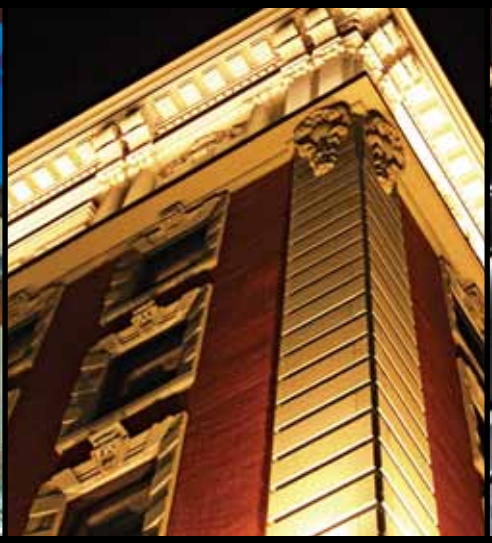
Architectural
Linear LED



Designed & Manufactured in the USA

i2Systems®
ADVANCED LED LIGHTING

Designed.
Engineered.
Manufactured.
by i2Systems.









Responding to the requirements of today's most demanding applications, i2Systems provides solid state lighting systems with uncompromising quality, timeless design and ever-advancing technology.

In-House Research & Development

With an internal team of engineers and product designers along with a dedicated R&D center, i2Systems' knowledge base stems from over a decade of design and development of LED-based products for a wide range of industries and applications.

Engineered for Quality

With the expertise of electronic, mechanical, software and optical engineering under one roof, i2Systems designs all of our LED products, including LED Fixtures, Controllers, and Power Solutions. i2Systems is one of the few LED luminaire manufacturers that designs our own LED circuit boards, controllers, and fixtures from the ground up.

Made in the USA by i2Systems

i2Systems manufactures our LED luminaires and systems from our 70,000 square foot, high-tech manufacturing facility in Connecticut. Our manufacturing process includes the assembly of our LED circuit boards and controllers via high speed automation, meaning we have absolute control over our process, schedule, and of course LED color binning, allowing us to ensure perfect color consistency. Plus, we are Buy American Compliant.

MODIFIED STANDARD & CUSTOM SOLUTIONS

If we don't have exactly what you need, contact i2Systems to design and manufacture your LED solution. Chances are we'll be able to leverage one or more of our standard products to bring your design to market quickly and at a reasonable cost.

WARRANTY & SUPPORT

i2Systems offers factory-direct warranty and application support. With i2Systems standing behind the technology, design and manufacture of our products, you can feel confident that you have chosen the right partner. If you ever have a question or problem, you talk directly to us.



SOME OF OUR INNOVATIONS

1% Low-Level Dimming

i2Systems has set the benchmark with 1% low-level dimming compatible with most brand name dimmers. Our dimming features include smooth dimming, no flicker and fixture synchronization – meaning all lights turn on and off together, even on long lighting runs for large applications.

Active Thermal Management

i2Systems Active Thermal Management is based on a complex algorithm that discreetly reduces power (and thus the LED junction temperature) upon approaching unsafe operating temperatures. LED lifetime and lumen maintenance are most affected by heat. Protect your investment.

SmartDriver™ Integrated

i2Systems SmartDriver technology is integrated directly inside of every fixture. With an onboard driver, LED output remains continuous, regardless of voltage drop, temperature or voltage fluctuations.

Consistent Color

With traceability to the exact LED bin used on each shipment, i2Systems actively manages ANSI sub-binning to ensure accurate and consistent color matching from fixture to fixture, batch to batch. In addition, exact CCT bins and CRI may be specified through special order.

Contents

FIXTURE	RELATIVE BRIGHTNESS	DIMMING	END DIMENSIONS	PAGES
V-Line® Gen2 MODEL V2355 — Rugged, Plug-Together, Wet Location	■■■■■■	◌	H: 1.97″ W: 1.56″	5 - 12
V-Line® Gen3 MODEL V3285 — Rugged High Output, Wet Location	■■■■□□	◌	H: 1.01″ W: 1.05″	13 - 18
V-Line® Gen4 MODEL V4295 — Miniature Profile, Wet Location	■■■□□□	◌	W: 0.60″ H: 0.68″	19 - 24
S-Line® MODEL S1205 — Sleek High Output, Great for Long Runs	■■■■□□	◌	W: 0.75″ H: 0.75″	25 - 30
S-Line® MODEL S2195 — High Lumen per Dollar, Great for Displays	■■■■□□		W: 0.75″ H: 0.75″	31 - 36
More LED Lighting Solutions — Other options to fit your needs				37, 38











PRODUCT CERTIFICATIONS:

c UL us · FC · ANSI · RoHS compliant: 2002/95/EC · Made in USA · IP

tel 860.567.0708 / fax 860.567.2501 / sales@i2Systems.com / www.i2Systems.com

i2Systems®

V-Line® Gen2

MODEL V2355
High Output LED Linear Luminaire, Wet Location

WHAT

An architectural-grade, wet-location LED luminaire engineered for the illumination and grazing of walls and surfaces, with perfect continuous light and plug-together design.

c UL us pending **WET LOCATION**

0 TO 100% DIMMING

WHERE



Wall Washing



Wall Grazing



Cove Lighting

WHY

A seamless band of LED light offers exceptional optical control and appearance.

Dims to 1% intensity, even over long runs. Expect smooth, flicker-free dimming performance.

Plugging fixtures together saves installation time and money.

Built-in Active Thermal Management protects your investment.





patents pending

THE ADVANTAGE OF REAL LED EXPERTISE



Beautiful Illumination & ANSI Sub-Binning

The V-Line Gen2's precise optical system provides a beautiful, continuous light beam without socket shadow. Four beam angle options ensure a solution for most any project.

With the use of premium, LM-80 illumination-grade LEDs and ANSI sub-binning, i2Systems ensures color consistency and quality of light - fixture to fixture, batch to batch and project to project.



TRIAC-Compatible, 1% & Flicker-Free Dimming

i2Systems LightLink technology dims the V-Line Gen2 to 1% intensity. Dimming interfaces include 0 to 10V Control, most leading and trailing edge TRIAC dimmers, and i2Systems standalone dimmer and sensor products.

With digital filtering onboard every fixture, expect smooth, low-level and flicker-free dimming.



