Land Use Luminaire Cut Sheets

Elmonica Affordable Housing Full Design 2021-1320

Prepared for:

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May 12, 2022

INTERFACE ENGINEERING

LINEA 600 LVC   Specification

The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations. The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. Units for bi-level mounting are available, where the street-side luminaire is mounted high and a second fixture is mounted on the sidewalk side at a lower height for pedestrian illumination. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet Locations

.hess

TYPE SA
(TYPE SA1 POLE ONLY)

Ordering Information

Model	LED Module	Color Temperature	Distribution	Volt	Mounting	Pole	Pole Mat	Finish	Option
LN600	4LVC - 4 modules	WW -3000K	T2 - Type II	UNV - 120-277V	A - Single Mount	20SR - 20' Straight Rectangular	A - Alumin	SG - Silver Grey	DIM - 0-10vDC Dimming
		NW - 4000K	T3 - Type III		B - Twin Mount	X - Other (specify)	S - Steel	DG - Dark Grey	N - None
			T4 - Type IV					GG - Graphite Grey	HSS - House Side Shield
								BLK - Matte Black	
								BRZ - Dark Bronze	
								CC - Custom RAL Color	

Specifications are subject to change without notification

HessAmerica › Products › Lighting Products › Pole Mounted Luminaire › LINEA
https://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/

LINEA 600 LVC   Specification

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HOUSING
Rectangular luminaire housing with integral fitter is extruded aluminum. Frameless tempered glass lens is hinged and secured in place with a single stainless steel quarter-turn fastener for tool-less access to the optical compartment. Lens seals to the housing with one-piece silicone gasketing when closed. Housing is fitted with stainless steel weather-tight strain relief bushing for the power cable exiting the rear of the housing. Luminaire mounts to tenon on pole with matching profile and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations All hardware is stainless steel.

OPTICS
Optics include four individual LED modules. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones. CRI is 80+. Optional internal house side shield available on request.

4 Modules: 144 watts
Type II - 3000K: 13588 lumens / B2-U0-G2
Type III - 3000K: 12918 lumens / B3-U0-G2
Type IV - 3000K: 12156 lumens / B2-U0-G2

Type II - 4000K: 14754 lumens / B3-U0-G2
Type III - 4000K: 14027 lumens / B3-U0-G2
Type IV - 4000K: 13199 lumens / B2-U0-G2

NOTE : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for more current technical data.

ELECTRICAL
Electronic LED driver supplies 700mA drive current to LED modules with input voltage range from 120v through 277v at 50/60Hz. Power consumption is 144 watts. Optional 0-10v DC dimming is available on request.

LUMINAIRE WEIGHT: 26 lbs
LUMINAIRE EPA: 1.6 sq. ft

POLE

Aluminum:
Straight rectangular pole is 6.3" x 3.9" nominal and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.236". Sides of the shaft are flat with 1/8" radiussed corners. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8'' and includes triangular tamper-resistant locking device. Two piece base cover is fabricated aluminum. Nominal pole height is 20'.
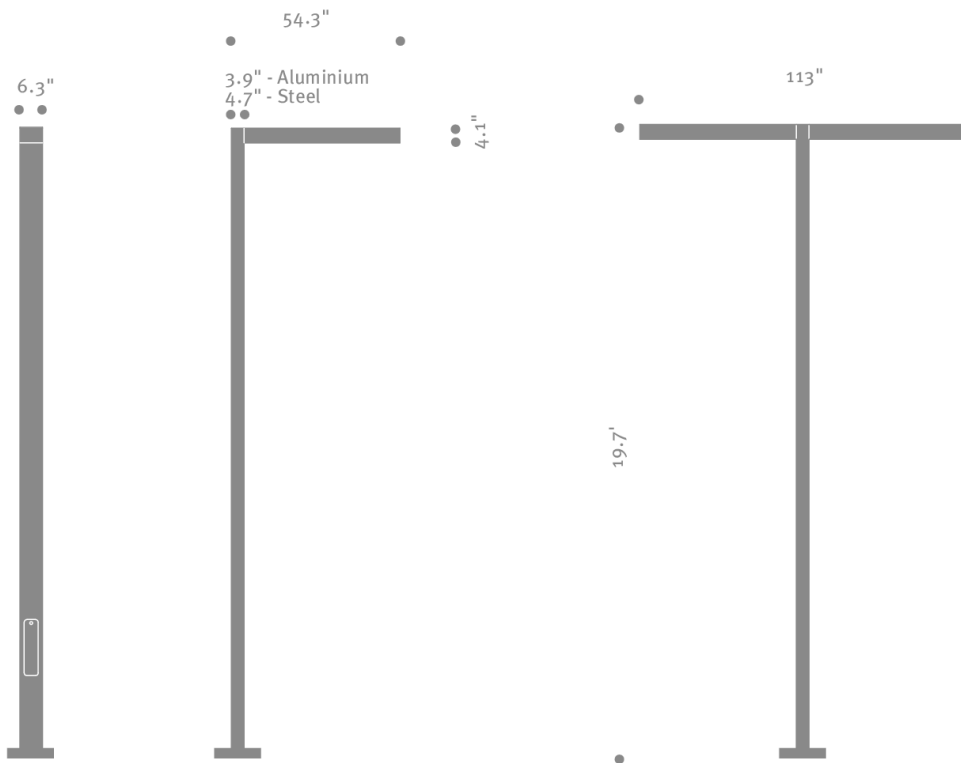
Steel:
Straight rectangular pole is 6.3" x 4.7" nominal and manufactured from cold drawn over mandrel, electric-weld, mechanical rectangular steel tubing with nominal wall thickness of 0.197''. Sides of shaft are flat with 1/2" radiussed corners. Pole shall show no seam along shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8'' and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Two piece base cover is fabricated aluminum. Nominal pole height is 20'.
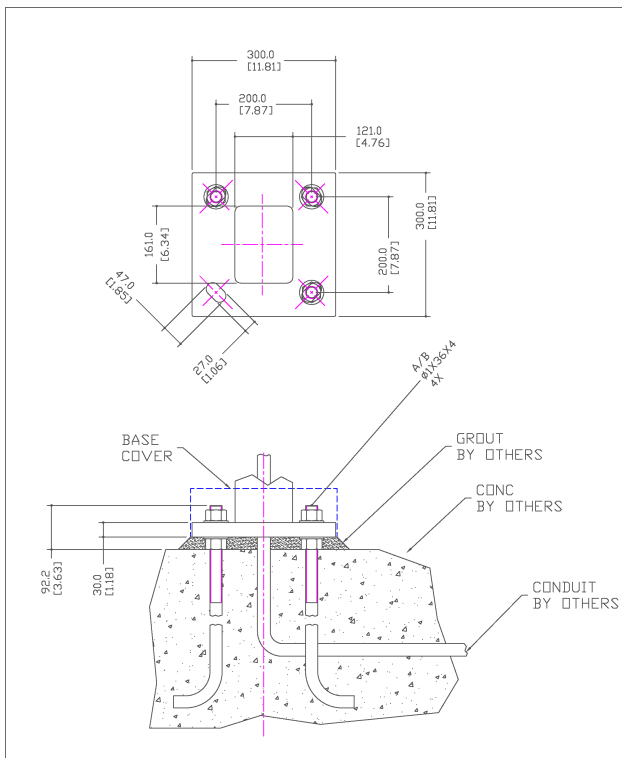
FINISH

