# 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. Current's patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy.

## *Ordering*

HYD — 32 — **LED** — — — — — — — —

lm/ft    CCT

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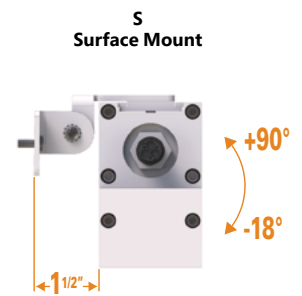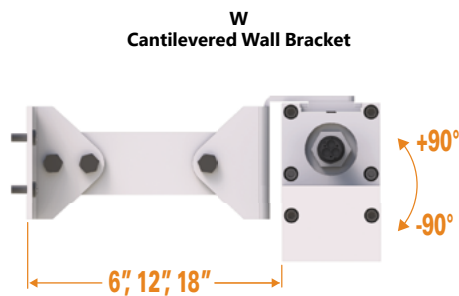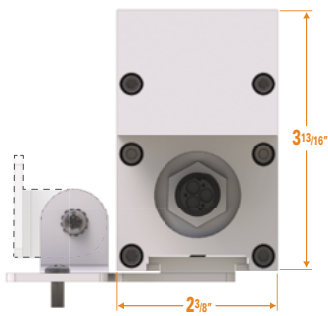7   Power cord not required for G2 mounting option

FOR_hydro_spec_IND740_R02

| Customer Name | | Date | |
|---|---|---|---|
| Project Name | | | |
| Catalog Number | | | |

## 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 |
| DALI | Digitally Addressable Lighting Interface |
| DIM | Custom Dimming. Please specify dimming manufacturer/model |

## DRAWINGS



**W**
**Cantilevered Wall Bracket**

6", 12", 18"

+90°
-90°

**S**
**Surface Mount**

+90°
-18°

1 1/2"

3 13/16"

2 3/8"

**FOR_hydro_spec_IND740_R02**

Current

## Photometrics

**Logic/Config**
**4' HYDRO**

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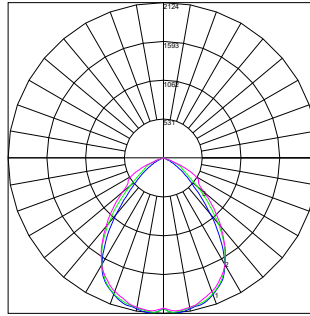


| ZONE | LUMENS | % OF FIXTURE |
|---|---|---|
| 0-20 | 775.69 | 20.50 |
| 0-30 | 1627.17 | 42.90 |
| 0-40 | 2515.58 | 66.40 |
| 0-60 | 3560.42 | 93.90 |
| 0-80 | 3790.4 | 100.00 |
| 0-90 | 3790.75 | 100.00 |

| 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_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 |
| **Efficacy:** | Up to 128 LPW |
| **Wattage:** | 6.8 - 11.6 watts/ft |
| **CCT:** | 2700k, 3000K, 3500K, 4000K, 5000K |
| **CRI (Min):** | TriGain® 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 <br> <20% - 277V |
| **Temperature / Humidity:** | Suitable for Wet Locations + IP66 |
| **Transient Protection:** | All Non-Lutron = 2.5KV <br> 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

**TriGain®**
technology

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

**Current**

**forumlighting.com**