Built-in Driver & High Temperature Protection

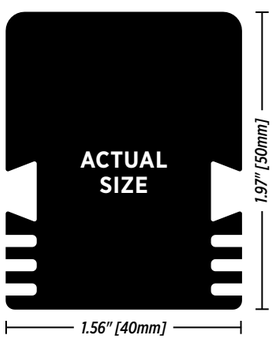
A built-in LED Driver ensures constant current regulation to the LED source, providing 100% light output even over long wire runs.

Onboard Active Thermal Management anticipates and protects against overheating by gradually dimming the Gen2 to a calculated intensity.*

**Please ensure the Gen2 is operated within its specified temperature parameters listed on page 6.*

Designed and Manufactured in the USA by i2Systems







Rugged Design, Wet Location & Plug Together

The V-Line Gen2's patent-pending connector system offers simple and continuous plug-together installation.

Premium materials and ruggedized construction include Mil-Spec anodized aluminum construction and UV-resistant acrylic lens. Gen2 luminaires are 100% leak-tested, functional-tested and burned in for 24 hours prior to shipment.

2 MODELS AVAILABLE

High Output:
- 14W / foot
- 780 lms / foot @ 3000°K
- Plug together up to 25 feet.

Standard Output:
- 7W / foot
- 390 lms / foot @ 3000°K
- Plug together up to 50 feet.

LEED & Environment

- **Energy and Atmosphere (EA)** Low Voltage for increased energy savings.
- **Innovation in Design** Thermal management and TRIAC-compatible dimmers.
- **Sustainable Sites (SS)** Targeted emitting angles reduce light pollution.
- **Indoor Environmental Quality (EQ)** Variable light output depending on occupant needs.
- **Regional Materials** Our factory in NW Connecticut is within the LEED specified 500 miles of most east coast cities.

ZERO
No Mercury, *Lead or Glass. No fragile filaments to break.*

75%
Possible energy reduction compared to traditional sources.

2
Years of typical payback of a V-Line Gen2 LED system.

50,000
Up to 50,000 hours of operation.

RoHS
All i2Systems products are RoHS compliant, an international directive banning the use of 6 hazardous materials in electronics manufacturing.

QUICK SPECS

Suitable Environments	Dry Damp Wet
Watts	14W per ft HO, 7W per ft SO
Input Voltage	24V DC
Operating Temp	-20°C to 40°C
Max Case Temp (Tc)	50°C
Humidity	0 to 95% Non-Condensing

Available LED Colors

Warm White *Neutral White* *Cool White*

°K

See Next Page *for all available CCTs*

Available Lengths

12" *18"* *24"* *36"* *48"*

Beam Angles

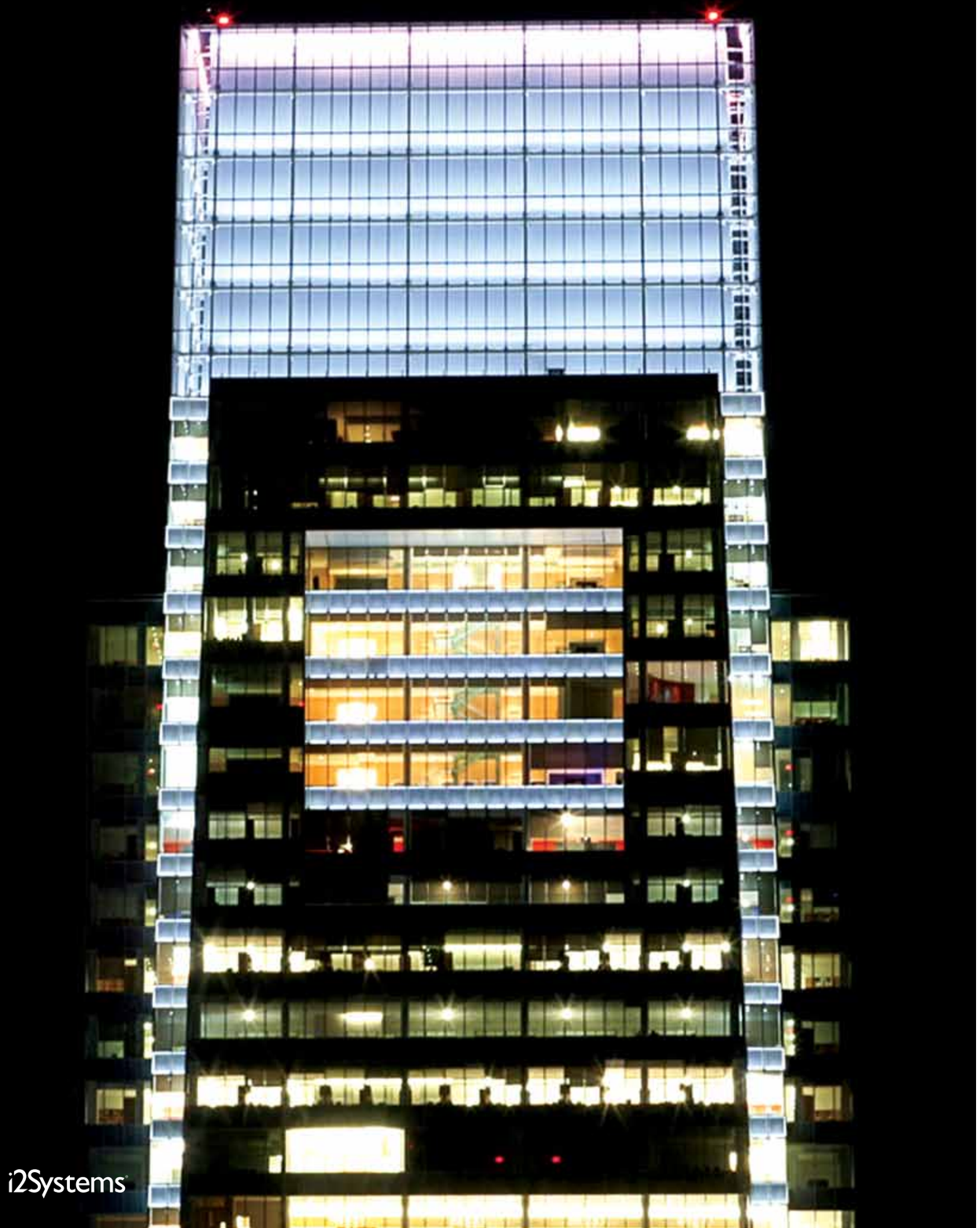
10° *30°* *65°* *82°*

Certifications

c UL us pending **WET LOCATION** cUL Wet Location Listed for US & Canada

FC ANSI RoHS compliant 2002/95/EC IP66

Next Page
- *LM-79 Example*
- *Fixture Features*
- *Ordering Information & Accessories*