Additional information

Dimensions

6.3"

54.3"

3.9" - Aluminium
4.7" - Steel

4.1"

113"

19.7'

Mounting detail

300.0
[11.81]

200.0
[7.87]

121.0
[4.76]

300.0
[11.81]

161.0
[6.34]

200.0
[7.87]

47.0
[1.85]

27.0
[1.06]

ØIX36X4
4X

BASE
COVER

GROUT
BY OTHERS

CONC
BY OTHERS

CONDUIT
BY OTHERS

92.2
[3.63]

30.0
[1.18]

Specifications are subject to change without notification

LINEA 450 LVC   Specification

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The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations. The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. Units for bi-level mounting are available, where the street-side luminaire is mounted high and a second fixture is mounted on the sidewalk side at a lower height for pedestrian illumination. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet Locations

Model	LED Module	Color Temperature	Distribution	Volt	Mounting	Pole	Pole Mat	Finish	Option
LN450	2LVC - 2 modules	WW -3000K	T2 - Type II	UNV - 120-277V	A - Single Mount	15SR - 15' Straight Rectangular	A - Alumin	SG - Silver Grey	DIM - 0-10vDC Dimming
		NW - 4000K	T3 - Type III		B - Twin Mount	X - Other (specify)	S - Steel	DG - Dark Grey	N - None
			T4 - Type IV					GG - Graphite Grey	HSS - House Side Shield
								BLK - Matte Black	
								BRZ - Dark Bronze	
								CC - Custom RAL Color	

Ordering Information

Specifications are subject to change without notification

LINEA 450 LVC   Specification

HOUSING
Rectangular luminaire housing with integral fitter is extruded aluminum with no visible welds. Frameless tempered glass lens with decorative masking is hinged and secured in place with a single stainless steel quarter-turn fastener for tool-less access to the optical compartment. Lens seals to the housing with one-piece silicone gasketing when closed. Housing is fitted with stainless steel weather-tight strain relief bushing for the power cable exiting the rear of the housing. Luminaire mounts to tenon on pole and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations. All hardware is stainless steel.

OPTICS
Optics include 2 individual LED modules. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones. Optional internal house side shield available on request.

LED DELIVERED LUMEN OUTPUT / BUG RATING
2 Modules: 72 watts
Type II - 3000K: 6794 lumens / B1-U0-G1
Type III - 3000K: 6459 lumens / B2-U0-G1
Type IV - 3000K: 6078 lumens / B1-U0-G1

Type II - 4000K: 7377 lumens / B2-U0-G1
Type III - 4000K: 7013 lumens / B2-U0-G1
Type IV - 4000K: 6599 lumens / B1-U0-G2

NOTE : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

ELECTRICAL
Electronic LED driver supplies 700mA drive current to LED modules with input voltage range from 120v through 277v at 50/60Hz. Power consumption is 72 watts. Optional 0-10v DC dimming is available on request.

LUMINAIRE WEIGHT: 22 lbs
LUMINAIRE EPA: 1.3 sq. ft

POLE

Aluminum:
Straight rectangular pole is 6.3" x 3.9" nominal and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.236". Sides of the shaft are flat with 1/8" radiussed corners. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8'' and includes triangular tamper-resistant locking device. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

