ARCHIPELAGO
LIGHTING GROUP

lampar(A)RCH

LLSN | Vanguard

Product Data Sheet

COMMERCIAL-GRADE

LED Industrial Strips | PRO-tier

2FT | 4FT | 8FT

- WATT 3-WAY SELECTABLE
- CCT 3-WAY SELECTABLE
- BLUE(A)RCH™ ENABLED

Product Overview

The LLSN Vanguard-Series is designed with beauty and brains. Fit it with the dome lens for industrial low-bay applications or pair it with quadrilateral lens for proprietary optics that deliver maximum lumens and conceals the LED light source for architectural linear applications.

Designed with 3-way switchable power and 3-way CCT using dip-switches to choose between 9-variations for use in offices, schools, hospitalities and other indoor spaces.

Featuring seamless light distribution with prismatic acrylic lens that is superior to competing strip fixtures, the LLSN-series is a time-saving and cost-effective alternative to full fixture replacement.

ARCHIPELAGO luminaires and LED components has been tested by independent laboratory in accordance to IESNA LM79 and LM80. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Furthermore, the range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Product Warranty*

🛡	7-Year Warranty	🕐	75,000 Hrs

* Standard warranty. Extended warranty available.

Applications

Office Space	School	Hospitals	Commercial Buildings

## Main Features

- All-in-One Lighting Solution for Linear Strip
- Industry's Fastest Strip Installation in Minutes
- Steel Housing and Equipped w/ Heat Resistant Frosted Lens
- Universal Fit to Standard 4.25"/5.25" T8/T12 Fluorescent Strips
- Traditional Design is Suitable for Small Space Such as Stairwell
- Selectable Wattage and CCT Through Driver-Based Dip-Switches
- Easy Installation w/ Lay-In Ready and Built-In Seismic Hooks
- Microchip Programed Light-Engine for Consistent CCT
- High Performance and Built-In Sensor Ready Options Available
- High-Density LED Chips for Uniform Light Output
- 7-Year, 75,000Hr Warranty
- UL Damp Location Listed
- DLC Standard Listed
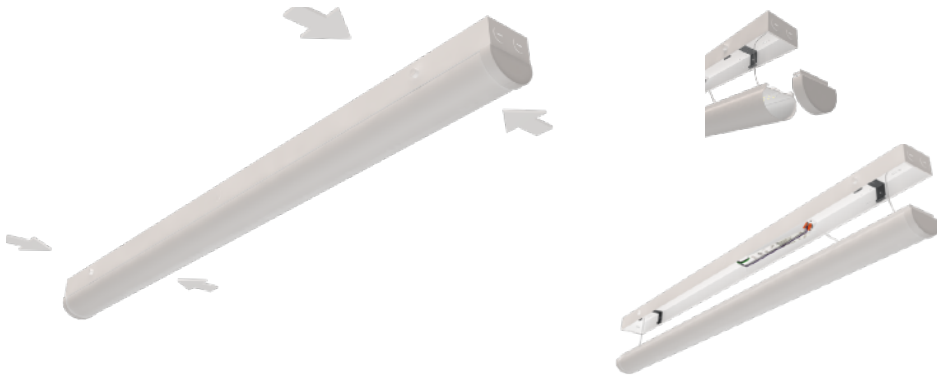
Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Highlights