V-Line® Gen2 MODEL V2355

High Output LED Linear Luminaire, Wet Location

Specifications

LM-79 Photometric Test Results

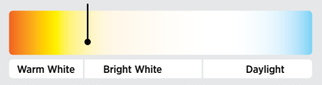
48", 10°, 3000°K Warm White, Gen2 HO Fixture

Additional LM79 and IES data is available at i2Systems.com

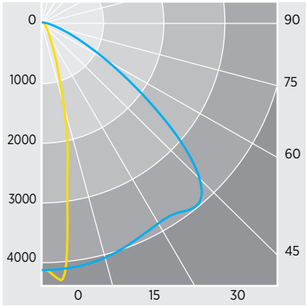


Light Output (Lumens)	3116 lms
Watts	55.12
Lumens per Watt (Efficacy)	56.5 lms
Color Accuracy (CRI)	81.5

Light Color (CCT) 3094K



Polar Candela Distribution



Illuminance at Distance

Mounting Height (ft)	*fc* @ Center Beam	Diameter of Lighted Plane (ft)
4.0 ft	259 *fc*	2.27 ft
6.0 ft	115 *fc*	3.41 ft
8.0 ft	64.9 *fc*	4.55 ft
10.0 ft	41.5 *fc*	5.68 ft
12.0 ft	28.8 *fc*	6.82 ft
14.0 ft	21.2 *fc*	7.96 ft
16.0 ft	16.2 *fc*	9.09 ft

Multiplier Table	**3000°K**	**4100°K**	**5700°K**
High Output		x1.05	x1.10
Standard Output	x.50	x.50	x.55

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

Features

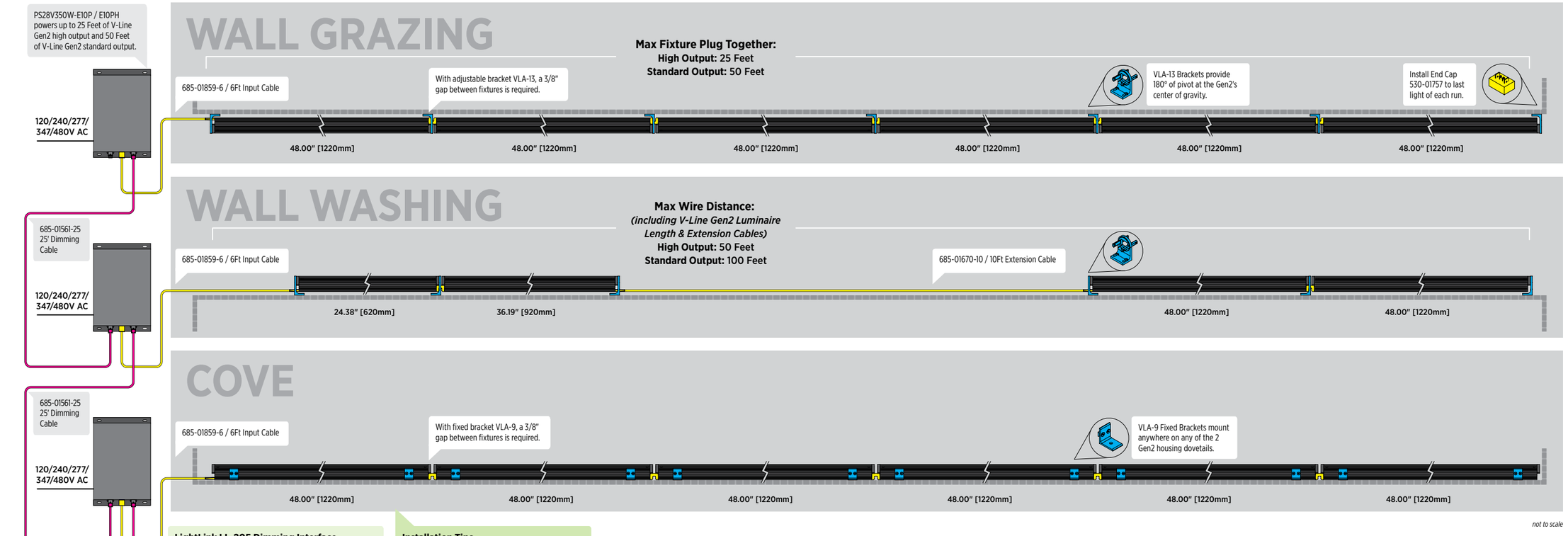
1. **Durable aluminum housing** with Mil-Spec anodized finish. Aluminum housing provides protection and dispersion of heat for increased fixture lifespan.
2. **Precision optical system** for optimized light output with high-quality, optic-grade acrylic.
3. **Silicone gasket** to ensure a long life seal.
4. **Weep holes** prevent water from pooling on the fixture.
5. **Plug-Together connectors** allow continuous runs up to 25 feet High Output, 50 feet Standard Output.
6. **Integrated LED drivers** maximize circuit efficiency and limit the effect of voltage drop.
7. **Versatile mounting options** utilize dovetail extrusion design. Adjustable mounting brackets allow for on-site fine tuning of the fixture.



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i2Systems

Installation Examples



not to scale

LightLink LL-205 Dimming Interface (optional)

The LL-205 reads and buffers conventional dimming signals, offering unmatched flexibility and precision.

Dimming interfaces include:

- 0 to 10V (Sink or Source)
- Leading or Trailing Edge TRIAC
- Standalone Dimming Buttons w/ LED Bar Graph

Up to 5 power boxes may be connected to a single LL-205. Maximum wire distance between the LL-205 and the last power box connected is 300 feet.

Omit LL-205 and dimming cables for non-dimming installations.