Steel:
Straight rectangular pole is 6.3" x 3.5" nominal and manufactured from cold drawn over mandrel, electric weld, mechanical steel tubing with nominal wall thickness of 0.197". Sides of shaft are flat with 1/2" radiussed corners. Pole shall show no seam along the shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.
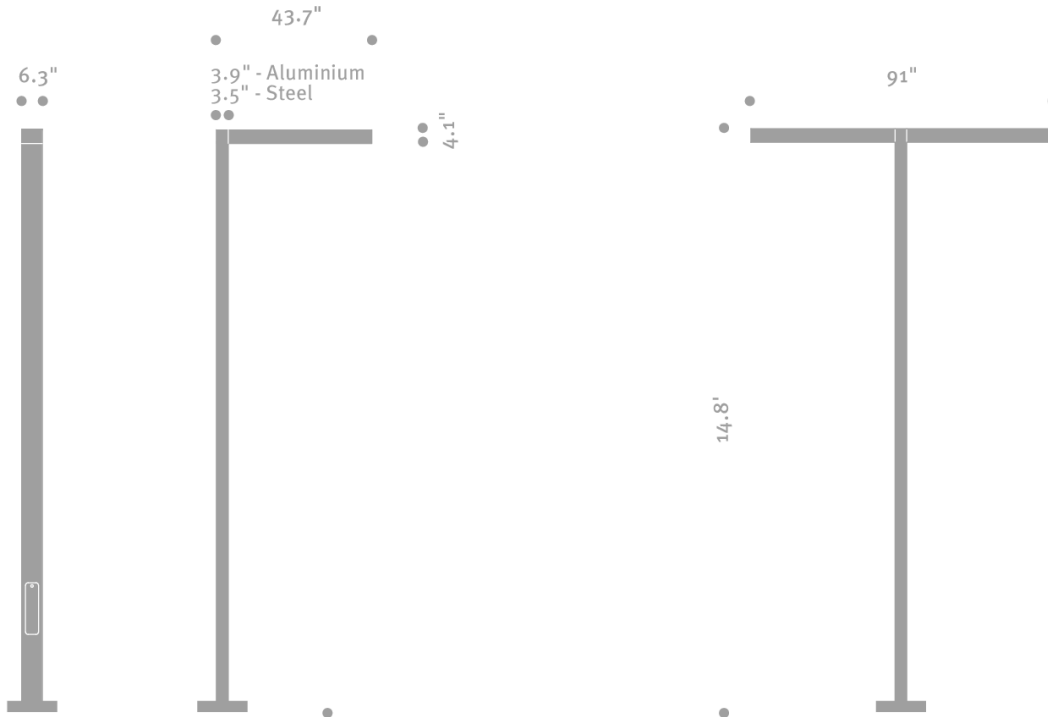
FINISH

Additional information

Dimensions

6.3"

43.7"

3.9" - Aluminium
3.5" - Steel

4.1"

91"

14.8'

Mounting detail

11.81

7.87

3.58

11.81

7.87

6.34

1.65

0.87

A/B
ø¾X17X3
4X

BASE
COVER

3.2

1.0

GROUT
BY OTHERS

CONC
BY OTHERS

CONDUIT
BY OTHERS

Specifications are subject to change without notification

ULEE-30001
Leeds 2 Small Surface Downlight

microVos TECHNOLOGY

TYPE SC

LIGMAN LIGHTING USA

ida DARK SKY APPROVED 2016

TURTLE FRIENDLY

5.5w LED 570 Lumens
IP65 • Suitable For Wet Locations
IK07 • Impact Resistant
Weight 1.7 lbs

4"
2.4"
2.4"
3.7"

3.1"
3.7"

3.7"
φ .66"
2.5"
2.3"

UP

Mounting Detail

4" junction box cover plate is available as an option

microVos
TECHNOLOGY

Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.

| Type I | Type II | Type III |
| Type IV | Type V |

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B0 - U0 - G0

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes
The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits
• Resistance to salt-acid room, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Super durable (UV resistant)
• TGIC free (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Clean, beautiful, surface wall fixtures with class leading performance. Minimalist form, yet the most powerful and flexible lighting tool of its type, offering packages up to 4000 lumens and microVos technology.

A range of small, square and rectangular, ADA compliant wall mounted luminaires with options of upward or downward light distributions. Ideally suited to illuminate the wall and surfaces in front of wall and for light accents on vertical surfaces using high efficiency LED's. The Leeds is suitable for indoor and outdoor applications and provides a clean, visually appealing solution for small, unob-trusive wall mounted luminaires.

This luminaire is available in 3 different sizes and in combinations of down, up or up/down light distributions.

This fixture utilizes microVos technology, meaning the ability to do Type I,II,III,IV & V distributions as well as hybrid distributions to suit the designer's requirements.

Using the microVos optics allows for very wide spacing to mounting height ratios, while still providing perfect uniformity and code compliant light levels.

The Leeds has been IDA Dark Sky certified for cct's of 3000K or lower.
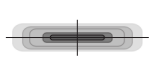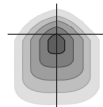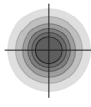
Additional Options (Consult Factory For Pricing)

[3.51"]
[2.76"]
[4.5"]
[2"]

SCDT
Surface Conduit Decorative Trim
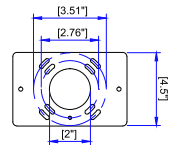
4MP
4" Octagonal J-Box
Mounting Plate

ULEE-30001
Leeds 2 Small Surface Downlight

microVos TECHNOLOGY

LIGMAN LIGHTING USA

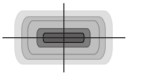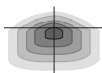| PROJECT		DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || ULEE - 30001 - 5.5w - T2 - W30 - 02 - 120/277v - Options

ULEE-30001					
	LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE

LAMP
5.5w LED
570 Lumens

BEAM
T1 - Type I Distribution
T2 - Type II Distribution
T3 - Type III Distribution
T4 - Type IV Distribution
M - Medium 30˚
W - Wide 56˚
EW - Extra Wide 99˚x102˚

LED COLOR
W27 - 2700K
W30 - 3000K
W35 - 3500K
W40 - 4000K

FINISH COLOR
01 - BLACK RAL 9011
02 - DARK GREY RAL 7043
03 - WHITE RAL 9003
04 - METALLIC SILVER RAL 9006
05 - MATTE SILVER RAL 9006
06 - LIGMAN BRONZE
07 - CUSTOM RAL

