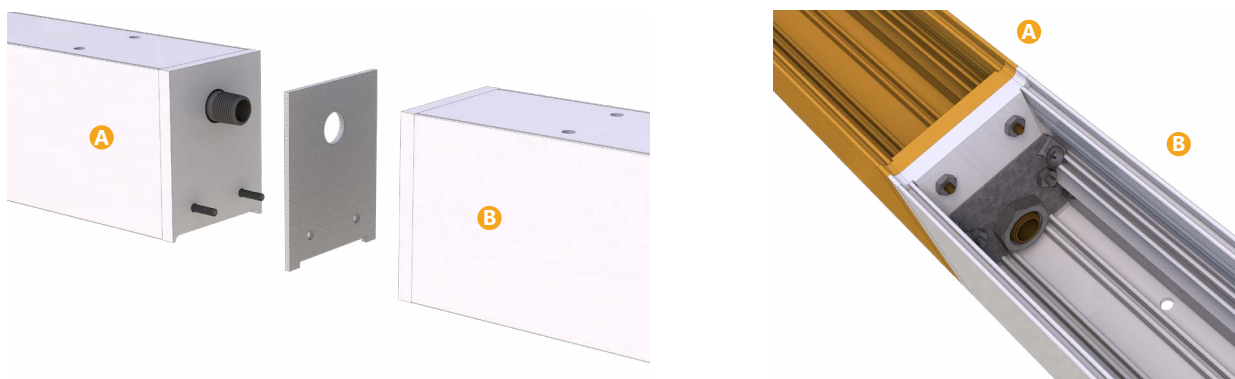
Shielding Options

LENS DETAIL

Satin frosted, white opal, and clear acrylic lenses are snap in.
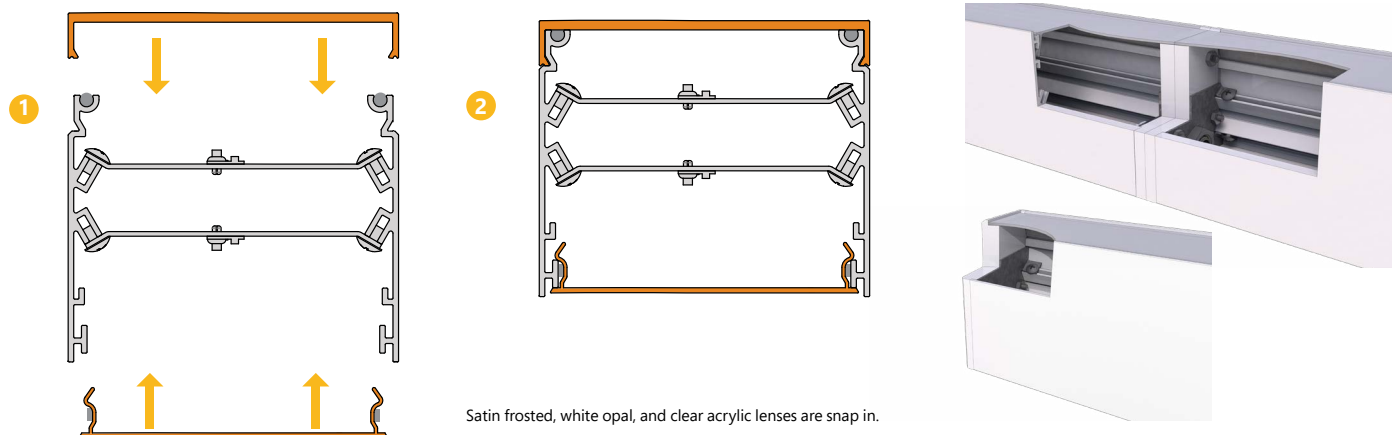
Drawings

PROFILE DRAWINGS

AQUAS22 RGBW

2 3/16"

2"

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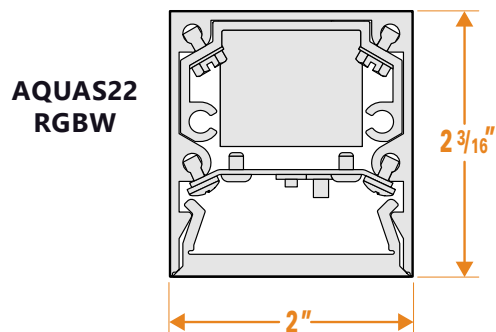
Spectral Power Distribution, White