As configured in this diagram, all lights shown will dim together.

i2Systems vs. Typical LED TRIAC Dimming

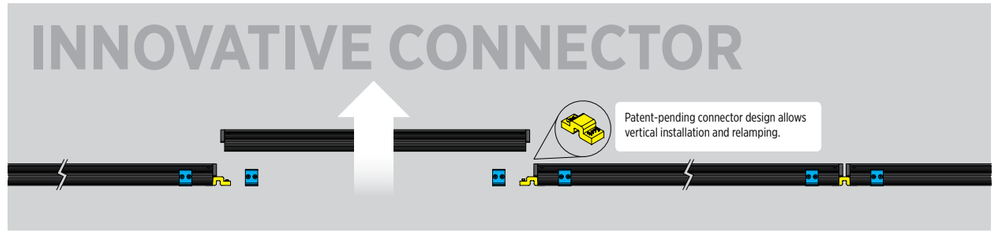
- Dim to 1% Intensity
- Flicker-free, even at low levels
- No minimum power load required
- Maintains power factor, even when dimmed
- Light levels are unaffected by voltage drop

i2Systems vs. Typical LED Digital Dimming

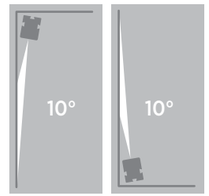
- Use your own dimmer
- No software or setup required
- Low cost of deployment

Installation Tips

- Use longer luminaires (i.e. 48") wherever possible to save on installation costs.
- For exterior installations, install lights away from any run-off or areas where water can collect or puddle.
- Use adjustable brackets when possible. Adjustability after installation can be helpful for fine tuning.



Reference Luminaire Orientation



V-Line® Gen2 MODEL V2355
High Output LED Linear Luminaire, Wet Location
Installation



V-Line® Gen2 MODEL V2355

High Output LED Linear Luminaire, Wet Location

i2Systems® ADVANCED LED LIGHTING

PROJECT NAME

NOTES

ORDERING EXAMPLE V2355A - 2 6 CAB

- ***Blank*** **– Outdoor Model**
- **Warm White 3000°K LED**
- **65 Degree Beam Angle**
- **24″ Length**
- **High Output 14W/ft**

ORDERING NUMBER

V2355 — Fixture Type

Output	Length	Beam Angle	LED Color	Location
A High 14W/ft	**1** 12″	**1** 10°	**AAH** Cool White – 6500°K	**I** Indoor
B Standard 7W/ft	**8** 18″	**3** 30°	**AAG** ***Cool White – 5700°K****	***(Blank)*** Outdoor
	2 24″	**6** 65°	**AAF** Cool White – 5000°K	
	3 36″	**8** 82°	**BAE** Neutral White – 4500°K	*Fixtures not marked with a capital "i" are outdoor rated*
	4 48″		**BAD** ***Neutral White – 4100°K****	
			CAC Warm White – 3500°K	
			CAB ***Warm White – 3000°K****	
			CAA Warm White – 2700°K	

■ FIXED FACTORY NUMBER
☐ **USER SELECTED OPTION**

Clear anodized finish also available.
Call us for ordering information.

****Factory Standard***
5700°, 4100° and 3000° are factory standard CCTs. Other temperatures may require additional lead time.

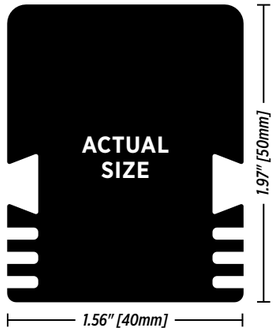
High CRI Available
Call us for details and ordering information. High CRI may require additional lead time.

LUMINAIRE LENGTHS

Indoor / Outdoor Rated

12.57″ [320mm]
18.47″ [470mm]
24.38″ [620mm]
36.19″ [920mm]
48.00″ [1220mm]

END DIMENSIONS



CERTIFICATIONS

c UL us pending — **WET LOCATION** cUL Wet Location Listed for US & Canada

FC ANSI RoHS compliant Made in USA — **IP66**

*Wet location applies to product specified as "Outdoor" rated. Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronics grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity ratings and/or applications where product is subject to water runoff or downspouts.

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This page may be copied and used as a fixture spec. Specifications are subject to change. Contact i2Systems with any questions or concerns. Refer to product datasheet for full specifications, available online at www.i2Systems.com

Build your System

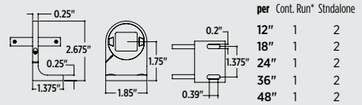
We offer a full range of accessories that make installing our fixtures easy and effective. All have been designed to be plug n' play with our fixtures, reducing installation time and cost.

MOUNTING BRACKETS



VLA-13 Adjustable

Aluminum adjustable mounting bracket with stainless steel screws. 180° of On-Center Rotation.



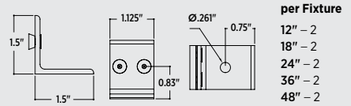
per	Cont. Run*	Stndalone
12″	1	2
18″	1	2
24″	1	2
36″	1	2
48″	1	2

*First and last fixtures on continuous run require 2 brackets. See page 10 for illustration.



VLA-9 Fixed

Aluminum mounting bracket with stainless steel screws. Mates with dovetail slots on Gen2.



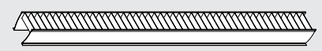
per Fixture	
12″	2
18″	2
24″	2
36″	2
48″	2

OPTICAL

Optical Accessories

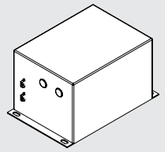
Options include a full range of louvers, reflectors, diffusers, and filters, some or all of which may be customized for your project.

Contact i2Systems for more details.



POWER BOXES

Plug n' Play Ready

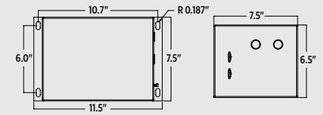


PS28V350W-E10P / E10PH

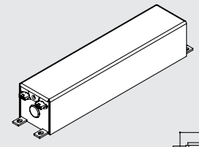
Powers up to 25 feet of V-Line Gen2 High Output and 50 feet of V-Line Gen 2 Standard Output. Plug n' Play Wiring. cULus Listed.

A wet location model is available.

- *E10P Model accepts 120/240V AC*
- *E10PH Model accepts 240/277/347/480V AC*



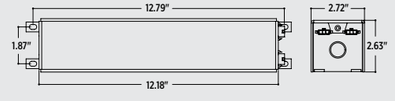
Plug n' Play Ready



PS24V75W-E05P

Powers up to 5 feet of V-Line Gen2 High Output and 10 feet of the V-Line Gen2 Standard Output. Plug n' Play Wiring. Accepts 120/240/277V AC. cULus Listed.

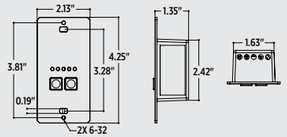
A wet location model is available.



Power boxes may be remote-mounted. Refer to installation diagram on page 9 for details.

LIGHTLINK™ DIMMERS





LightLink LL-205-10V

Dims up to 5 Power Boxes using a 0 to 10V Dimming Input (sink or source) per IEC 60929:2006 Annex E.