VOLTAGE
120v/277v

Other - Specify

INSPIRED BY NATURE FINISHES
SW01 - OAK FINISH
SW02 - WALNUT FINISH
SW03- PINE FINISH
DF - DOUGLAS FIR FINISH
CW - CHERRY WOOD FINISH
NW - NATIONAL WALNUT FINISH
SU01 - CONCRETE FINISH
SU02 - SOFTSCAPE FINISH
SU03 - STONE FINISH
SU04 - CORTEN FINISH

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

ADDITIONAL OPTIONS

NAT - Natatorium Rated
SCDT - Surface Conduit Decorative Trim
F - Frosted Lens

4MP - 4" Octagonal J-Box Mounting Plate
AMB - Turtle Friendly Amber LED

More Custom Finishes Available Upon Request
Consult factory for pricing and lead times

Oak

Cherry

Beech

Carbon

Walnut

Chestnut

Bamboo

Galvanized

Pine

Mahogany

Birch

Steel

Example: Inspired by Nature Finish

ETL Intertek

LTR-4RD
LITEISTRY 4" ROUND DOWNLIGHT

LITEISTRY™

FEATURES

- 4" architectural LED downlight delivering 600 – 4000 lm

- Five beam distributions from 0.3 to 1.2 Spacing Criteria

- Quiet reflector appearance with superior 50º optical cutoff

- 2700K – 5000K, 80+ and 90+ CRI options

- Available for New Construction (non-IC), IC and Chicago Plenum applications

- Variety of dimming protocol options including 0–10V, DALI, DMX, Lutron Forward Phase and EcoSystem

- NX Distributed Intelligence™ wired and wireless controls capability available

WET LOCATION

CSA C US

ENERGY STAR

BUY AMERICAN SOLUTIONS — See Certification Specifications

RELATED PRODUCTS

- LTR-4RD-RFH Retrofit
- 4" LITEISTRY Family
- LTR-4RD SpectraSync
- LTR-4RD PowerHUBB

SERVICE PROGRAMS

STOCK

QS10

CONTROL TECHNOLOGY

NX DISTRIBUTED™ INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION
- Standard Non-IC. Chicago Plenum and IC options

- Painted black durable steel platform with pre-installed bar hangers

- Pre-wired junction box with snap-on covers for easy access

- Snap-in connection from driver compartment allows easy installation

- Light Engine connections use plenum rated (CMP) cable

OPTICS
- Visually pleasing 50° cutoff to source and source image

- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition

- Optical grade silicone lens integral to light engine

- High purity spun aluminum reflector, self-flanged

- Flush Mount flange option with mud-in ring available

- Large selection of anodized finishes and colors

- Painted cones and flange options available

ELECTRICAL
- Chip-on-board LED with 2 SDCM

- Multiple CCTs, 80+ or 90+ CRI

- Long LED life: L90 at >55,000 hours (TM-21)

- Universal voltage 120V–277V driver, 347V optional

- UL Class 2, inherent short circuit and overload protection, RoHS compliant

- Flicker free 0-10V dimming with 1% or <1% performance

- DALI, DMX, and Lutron Forward Phase and EcoSystem options

- Integral and remote emergency controller and battery pack options available

- NX or Lutron Vive control options available

- Refer to additional spec sheets for information on SpectraSync™ Tunable White or Dim-to-Warm or PowerHUBB™ PoE enabled solutions

INSTALLATION
- Accommodates ceiling thickness up to 2"

- Universal adjustable mounting brackets also accept 0.5" EMT conduit or 1.5" or 0.75" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6)

- Light Engine/Driver fully serviceable from above or below the ceiling

CERTIFICATIONS
- cCSAus certified to UL 1598

- Suitable for wet locations, covered ceiling. EM/ EMR: Suitable for damp locations.

- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment

- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring

- ENERGY STAR® certified models available (See list and additional information on page 7)

- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 6/6/2020. See Buy American Solutions.

WARRANTY
- 5 year warranty

- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	600-4000
Wattage Range	8-52
Efficacy Range (LPW)	90-99*
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	65-433 (120V)

*Based on Specular, 35K, 80 CRI

HUBBELL Lighting

PHOTOMETRY

DIMENSIONAL DRAWINGS

LTR-4RD STOCK

LTR-4RD QUICK-SHIP

prescolite

LTR-4RD
LITEISTRY 4" ROUND DOWNLIGHT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

☐ = Service Program

STOCK **QS**

Click icons for a list of Stocked or Quick-Ship options

ORDERING GUIDE

Example: LTR–4RD–H–SL10L–DM1–LTR–4RD–T–SL35K8MD–S

CATALOG # [_____]

HOUSING

LTR-4RD-H – – –

Aperture/Shape/Function		Lumen Package	Lumen Output		Driver Options		Control Options		Voltage		Housing Options	
LTR-4RD-H	4" Round Downlight New Construction Housing	**SL** Standard Lumen	**06L** 600		**DM1**	0-10V Dimming to 1%	**NXE**	NX Enabled, Dual SmartPorts [3]	*Standard 120-277V*		**CP**	Chicago Plenum [7, 9]
			10L 1000		**DM01**	0-10V Dimming to < 1%			**34** 347V [6]		**IC**	IC rated [8, 9]
			15L 1500		**DMX**	DMX with RDM dimming to < 0.1% [2]	**NXWE**	NX Wireless Enabled [3]			**EM**	Emergency Battery Pack with integral test switch and indicator light [9]
		ML Medium Lumen	**20L** 2000		**DALI**	DALI Dimming to 1%	**NXWD**	NX Wireless Enabled, Dual SmartPorts [3]				
			25L 2500		**2DM**	Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) [2]	**LV**	Lutron Vive Enabled, 0-10V (requires 0-10V driver)			**EMR**	Emergency Battery Pack with remote test switch and indicator light [9]
			30L 3000									
		HL High Lumen	**35L** 3500		**EDM**	Lutron Hi-Lume EcoSystem Dimming to 1% [2]	**LVE**	Lutron Vive Enabled, EcoSystem, (requires EDM)			**DTS**	Device Transfer Switch with Dimming Bypass [9, 11]
			40L 4000								**GTD**	Generator Transfer Device [9]
											F	Fuse