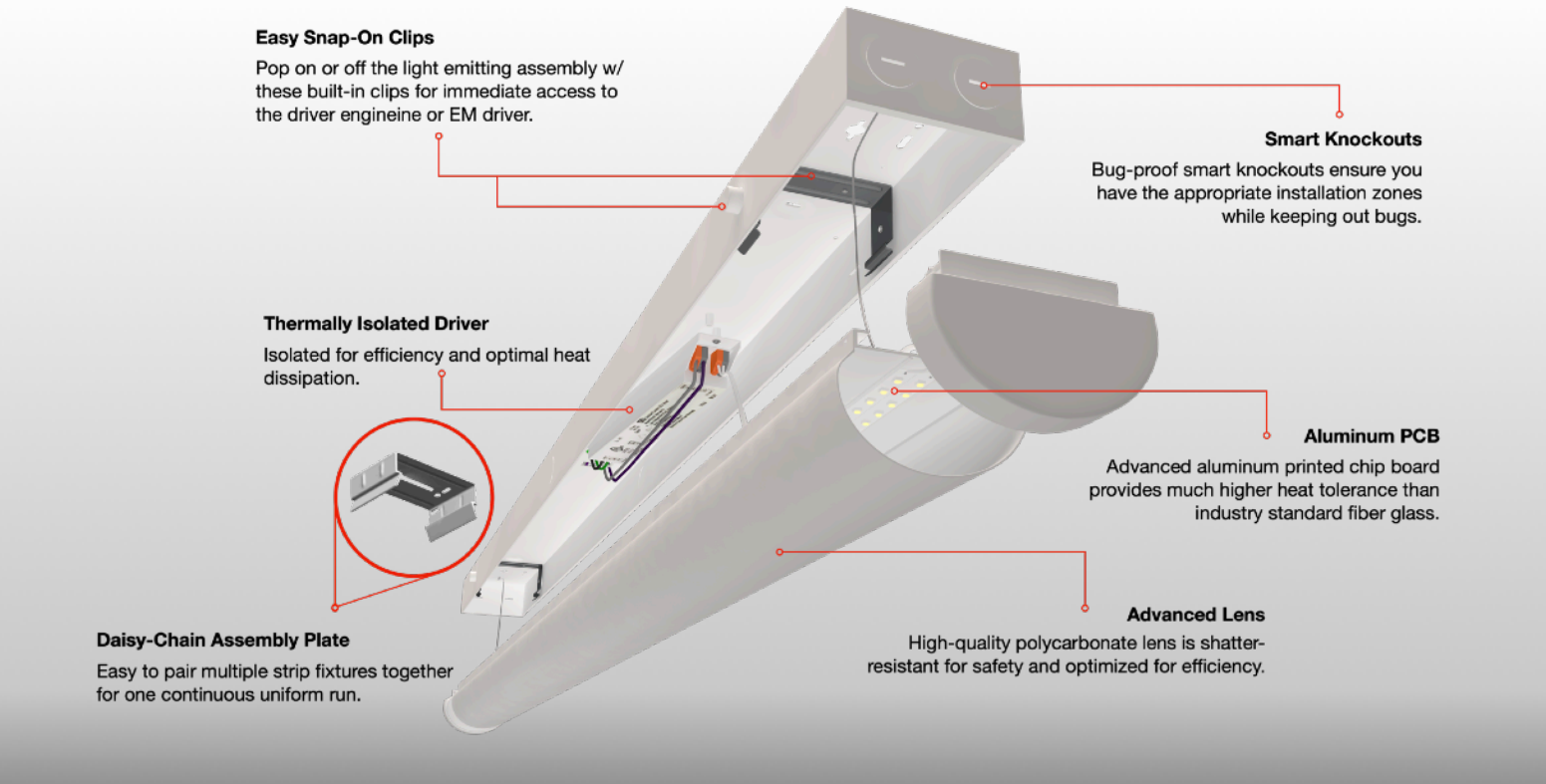| Features		Description
3-WATTselect		Wattage selectable: 3-way dip-switch
3-CCTselect		CCT selectable: 3-way dip-switch
blue(A)RCH™ Controls		SIG-qualified Bluetooth Mesh lighting control solution. Technology by Silvair.
High Performance		Up to 400W, replacing up to 2,000W MH
Standard Extended Warranty		Up to 7-Year, 75,000 Hrs

Key Specifications

- **LED Chip:** Seoul 3528, LM80, IP-Protected
- **Lightweight Frame:** 6063 Aluminum
- **Operating Temp:** -4°F — 122°F
- **IP:** IP40 Indoor Damp Location
- **Input Voltage:** 120-277V
- **PF:** >0.9 Non-Flicker
- **Efficacy:** 130LM/W
- **Dimming:** 0-10V
- **THD:** <15%
- **CRI:** >80

Certifications

Model Specifications

Model	Length (FT)	WATTselect (W)	Lumens (LM)	Voltage (V)	CCTselect
LLSN-2FT	2FT	10W / 15W / 24W /	1,300LM / 1,950LM / 3,120LM /	120-277V	3500K / 4000K / 5000K /
LLSN-4FT	4FT	24W / 32W / 40W /	3,120LM / 4,160LM / 5,200LM /		
LLSN-8FT	8FT	40W / 52W / 64W /	5,200LM / 6,760LM / 8,320LM /		
		64W / 75W / 90W /	8,320LM / 9,750LM / 11,700LM /		

Easy Snap-On Clips
Pop on or off the light emitting assembly w/ these built-in clips for immediate access to the driver engineine or EM driver.

