Hydro Series
32

The Hydro 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.

Ordering

HYD — 32 — ___ LED ___ — ___ — ___ — ___ — ___ — ___ — ___ — ___ — ___

lm/ft   CCT

OUTPUT		OPTICS	MOUNTING	LENGTH	VOLTAGE	FINISH	OPTION 1	OPTION 2	OPTION 3
lm/ft	CCT								
65 650 lm/ft 6.8 input watts/ft*	**27** 2700k temp 93.5% Special order option	**SAT** Satin lens	**W** Cantilevered Wall Brackets* 6" / 12" / 18"	**2** 2'-1 3/16"	**120V**	**WH** White	**F** Fusing		**B** Baffle
95 950 lm/ft 10 input watts/ft*	**30** 3000k temp 95.2%	**10** 10 Deg.	**S** Surface Mount Spec. wall bracket length	**3** 3'-1 3/16"	**277V**	**SV** Silver	**90 CRI** 90 CRI		
110 1100 lm/ft 11.6 input watts/ft*	**35** 3500k temp 96.8%	**30** 30 Deg.		**4** 4'-1 3/16"	**UNV** Universal	**BK** Black	**DIMMING OPTIONS (CHOOSE 1)**		
		60 60 Deg.		Spec. run length:		**CC** Custom Color Provide custom color RAL#:	**D10V** 0-10V dimming 1% power class	**DLA2** Lutron Hi-lume 1% 2-wire LED driver (120V forward phase only)	
* Assumes 4000k w/ satin lens	**40** 4000k temp 100%	**90** 90 Deg.		Standard run length in even foot increments.			**DLEH5** Lutron Hi-lume 1%-H EcoSystem LED driver with soft-On, Fade-to-Black	**DLE55** Lutron 5-Series EcoSystem LED driver	
Lumen Multiplier = % **of 4000K** Consult factory for limitations	**50** 5000k temp 103%	**ASY** Asymmetric		Individual units cannot be joined in field to create runs.			**DALI** Digitally Addressable Lighting Interface	**DIM** Dimming Please specify dimming manufacturer/model (if required)	
System Power Draw: 65LEDxx = 6.8W/ft 95LEDxx = 10W/ft 110LEDxx = 11.6W/ft							**CONTROLS OPTIONS (CHOOSE 1)**		
							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
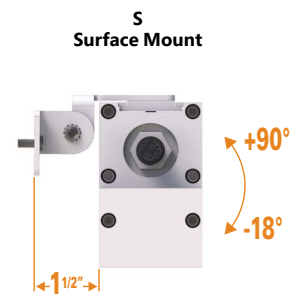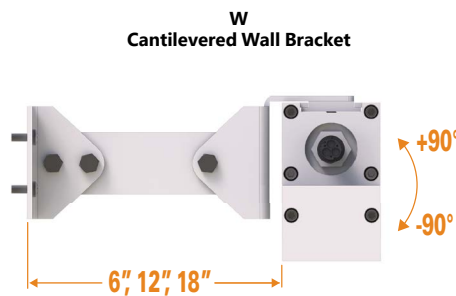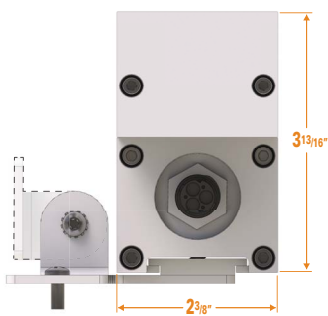7 Powercord not required for G2 mounting option

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

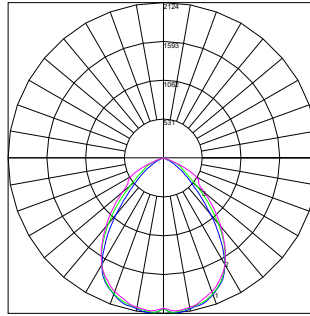| Ordering Code	Description
D10V	0-10V Dimming, 1% power class
DLA2	Lutron Hi-lume 1% 2-1ire LED driver (120V forward phase only)
DLEH5	Lutron Hi-lume 1% H EcoSystem LED driver with soft-On, Fade-to-Black
DLE55	Lutron 5-Series EcoSystem LED driver
DALI	Digitally Addressable Lighting Interface
DIM	Custom Dimming. Please specify dimming manufacturer/model

DRAWINGS

**W
Cantilevered Wall Bracket**

**S
Surface Mount**

FOR_hydro_spec_IND740_R01

Photometrics

Logic/Config
4' HYDRO

3791 Lumens
HYD-32-95LED40-90-S X 4'-UNV-WH-D10V

ZONE	LUMENS	% OF FIXTURE
0-20	775.69	20.50
0-30	1627.17	42.90
0-40	2515.58	66.40
0-60	3560.42	93.90
0-80	3790.4	100.00
0-90	3790.75	100.00

ZONE	LUMENS	% OF FIXTURE
10-90	3590.74	94.70
20-40	1739.89	45.90
20-50	2393.65	63.10
40-70	1251.63	33.00
60-80	229.98	6.10
70-80	23.19	0.60
80-90	0.35	0.00
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	3790.75	100.00

FOR_hydro_spec_IND740_R01

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
Efficacy:	Up to 128 LPW
Wattage:	6.8 - 11.6 watts/ft
CCT:	2700k, 3000K, 3500K, 4000K, 5000K
CRI (Min):	90CRI
R9 (Min):	65
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 + IP66
Transient Protection:	All Non-Lutron = 2.5KV Lutron = 4KV

CONTROLS

Dimming:	0-10V 1% power class; Lutron Hi-lume 1% 2-wire LED driver; Lutron Hi-lume 1%-H EcoSystem LED driver with soft-On Fade-to-Black; Lutron 5-Series EcoSystem LED driver; Digitally Addressable Lighting Interface; Custom Dimming

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

forumlighting.com