TRIM

LTR-4RD-T – –

Aperture/Shape/Function		Lumen Package		CCT		CRI		Distribution	
LTR-4RD-T	4" Round Downlight Light Engine/Trim Assembly	**SL**	Standard Lumen	**27K**	2700K	**8**	80+CRI	**VNR**	Very Narrow (0.3 SC/20°) [13]
		ML	Medium Lumen	**30K**	3000K	**9**	90+CRI	**NR**	Narrow (0.4 SC/29°)
		HL	High Lumen	**35K**	3500K			**MD**	Medium (0.7 SC/44°)
				40K	4000K			**WD**	Wide (0.9 SC/61°)
				50K	5000K [1]			**XW**	Extra Wide (1.2 SC/78°)

TRIM CONTINUED

–

Reflector Finish		Reflector Color		Flange Color Options		Lower Trim Options		Reflector Options	
Finish not applicable with painted reflectors (WC or BC)		*Standard Clear*		*Standard matches reflector color*		**EM**	Pre-punched reflector for EM integral test switch and indicator	**AM**	Antimicrobial Coating [5]
S	Specular	**CG**	Champagne Gold	**WT**	White Flange [4]				
SS	Semi-Specular	**BL**	Black	**BT**	Black Flange [4]	**FM**	Flush Mount Mud-in Ring [10]		
MFC	American Matte™	**LW**	Light Wheat						
VS	Softglow®	**PW**	Pewter			**WF**	Wide Flange		
VSS	SoftSheen™	**WC**	Painted White Cone and Flange						
		BC	Painted Black Cone and Flange						

Accessories

☐ **B24**	Set of two (2) 24" bar hangers for T-bar ceilings
☐ **B6**	Set of two bar hangers for ceiling joist up to 24" centers
☐ **FMR4-R**	Flush Mount Mud-In Ring Accessory, 4" Round
☐ **LiteGear**	LiteGear® Inverter, 125VA-250VA
☐ **LPS Series**	LightPower Micro-Inverter, 20VA-55VA
☐ **MOR4-R-WH**	Metal Oversized Ring, 4" Round, White (8.25" outside diameter)
☐ **MOR4-R-BL**	Metal Oversized Ring, 4" Round, Black (8.25" outside diameter)
☐ **LTR-SCA4-__**	Sloped Ceiling Adapter, 4", White [12]

Notes:
1. 5000K available in 80+ CRI only.
2. 2DM, EDM, DMX available in 10L-35L.
3. NX requires DM1 driver option.
4. WT not needed for WC, BT not needed for BC.
5. AM available with WC or Specular Clear (S or SWT). Consult factory for other colors.
6. 347V requires DM1 driver option; not available in 06L or with Controls F, DTS, GTD, EM, EMR.
7. CP available up to 20L; not available with DMX, Controls, or EMR options.
8. IC available up to 20L; not available with Controls options.
9. Housing options (except Fuse) not available in combination.
10. Flush Mount Flange (FM) requires FMR accessory (sold separately).
11. DTS available with DM1, DM01, DALI, or EDM; not available with LVE.
12. Specify slope angle 5°-35° in 5° increments. Not available with EM, WF, or FM options.
13. VNR available up to 30L.

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HUBBELL Lighting

SRT1 EDGE-LIT
CEILING/SURFACE/GARAGE

FEATURES

- For ceiling mount and parking garage applications from an 8–15 foot mounting height

- Edge-lit flat lens for optimal visual comfort and uniformity across the lens

- Two optical distributions specifically design for parking garage and canopy applications are available making the Beacon Edge-Lit luminaire both versatile and functional

- UL/cUL listed for wet locations, IP65 and 3G vibration rated

- Occupancy sensor available for complete on/off and dimming operation

DLC QPL LISTED™

BUY AMERICAN SOLUTIONS
See Certification Specifications

RELATED PRODUCTS
∂ Drive Edge-Lit SRT2   ∂ Orbeon   ∂ Viper Small

SPECIFICATIONS

HOUSING
- Die-cast aluminum housing ensures long electrical component life and luminaire performance

- Corrosion resistant powder coat finish both protects and provides architectural appearance

- One piece molded silicone gasket ensures weather proof seal

- Thermally isolated driver mounted to dedicated bracket reduces operating temperatures and increases driver life and reliability

OPTICS
- Edge-lit acrylic light guide provides blended non-pixelated light for unprecedented visual comfort

- Choice of multiple light outputs with lumen range of 2000–6000

- Two distribution types: Type 5 Square Wide, Type 5 Concentrated

- Wide variety of CCT's and CRI's offered: 3000K (70CRI), 3000K (80CRI), 3500K (80CRI), 4000K (70CRI), 4000K (80CRI) or 5000K (70 CRI) CCT

ELECTRICAL
- 120V–277V 50/60Hz available

- 0–10V dimming drivers are RoHS compliant

- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 24" standard

INSTALLATION
- Standard quick mount plate over standard 4" junction box or octagonal junction box and allows for simplified fixture installation

- Standard luminaire accepts a rigid or 3/4" NPT stem for pendant mounting via wet location j-box (by others)

- Optional bird deterrent shroud available for field installation

OPTIONS/CONTROLS
- Standalone occupancy sensor available for on/off or dimming operation