2700K 3-STEP
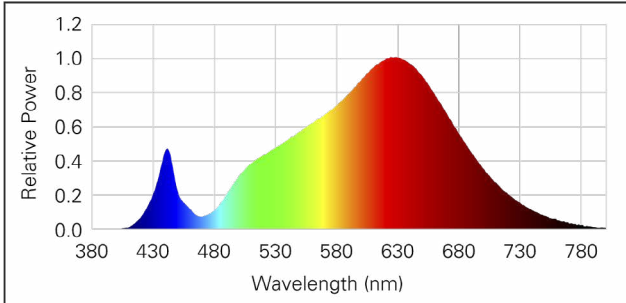
4000K 3-STEP
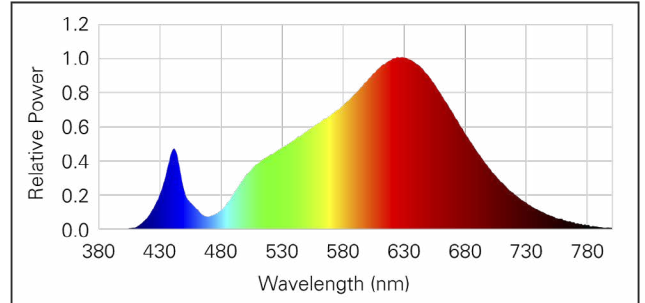
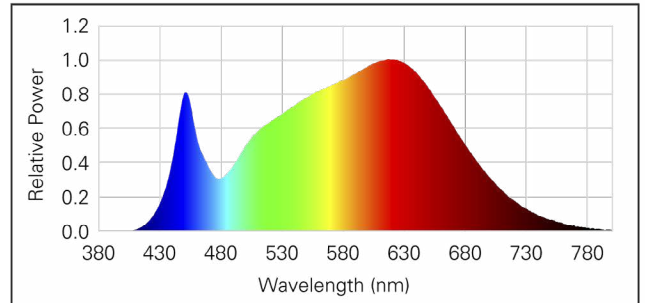**3000K 3-STEP**
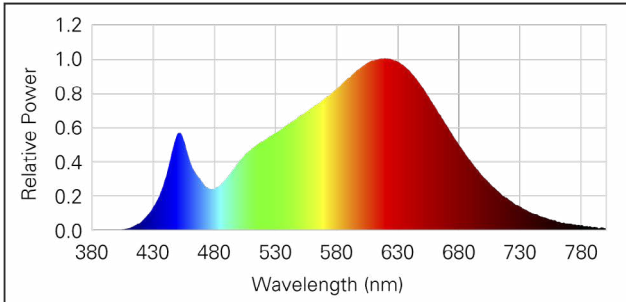
5000K 3-STEP
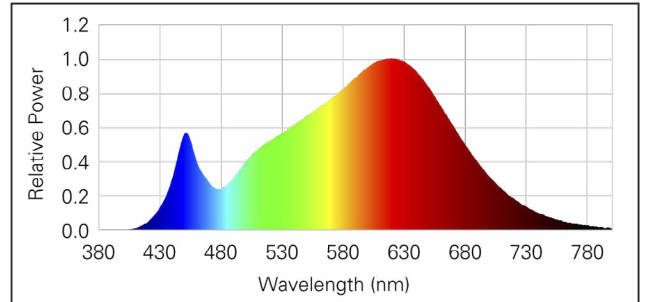
3500K 3-STEP
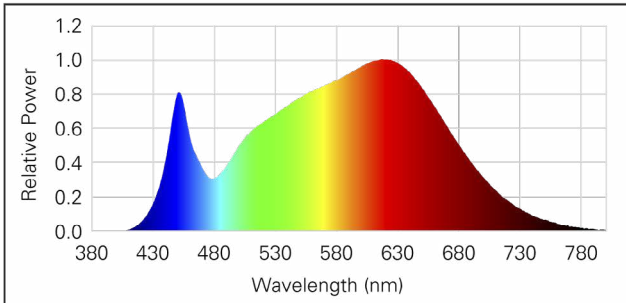
6500K 3-STEP