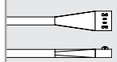
LightLink LL-205-TRIAC

Dims up to 5 Power Boxes by reading and buffering most any leading & trailing edge incandescent dimmer.

Both models include onboard dimming buttons w/ LED bargraph indicator for standalone dimming.

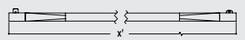
CONNECTOR ACCESSORIES

Power Extension Cables

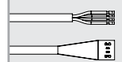


1 ft: 685-01670-1
3 ft: 685-01670-3
10 ft: 685-01670-10

Power extension cables with dual waterproof plugs.

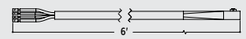


Power Input Cables



685-01859-6

6 ft power input cable for hard-wire or connection to power box.

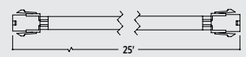


Dimming Cable

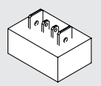


685-01561-25

25 ft dimming cable for plugging between power boxes and/or LightLink dimmers.



End Plug



530-01757

One end plug is required for the last fixture of each run.

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This page may be copied and used as a fixture spec. Specifications are subject to change. Contact i2Systems with any questions or concerns. Refer to product datasheet for full specifications, available online at www.i2Systems.com

V-Line® Gen3

MODEL V3285
High Output LED Linear Luminaire, Wet Location

WHAT

An architectural grade, wet location LED luminaire engineered for the illumination and grazing of walls, coves and other surfaces that require precise optical control.

c UL us WET LOCATION

0 TO 100% DIMMING

WHERE



Wall Washing



Wall Grazing



Cove Lighting

WHY

A small profile and precise optical control offer unmatched versatility and design.

Dims to 1% intensity, even over long runs.
Expect smooth, flicker-free dimming performance.

Built-in Active Thermal Management protects your investment.





patents pending

THE ADVANTAGE OF REAL LED EXPERTISE



Beautiful Illumination & ANSI Sub-Binning

The V-Line Gen3's precise optical system provides a beautiful, continuous light beam without socket shadow. Four beam angle options ensure a solution for most any project.

With the use of premium, LM-80 illumination-grade LEDs and ANSI sub-binning, i2Systems ensures color consistency and quality of light - fixture to fixture, batch to batch and project to project.



TRIAC-Compatible, 1% & Flicker-Free Dimming

i2Systems LightLink technology dims the V-Line Gen3 to 1% intensity. Dimming interfaces include 0 to 10V Control, most leading and trailing edge TRIAC dimmers, and i2Systems standalone dimmer and sensor products.

With digital filtering onboard every fixture, expect smooth, low-level and flicker-free dimming.



Built-in Driver & High Temperature Protection

A built-in LED Driver ensures constant current regulation to the LED source, providing 100% light output even over long wire runs.

Onboard Active Thermal Management anticipates and protects against overheating by gradually dimming the Gen3 to a calculated intensity.*

**Please ensure the Gen3 is operated within its specified temperature parameters listed on page 14.*



Rugged Design, Wet Location

Premium materials and ruggedized construction include Mil-Spec anodized aluminum construction and UV-resistant acrylic lens. Gen3 luminaires are 100% leak-tested, functional-tested and burned in for 24 hours prior to shipment.

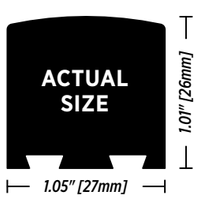
Waterproof Plug n' Play connector option available for continuous runs.

INDOOR LIGHTING TIP

Along with its long list of exterior credentials, the V-Line Gen3 is also a premium selection for interior applications that demand the best beam quality and the widest range of optic options.

Designed and Manufactured in the USA by i2Systems





LEED & Environment

- **Energy and Atmosphere (EA)**
  Low Voltage for increased energy savings.
- **Innovation in Design**
  Thermal management and TRIAC-compatible dimmers.
- **Sustainable Sites (SS)**
  Targeted emitting angles reduce light pollution.
- **Indoor Environmental Quality (EQ)**
  Variable light output depending on occupant needs.
- **Regional Materials**
  Our factory in NW Connecticut is within the LEED specified 500 miles of most east coast cities.

ZERO
No Mercury, *Lead or Glass. No fragile filaments to break.*

75%
Possible energy reduction compared to traditional sources.

2
Years of typical payback of a V-Line Gen3 LED system.

50,000
Up to 50,000 hours of operation.

RoHS
All i2Systems products are RoHS compliant, an international directive banning the use of 6 hazardous materials in electronics manufacturing.

QUICK SPECS

Suitable Environments	Dry Damp Wet
Watts	8W per ft
Input Voltage	24V DC
Operating Temp	-20°C to 40°C
Max Case Temp (Tc)	50°C
Humidity	0 to 95% Non-Condensing

Available LED Colors

Warm White *Neutral White* *Cool White*

individual colors, no RGB color mix
Green *Red* *Blue*

°K

See Next Page
for all available CCTs

Available Lengths

12"
18"
24"
36"
48"

Beam Angles

30° 45° 65° 82°

Certifications

c UL us **WET LOCATION**
cUL Wet Location Listed for US & Canada

FC ANSI RoHS IP66

Next Page
- *LM-79 Example*
- *Fixture Features*
- *Ordering Information & Accessories*

LM-79 Photometric Test Results **42", 65°, 3000°K Warm White Gen3 Fixture**

Additional LM79 and IES data is available at i2Systems.com



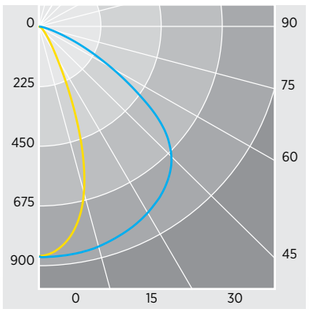
Light Output (Lumens)	940.9 lms
Watts	27.1
Lumens per Watt (Efficacy)	34.7 lms
Color Accuracy (CRI)	78.1

Light Color (CCT) 3006K

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Polar Candela Distribution



Illuminance at Distance

Mounting Height (ft)	*fcd* @ Center Beam	Diameter of Lighted Plane (ft)
4.0 ft	54.1 *fc*	3.4 ft
6.0 ft	24.0 *fc*	5.1 ft
8.0 ft	13.5 *fc*	6.8 ft
10.0 ft	8.7 *fc*	8.5 ft
12.0 ft	6.0 *fc*	10.2 ft
14.0 ft	4.4 *fc*	11.9 ft
16.0 ft	3.4 *fc*	13.6 ft