- Uplight option provides approximately 800 lumens and consumes only 8 additional watts

- Vandal resistant wire guard available as an option for factory installation or as an accessory for field installation

- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application

CERTIFICATIONS
- Listed to UL1598 for use in wet location, listed for -40ºC to 40ºC applications

- IDA approved with zero uplight for 3000K and warmer CCTs

- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

- IP65

WARRANTY
- 5 year warranty

- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	2000–6800
Wattage Range	15–55W
Efficacy Range (LPW)	99–118
Reported Life (Hours)	50K
Weight lbs. (kg)	8 (3.6)

HUBBELL Lighting

SRT1 EDGE-LIT
CEILING/SURFACE/GARAGE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ORDERING GUIDE

Example: SRT1-35-3K7-5QW-UNV-BLT-WG

CATALOG #

Series		Engine		CCT		Distribution		Voltage		Color/Finish		Options	
SRT1	Edge-Lit Parking Garage Size 1	**15**	15W Nominal 2000 lm	**3K7**	3000K, 70 CRI	**5QW**	Type 5 Square Wide	**UNV**	120V-277V	**BLT**	Black Matte Textured	**WG**	Wire Guard
		20	20W Nominal 2500 lm	**3K8**	3000K, 80 CRI	**5C**	Type 5 Concentrated	**120**	120V	**BLS**	Black Gloss Smooth	**UD**	Uplight Module[3]
		35	35W Nominal 4500 lm	**35K8**	3500K, 80 CRI			**208**	208V	**DBT**	Dark Bronze Matte	**F**	Single Fuse (120, 277)[1]
		55	55W Nominal 6500 lm	**4K7**	4000K, 70 CRI			**240**	240V	**DBS**	Dark Bronze Gloss Smooth	**LD3**	36" Lead Length[2]
				4K8	4000K, 80 CRI			**277**	277V	**GTT**	Graphite Matte Textured	**LD6**	72" Lead Length[2]
				5K7	5000K, 70 CRI					**LGS**	Light Grey Gloss Smooth	**LD9**	108" Lead Length[2]
										PSS	Platinum Silver Smooth	**SP10K**	10kA Surge Protection[3]
										WHT	White Matte Textured	**LMB**	Less Mounting Bracket
										WHS	White Gloss Smooth	**CD**	Continuous Dimming[4]
										VGT	Verde Green Textured		
										Color Option			
										CC	Custom Colors		

Control Options

NX Standalone

NXOS12F	NX Distributed Intelligence™, PIR Occ. Sensor, Dimming Daylight Harvesting, up to 12' MH

Sensor Controls

SCP-8F	Remote control programmable line voltage sensor (8-12' recommended mounting height)[4]
SCP-20F	Remote control programmable line voltage sensor (12-20' recommended mounting height)[4]

Accessories (Order Separately)

☐	**SRT1-WG**	Wire Guard
☐	**SRT-MB**	Mounting bracket for pre-installation
☐	**SRT1-BS-XXX**	Bird deterrent shroud for SRT1 version, not available with uplight
☐	**SCP-REMOTE**	Remote control for SCP option; order at least on per project to program and control

Notes:
1. Must specify voltage
2. Standard wire lead length 24"
3. SP10K or NXOS12F not available with uplight (UD)
4. 120V or 277V only

PERFORMANCE DATA

Nominal Watts	Nominal Lumens	Distribution	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
15	2500	5C	2470	146.61	1	0	1	2459	145.91	1	0	1	2364	140.30	1	0	1
		5QW	2378	141.15	1	0	1	2367	140.48	1	0	1	2276	135.07	1	0	1
20	3000	5C	3093	136.86	1	0	1	3078	136.21	1	0	1	2960	130.97	1	0	1
		5QW	2974	131.60	1	0	1	2960	130.97	1	0	1	2846	125.93	1	0	1
35	4500	5C	4757	131.05	2	0	1	4734	130.42	2	0	1	4552	125.41	2	0	1
		5QW	4574	126.01	2	0	1	4552	125.41	2	0	1	4377	120.58	2	0	1
55	6500	5C	6814	127.13	2	0	1	6782	126.52	2	0	1	6521	121.66	2	0	1
		5QW	6552	122.24	3	0	1	6521	121.66	3	0	1	6270	116.98	3	0	1

ELECTRICAL DATA

Nominal Watts	System Watts	Line Voltage		AMPS AC				Dimming Range	Absolute Voltage Range on 0-10V (+)	
		VAC	HZ	120	208	240	277		VAC	HZ
15	16.9	120-277	50/60	0.14	0.08	0.07	0.06	10% to 100%	0V	10V
20	21.6	120-277	50/60	0.18	0.10	0.09	0.08	10% to 100%	0V	10V
35	34.6	120-277	50/61	0.29	0.17	0.14	0.12	10% to 100%	0V	10V
55	54.9	120-277	50/62	0.46	0.26	0.23	0.20	10% to 100%	0V	10V

HUBBELL Lighting

SRT1 EDGE-LIT
CEILING/SURFACE/GARAGE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L_{70} (Hours)
25°C / 77°F	1.00	0.98	0.96	0.95	0.89	278,000
40°C / 104°F	0.99	0.98	0.96	0.94	0.88	264,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

DIMENSIONS
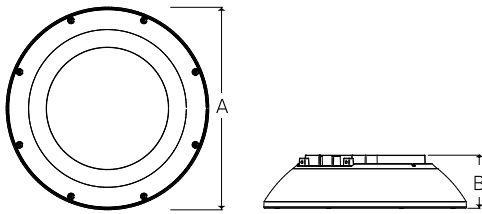
A	B	Weight
12" (304mm)	3.1" (78mm)	8lbs (3.6kg)

ADDITIONAL INFORMATION

FINISH OPTIONS

DB Dark Bronze Textured   **BL** Black Textured   **PS** Platinum Silver Smooth   **GYS** Gray Smooth   **WH** White Textured   **GT** Graphite Textured

Wire Guard
An optional wire guard can be specified at the factory or as an accessory for field installation.