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Spectral Power Distribution, RGB

Beam Angle

RED

GREEN

BLUE

WHITE

RGB

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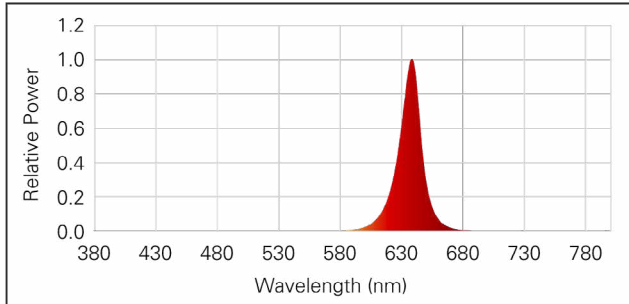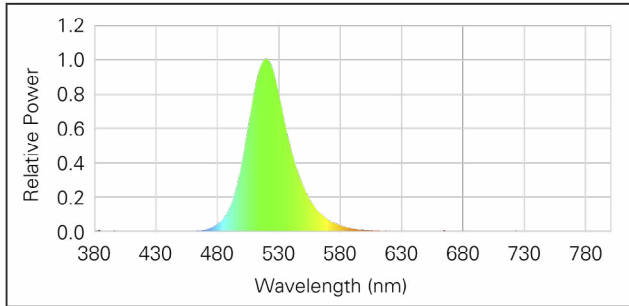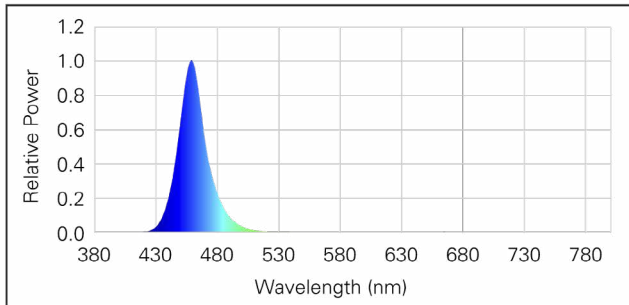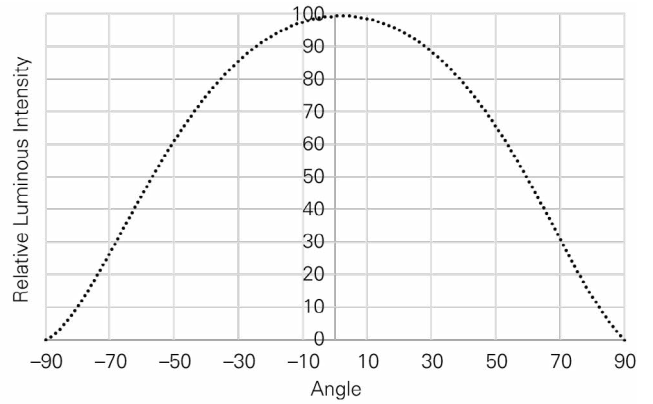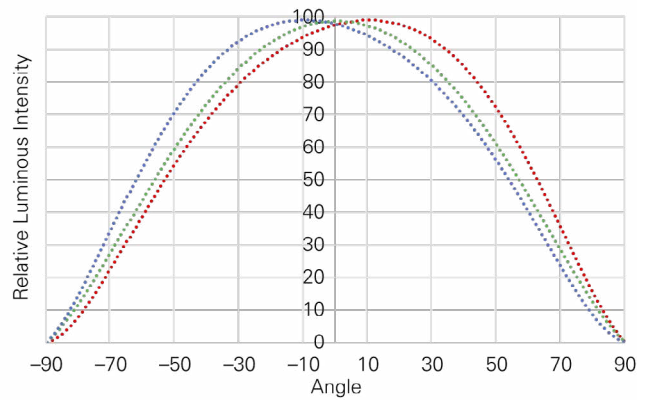
Electrical Characteristics