Smart Knockouts
Bug-proof smart knockouts ensure you have the appropriate installation zones while keeping out bugs.

Thermally Isolated Driver
Isolated for efficiency and optimal heat dissipation.

Aluminum PCB
Advanced aluminum printed chip board provides much higher heat tolerance than industry standard fiber glass.

Daisy-Chain Assembly Plate
Easy to pair multiple strip fixtures together for one continuous uniform run.

Advanced Lens
High-quality polycarbonate lens is shatter-resistant for safety and optimized for efficiency.

Ordering Guide

Model Series	WATTselect (W)	CCTselect (K)	Length (FT)	Performance	
LLSN LED Linear Strip	3W	10W / 15W / 24W	-xx	CCTselect: 3500K 4000K 5000K	-2S3	2FT	-H | -H2		High Efficacy Built-In Sensor Ready
	3W	24W / 32W / 40W		-4S3	4FT		
	3W	40W / 52W / 64W		-8S3	8FT		
	3W	64W / 75W / 90W			-HM		High Performance Max

Optional Accessories

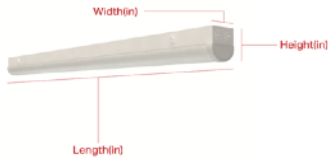| (1) Blank	(2) EM Driver		(3) Sensors	(4) Daisy Chain	(5) Mounts
None	/EM08 /EM08		EM08-CMB/48 | EM08-CMB/150	/MSM	MSM/HTI/126P1/NLC /MSM	MSM/HTI/126P1/BLS	/Vplate	V/Plate	/VJBP	V/JBP

Ordering number example:

LLSN3W-xx-4S3-H2/EM08

Please place dashes (-) in correct order.

Choose your model specifications:

LLSN			S3	H	
Model Series	Watt	Length	CCTselect	Performance	Option

Sizing & Measurements

Model Series	Length (in)	Width	Height (in)	Weight (lb)
LLSN-2FT	23.97	2.95	3.26	2.40
LLSN-4FT	48.03	2.95	3.26	3.75
LLSN-8FT	95.98	2.95	3.26	7.2

DLC Model Guide

Product ID	Length	DLC	Watt	Lumen	Efficacy	THD	PF	CCT	CRI	Voltage
S-SIPQA3	2FT	Standard	20	2,695	132.1	13.7	0.9	3500	82	120 - 277Vac
S-TP20L3	4FT	Premium	40	5,421	134.1	10.1	0.9	3500	82	120 - 277Vac
S-1CMLRV	8FT	Premium	64	8,548	134.4	11.4	0.9	3500	82	120 - 277Vac

Upgrade, Easily

Suspension Mount

Surface Mount

Daisy-Chained

Photometric
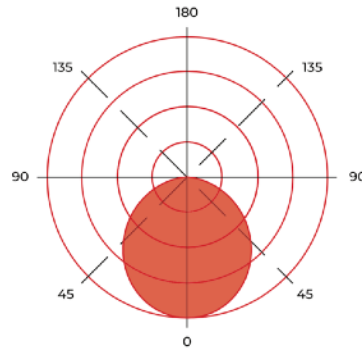
General
Beam Angle: 90°
Spacing Criterion: 1.10
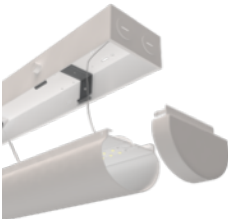
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Compatible Accessories

Category	Model No.			Sub-Assembly & Compatible Controllers
480V Stepdown Transformer	SDT-HTO/325			
EM Driver	EM08-CMB/48 *2FT, 4FT Compliant*	EM08-CMB/150 *8FT Compliant*		
Mount / J-Box Plate	LLSN-V/JBP			
Mount / Daisy-Connect Plate	LLSN-V/Plate			
Sensor / NLC Compliant Sensor	MSM/HTI/126P1/NLC			blueⒶRCH™ Controls *Technology by SILVAIR*
Sensor / Bi-Level Sensor	MSM/HTI/126P1/BLS			RM-HT/06S *Controller*
Wire / Cord Extended Length / 6FT	91603 92056 92065			
Wire / Electrical Whip				
Wire / Plug / NEMA L7-15P				
Wire Guard	LLSN-V/WG2	LLSN-V/WG4	LLSN-V/WG8	