Bird Deterrent
An optional bird shroud deterrent can be specified at the factory or as an accessory for field installation.
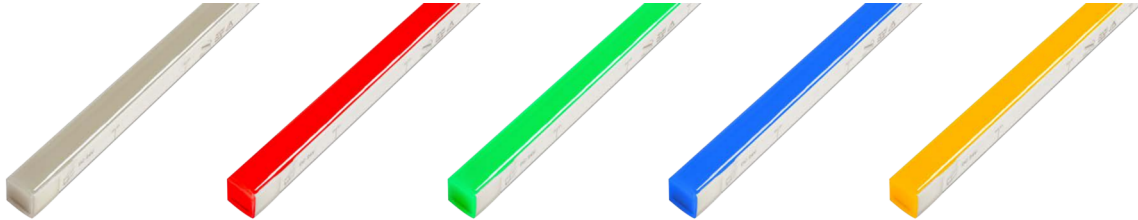
SIGNWAVE® 3 (INDOOR/OUTDOOR)

SW3-SERIES | NARROW VIEW FLEXIBLE LIGHTING SYSTEM

Fixture Type: _____

Project: _____

Location: _____

Color/Kelvin	WHITE (Specify CCT)	RED	GREEN	BLUE	AMBER	RGBW	CT (2500+5000K)
Wavelength	N/A	620-630nm	520-530nm	465-475nm	585-595nm	N/A	N/A
Wattage	3.7W/ft	2.2W/ft	3.7W/ft	3.7W/ft	2.2W/ft	4.6W/ft	3.7W/ft
Power Feed	Every 26ft	Every 39ft	Every 26ft	Every 26ft	Every 39ft	Every 21ft	Every 26ft
Production Intervals	2.188"	3.25"	2.188"	2.188"	3.25"	3.25"	3.25"

PRODUCT FEATURES

• Dimmable

• 50,000 hour life

• Flat profile for streamline projects

• Horizontal or vertical bending option

• IP67 or IP68 option

• UL-listed for indoor and outdoor use

• Factory-installed power feed

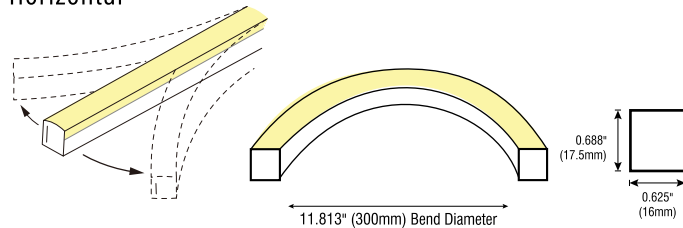• Injection-molded flush end caps

• For use with 24V power supplies

SPECIFICATIONS

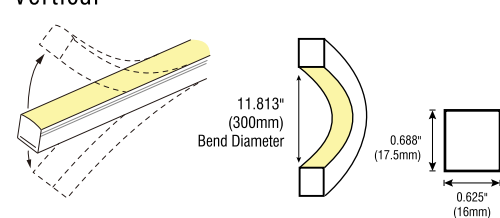|	
Series	SW3 - Signwave® 3
Input Voltage	24V DC
Max Run Length	Unlimited, Refer to **Power Feed** Above
Lumens	162 Lm/ft (White)
Beam Angle	160°
Dimensions	0.625"(16mm) × 0.688"(17mm)
CRI	80+
Dimming Options	PWM, Triac, 0-10V, DMX, Hi-lume
Temp Range	-4°F (-20°C) to 113°F (45°C)

UV Resistant | Solvents Resistant | Saltwater Resistant | IK08 Protection

DryWire ferrule located 115mm from the cable connector. Protects against damage from water ingress inside cable wire.

Included in every run.

BENDING OPTIONS & PROFILE DIMENSIONS

Horizontal

0.688" (17.5mm)

11.813" (300mm) Bend Diameter

0.625" (16mm)

Vertical

11.813" (300mm) Bend Diameter

0.688" (17.5mm)

0.625" (16mm)

Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.0

RoHS COMPLIANT

c UL us LISTED

24V DC

WET LOCATION RATED

SIGNWAVE® 3 (INDOOR/OUTDOOR)

SW3-SERIES | NARROW VIEW FLEXIBLE LIGHTING SYSTEM

IP67 OPTIONS

Bottom Feed (B)

End Feed (E)

Side-Feed Right (SR)

End Cap

IP68 OPTIONS

Bottom Feed (B)

End Feed (E)

Side-Feed Right (SR)