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

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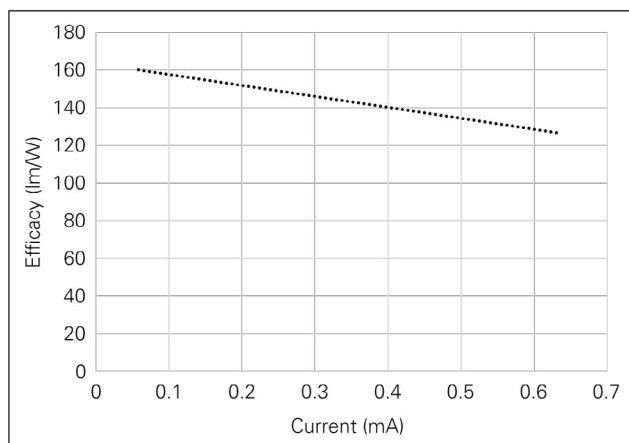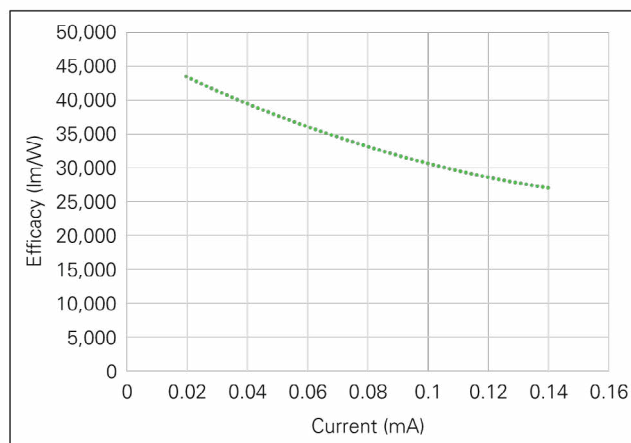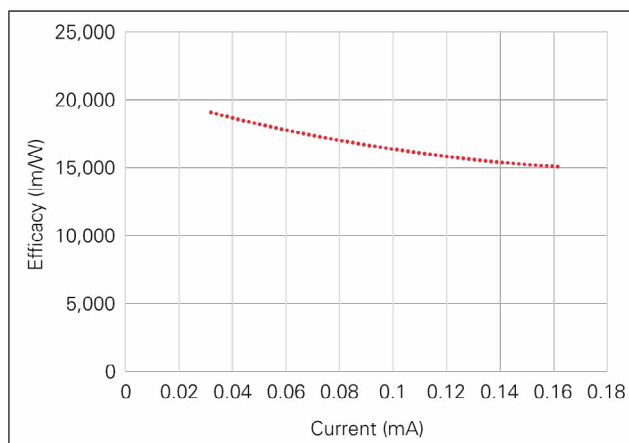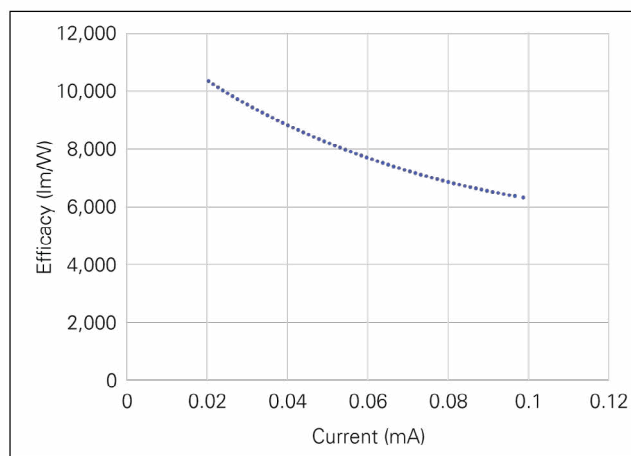
Derating