Multiplier Table	3000°K	4100°K	5700°K
Standard Output		x1.05	x1.10

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



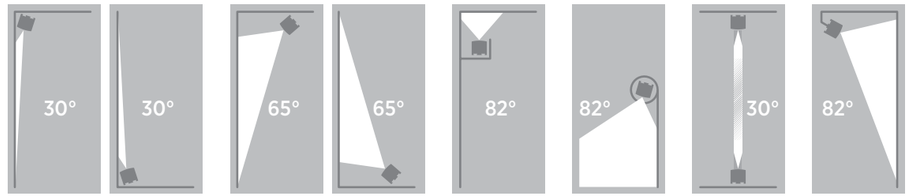
Features

1. **Durable, lightweight aluminum housing** with Mil-Spec anodized finish. Aluminum housing provides protection and dispersion of heat for increased fixture lifespan.
2. **Precision optical system** for optimized light output with high-quality, optic-grade acrylic.
3. **Silicone gasket** to ensure a long life seal.
4. **Weep Holes** prevent water from pooling on the fixture.
5. **Integrated LED drivers** maximize circuit efficiency and limit the effect of voltage drop.
6. **Exclusive end cap** with four directional wire ways to streamline installation. Outdoor version is aluminum.



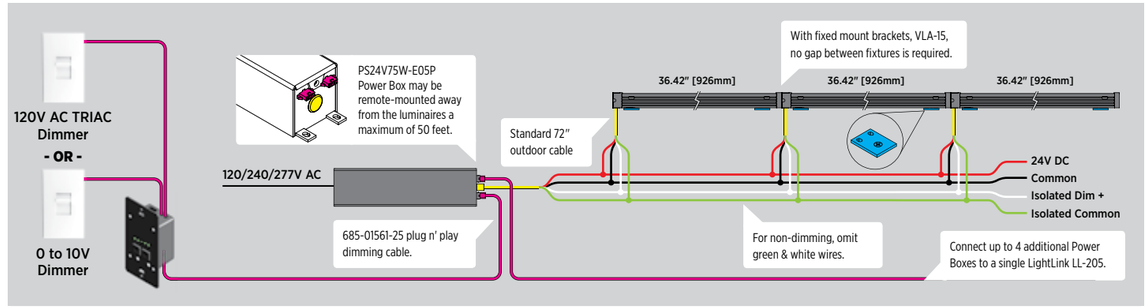
7. **Versatile mounting options** utilize dovetail extrusion design. Adjustable mounting brackets allow for on-site fine tuning of the fixture.
8. **72" Outdoor Cable** with waterproof plug option.

Reference Luminaire Orientation



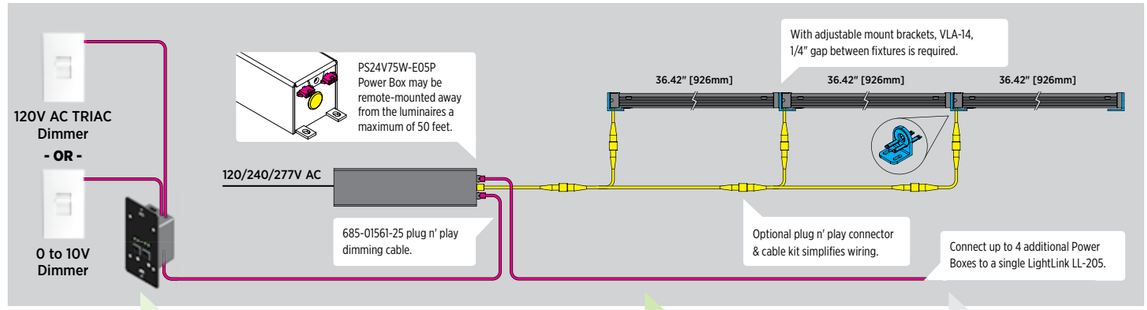
Wall Grazing | Wall Washing | Cove | Handrail | Edge Light | Sign Light

Hardwire Installation Example



not to scale

Plug n' Play Installation Example (Optional)



LightLink LL-205 Dimming Interface (optional)

The LL-205 reads and buffers conventional dimming signals, offering unmatched flexibility and precision.

Dimming interfaces include:

- 0 to 10V (Sink or Source)
- Leading or Trailing Edge TRIAC
- Standalone Dimming Buttons w/ LED Bar Graph

Up to 5 power boxes may be connected to a single LL-205. Maximum wire distance between the LL-205 and the last power box connected is 300 feet.

Omit LL-205 and dimming cables for non-dimming installations.

i2Systems vs. Typical LED TRIAC Dimming

- Dim to 1% Intensity
- Flicker-free, even at low levels
- No minimum power load required
- Maintains power factor, even when dimmed
- Light levels are unaffected by voltage drop

i2Systems vs. Typical LED Digital Dimming

- Use your own dimmer
- No software or setup required
- Low cost of deployment

Installation Tips

- Use longer luminaires (i.e. 48") wherever possible to save on installation costs.
- For exterior installations, install lights away from any run-off or areas where water can collect or puddle.
- Use adjustable brackets when possible. Adjustability after installation can be helpful for fine tuning.

Mount fixtures end-to-end. End cap allows side, bottom, or straight wire exit. Use side or bottom exit to enable continuous runs.

LED spacing is continuous, and it is not necessary to stagger or overlap fixtures to maintain an even beam.

Contact us to specify a plug n' play solution for your project.



V-Line® Gen3 MODEL V3285

High Output LED Linear Luminaire, Wet Location

i2Systems® ADVANCED LED LIGHTING

PROJECT NAME

NOTES

ORDERING EXAMPLE V3285A - 2 6 CBB

- ***Blank*** **– Outdoor Model**
- **Warm White 3000°K LED**
- **65 Degree Beam Angle**
- **24″ Length**

ORDERING NUMBER

V3285A-

Fixture Type

Length

1	12″
8	18″
2	24″
3	36″
4	48″

Beam Angle

3	30°
4	45°
6	65°
8	82°

LED Color

AAH	Cool White – 6500°K
AAG	***Cool White – 5700°K****
AAF	Cool White – 5000°K
BBE	Neutral White – 4500°K
BBD	***Neutral White – 4100°K****
CBC	Warm White – 3500°K
CBB	***Warm White – 3000°K****
CBA	Warm White – 2700°K
D	Green
E	Blue
H	Red

Location

I	Indoor
(Blank)	Outdoor

Fixtures not marked with a capital "i" are outdoor rated

FIXED FACTORY NUMBER

USER SELECTED OPTION

Clear anodized finish also available.
Call us for ordering information.