End Cap
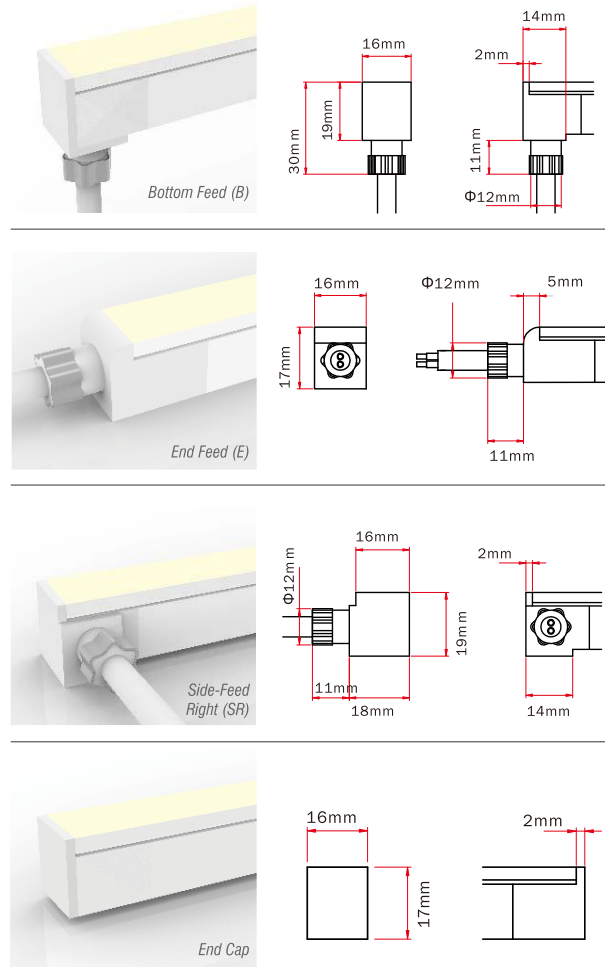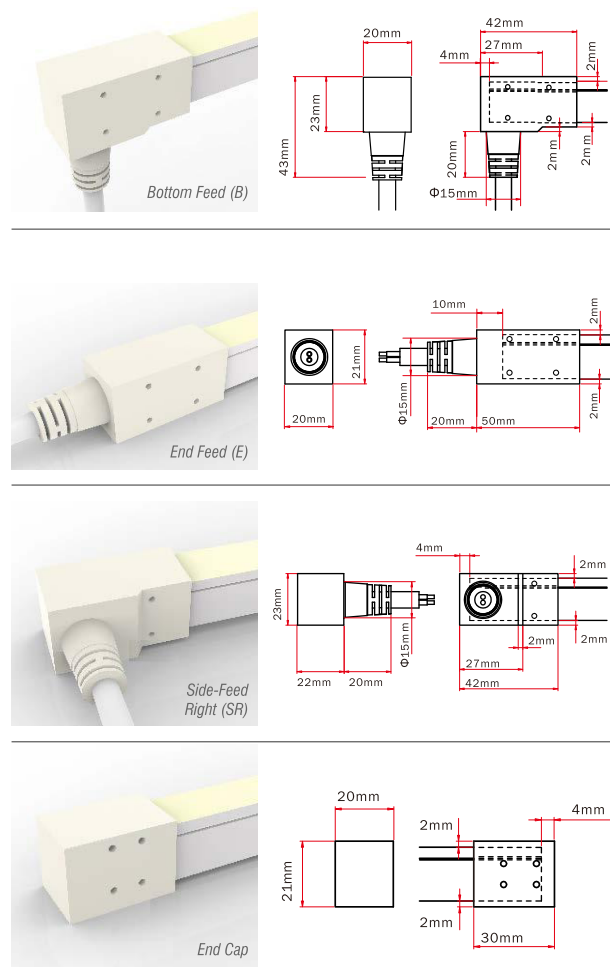
ORDERING INFORMATION

Example: **SW3-36-RGBW-VR-E-S-IP67**

Series	Length (Unlimited)	Color	Bending	Feed Point	Feed Length	Rating
SW3						
SW3 - Signwave 3	**Inches**	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **45K** - 4500K **50K** - 5000K **RD** - Red **GRN** - Green **BL** - Blue **AM** - Amber **RGBW** - Color Changing **CT** - Color Tuning	**VR** - Vertical **HZ** - Horizontal (Not available in RGBW)	**B** - Bottom Feed **SL** - Side-Feed Left **SR** - Side-Feed Right **E** - End Feed	**S** - Standard (118 inch) **Inches** - Custom length *(inches)*.	**IP67** **IP68**

Questions/Support | 800-789-3810 | quotes@kelvix.com | *032822CB*

SIGNWAVE® NARROW VIEW ACCESSORIES
FOR SIGNWAVE™ 3 SERIES

ALUMINUM SERRATED CHANNEL
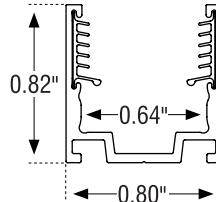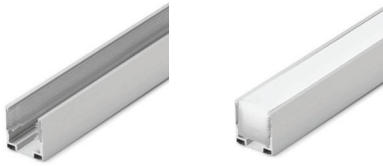
Model	SW-K-AL-CH-SR-2M
Material	Aluminum
Length	78.75" (2m)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)

ALUMINUM SERRATED CLIP
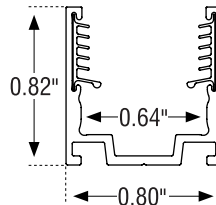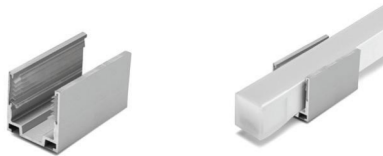
Model	SW-K-CLP-AL-SR
Material	Aluminum
Length	0.79" (20mm)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)

ALUMINUM SERRATED FLEX CHANNEL
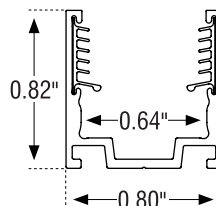
Model	SW-K-CH-AL-FLX-1M
Material	Aluminum
Length	39.3" (1m)
Width	0.80" (20.2mm)
Height	0.82" (20.8mm)
Internal Width	0.64" (16.3mm)

SIDE MOUNTING BRACKET
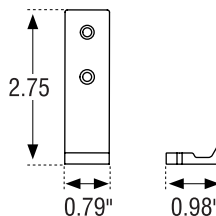
Model	SW-CLP-RA
Material	Aluminum
Length	0.79" (20mm)
Width	0.98" (25mm)
Height	2.75" (70mm)

REQUIRED: Must be paired with channel.