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

VOLTAGE VS. TEMPERATURE

WHITE
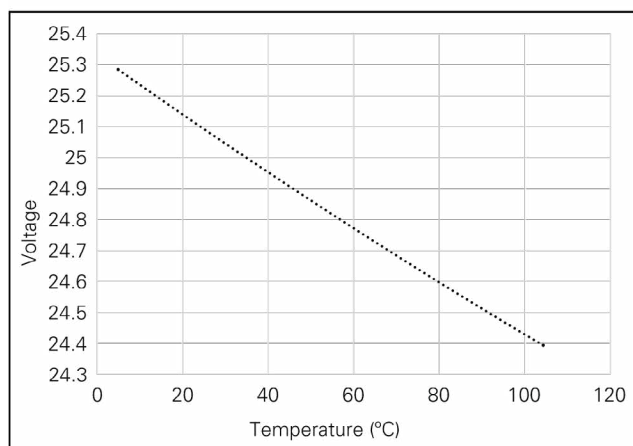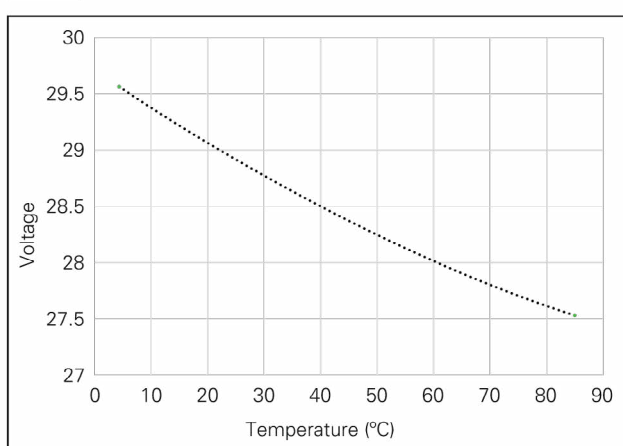
GREEN

RED
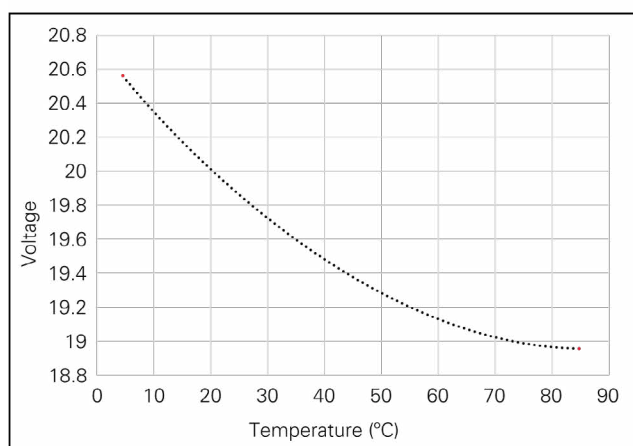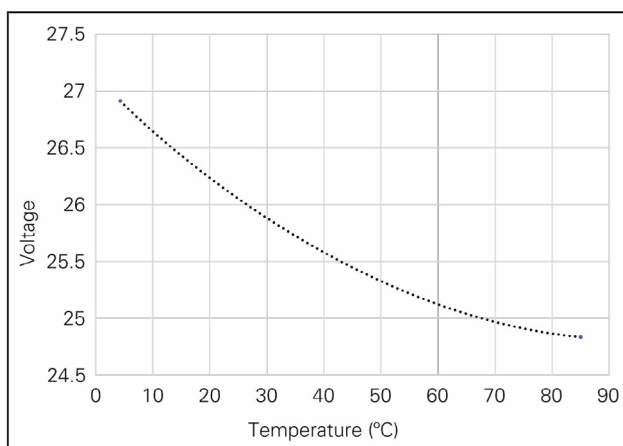
BLUE