***Factory Standard**
5700°, 4100° and 3000° are factory standard CCTs. Other temperatures may require additional lead time.

High CRI Available
Call us for details and ordering information. High CRI may require additional lead time.

LUMINAIRE LENGTHS

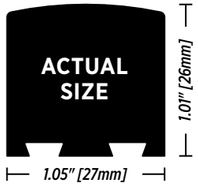
Outdoor Rated

12.42″ [316mm]
18.42″ [468mm]
24.42″ [621mm]
36.42″ [926mm]
48.42″ [1230mm]

Indoor Rated

12.27″ [312mm]
18.27″ [464mm]
24.27″ [617mm]
36.27″ [922mm]
48.27″ [1226mm]

END DIMENSIONS



CERTIFICATIONS

c UL us **WET LOCATION*** cUL Wet Location Listed for US & Canada

FC ANSI RoHS compliant: electronics Made in USA **IP66**

*Wet location applies to product specified as "Outdoor" rated. Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronics grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity ratings and/or applications where product is subject to water runoff or downspouts.

This page may be copied and used as a fixture spec. Specifications are subject to change. Contact i2Systems with any questions or concerns. Refer to product datasheet for full specifications, available online at www.i2Systems.com

Build your System

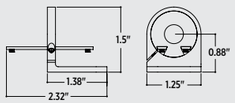
We offer a full range of accessories that make installing our fixtures easy and effective. All have been designed to be plug n' play with our fixtures, reducing installation time and cost.

MOUNTING BRACKETS



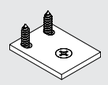
VLA-14 Adjustable

Aluminum adjustable mounting bracket with stainless steel screws. 180° of On-Center Rotation.



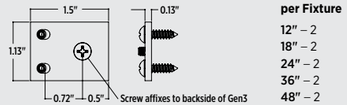
per	Cont. Run*	Stndalone
12″	1	2
18″	1	2
24″	1	2
36″	1	2
48″	1	2

*First and last fixtures on continuous run require 2 brackets. See page 16 for illustration.

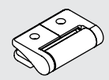


VLA-15 Fixed

Fixed aluminum mounting bracket with stainless steel screws. Installs to back side of the fixture.

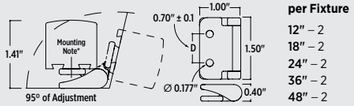


per Fixture
12″ – 2
18″ – 2
24″ – 2
36″ – 2
48″ – 2



VLA-5 Adjustable

Die-Cast zinc adjustable mounting bracket with stainless steel screws. Installs to back side of the fixture.

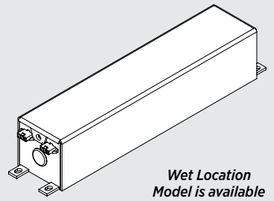


per Fixture
12″ – 2
18″ – 2
24″ – 2
36″ – 2
48″ – 2

*The VLA-5 is attached to the light using one #8 screw (supplied) per bracket

POWER BOXES

Plug n' Play Ready

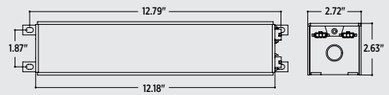


Wet Location Model is available

PS24V75W-E05P

Powers up to 10 feet of V-Line Gen3. Plug n' Play Wiring. Accepts 120/240/277V AC. cULus Listed.

Power box may be remote-mounted. See Page 16.

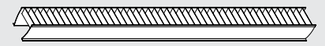


OPTICAL

Optical Accessories

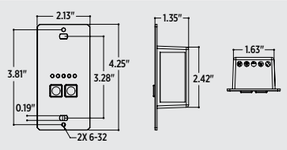
Options include a full range of louvers, reflectors, diffusers, and filters, some or all of which may be customized for your project.

Contact i2Systems for more details.



LIGHTLINK™ DIMMERS





LightLink LL-205-10V

Dims up to 5 Power Boxes using a 0 to 10V Dimming Input (sink or source) per IEC 60929:2006 Annex E.

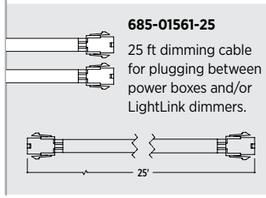
LightLink LL-205-TRIAC

Dims up to 5 Power Boxes by reading and buffering most any leading & trailing edge incandescent dimmer.

Both models include onboard dimming buttons w/ LED bargraph indicator for standalone dimming.

CONNECTOR ACCESSORIES

Dimming Cable



685-01561-25

25 ft dimming cable for plugging between power boxes and/or LightLink dimmers.

Contact us for a wide range of indoor and outdoor plug-together options, including but not limited to those shown on page 16.

This page may be copied and used as a fixture spec. Specifications are subject to change. Contact i2Systems with any questions or concerns. Refer to product datasheet for full specifications, available online at www.i2Systems.com

V-Line® Gen4

MODEL V4295

Miniature High Output LED Linear Luminaire, Wet Location





WHAT

A small yet high-performance, exterior-rated linear LED luminaire specifically engineered for cove, handrail and display lighting applications.

c UL us WET LOCATION

0 TO 100% DIMMING

WHERE



Cove Lighting



Wall Washing



Handrail Lighting

WHY

An incredibly small profile, high output, and wet location rating offers the ultimate in design flexibility.

Tight LED spacing, consistent LED color, and 1% dimming are perfect for narrow coves.

Fits into most handrails with uniform illumination, even over long runs.

Built-in Active Thermal Management protects your investment.

THE ADVANTAGE OF REAL LED EXPERTISE



Tight LED Spacing, Small Size & ANSI Sub-Binning

The V-Line Gen4's incredibly small cross-section and tight 1" LED spacing enables high output illumination in very small spaces.

With ANSI sub-binning, LED color temperature from LED to LED, fixture to fixture remains consistent – even in narrow cove applications. With a wide lateral throw, adjacent fixtures create continuous light without socket shadow, which eliminates the need for staggering.

The Gen4 is manufactured with LM-80, illumination-grade LEDs.



TRIAC-Compatible, 1% & Flicker-Free Dimming

i2Systems LightLink technology dims the V-Line Gen4 to 1% intensity. Dimming interfaces include 0 to 10V Control, most leading and trailing edge TRIAC dimmers, and i2Systems standalone dimmer and sensor products.

With digital filtering onboard every fixture, expect smooth, low-level and flicker-free dimming.