Derating

FLUX VS. TEMPERATURE

WHITE

GREEN

RED

BLUE

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Customer Name		Date
Project Name		
Catalog Number		
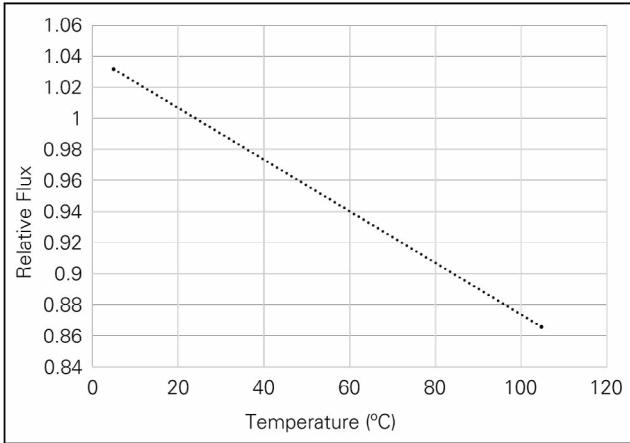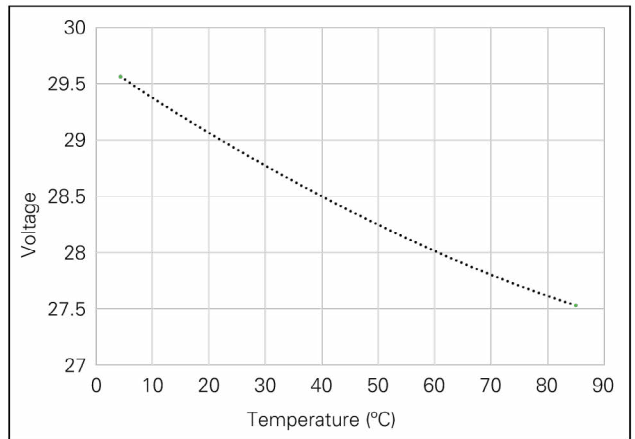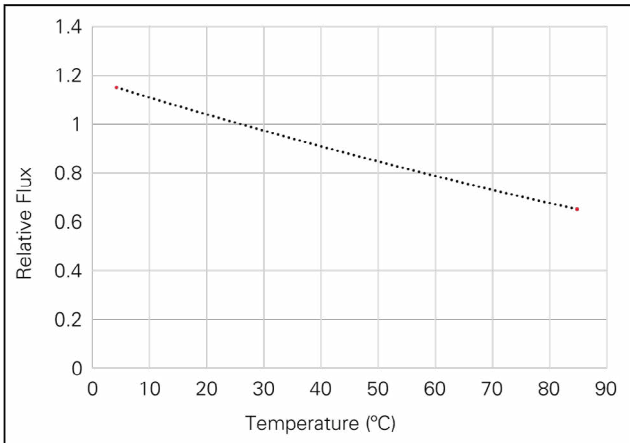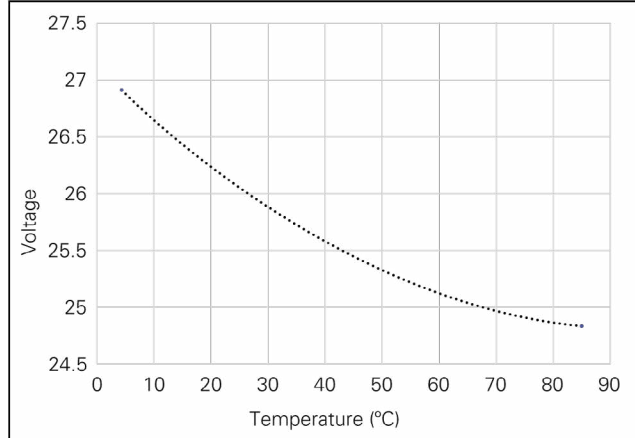
CONSTRUCTION

Housing:	Extruded aluminum, machined endcaps
Lens:	White opal
Optical Assembly:	18 GA cold rolled steel in a pre-paint white finish. Fully wired unit remains completely accessible from below via ballast panel.
Paint:	Black, White, Silver, Custom Color

OPTICAL SYSTEM

Distribution:	Direct (AQD)
Wattage:	6.5 - 9.5 watts/ft
CCT:	2700k, 3000K, 3500K, 4000K, 5000K
CRI (Min):	90CRI
Color Consistency:	2SDCM

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
Transient Protection:	All Non-Lutron = 2.5KV Lutron = 4KV

CONTROLS

Dimming:	Digitally Addressable Lighting Interface; DMX 512

OPERATING TEMPERATURE

Product	Operating Temperature
STD (Non-EM) Options	-30-25ºC (-22-77ºF)
2in w/Battery	10-25ºC (50-77ºF)

LUMEN MAINTENANCE

- L70>50K Hours

MOUNTING

- H - Stem Mount
- S - Surface Mount
- W - Wall Bracket Mount

DESIGN LIFE & WARRANTY

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

DAMP RATED

TAA COMPLIANT

Intertek

For Product or Technical Questions:

E: INFO@FORUMLIGHTING.COM
T: +1 412 781 5970

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