Built-in Driver & High Temperature Protection

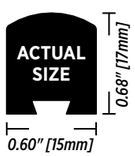
A built-in LED Driver ensures constant current regulation to the LED source, providing 100% light output even over long wire runs.

Onboard Active Thermal Management anticipates and protects against overheating by gradually dimming the Gen4 to a calculated intensity.*

**Please ensure the Gen4 is operated within its specified temperature parameters listed on page 20.*

Designed and Manufactured in the USA by i2Systems





Rugged Design, Wet Location

Premium materials and ruggedized construction include Mil-Spec anodized aluminum construction and UV-resistant acrylic lens. Gen4 luminaires are 100% leak-tested, functional-tested and burned in for 24 hours prior to shipment.

Waterproof Plug n' Play connector option available for continuous runs.

INDOOR LIGHTING TIP

In addition to exterior lighting, the V-Line Gen4 offers exceptional interior cove and retail/display lighting performance. Simply specify "-I" on your order code for the indoor model.

LEED & Environment

- **Energy and Atmosphere (EA)** Low Voltage for increased energy savings.
- **Innovation in Design** Thermal management and TRIAC-compatible dimmers.
- **Sustainable Sites (SS)** Targeted emitting angles reduce light pollution.
- **Indoor Environmental Quality (EQ)** Variable light output depending on occupant needs.
- **Regional Materials** Our factory in NW Connecticut is within the LEED specified 500 miles of most east coast cities.

ZERO
No Mercury, *Lead or Glass. No fragile filaments to break.*

75%
Possible energy reduction compared to traditional sources.

2
Years of typical payback of a V-Line Gen4 LED system.

50,000
Up to 50,000 hours of operation.

RoHS
All i2Systems products are RoHS compliant, an international directive banning the use of 6 hazardous materials in electronics manufacturing.

patents pending

QUICK SPECS

Suitable Environments	Dry Damp Wet
Watts	5W per ft
Input Voltage	24V DC
Operating Temp	-20°C to 40°C
Max Case Temp (Tc)	50°C
Humidity	0 to 95% Non-Condensing

Available LED Colors

Warm White *Neutral White* *Cool White*

°K

See Next Page *for all available CCTs*

Available Lengths

11" *16"* *22"* *32"* *42"* *48"*

Beam Angles

65°

Certifications

c UL us **WET LOCATION** cUL Wet Location Listed for US & Canada

FC ANSI RoHS IP66

Next Page
- *LM-79 Example*
- *Fixture Features*
- *Ordering Information & Accessories*

LM-79 Photometric Test Results **42", 65°, 3000°K Warm White Gen4 Fixture**

Additional LM79 and IES data is available at i2Systems.com



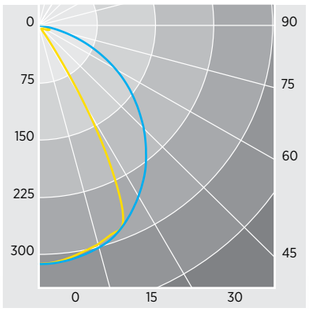
Light Output (Lumens)	480.7 lms
Watts	17.7
Lumens per Watt (Efficacy)	27.2 lms
Color Accuracy (CRI)	85.7

Light Color (CCT) 2906K

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Polar Candela Distribution



Illuminance at Distance

Mounting Height (ft)	*fcd* @ Center Beam	Diameter of Lighted Plane (ft)
4.0 ft	19.5 *fc*	4.4 ft
6.0 ft	8.7 *fc*	6.6 ft
8.0 ft	4.9 *fc*	8.8 ft
10.0 ft	3.1 *fc*	11.0 ft
12.0 ft	2.2 *fc*	13.2 ft
14.0 ft	1.6 *fc*	15.4 ft
16.0 ft	1.2 *fc*	17.6 ft

Multiplier Table	**3000°K**	**4100°K**	**5700°K**
Standard Output		x1.10	x1.20

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



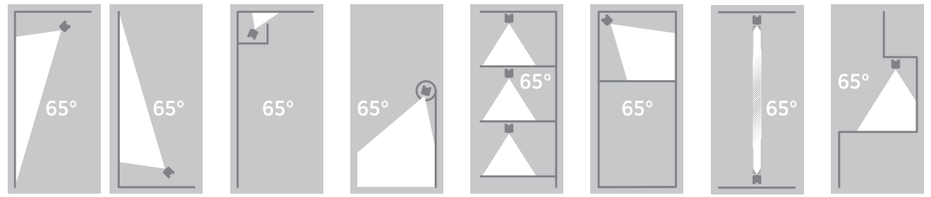
Features

1. **Durable, lightweight aluminum housing** with Mil-Spec anodized finish. Aluminum housing provides protection and dispersion of heat for increased fixture lifespan.
2. **Precision optical system** for optimized light output with high-quality, optic-grade acrylic.
3. **Silicone gasket** to ensure a long life seal.
4. **Integrated LED drivers** maximize circuit efficiency and limit the effect of voltage drop.
5. **Exclusive end cap** with four directional wire ways to streamline installation. Outdoor version is aluminum.



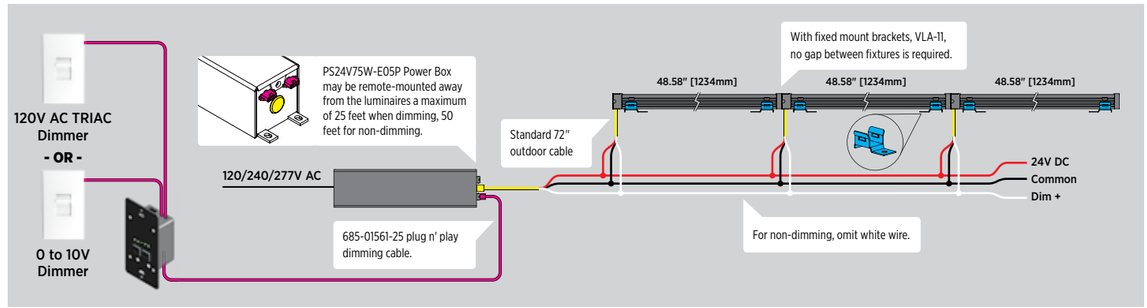
6. **Versatile mounting options** utilize dovetail extrusion design. Adjustable mounting brackets allow for on-site fine tuning of the fixture.
7. **72" Outdoor Cable** with waterproof plug option.

Reference Luminaire Orientation



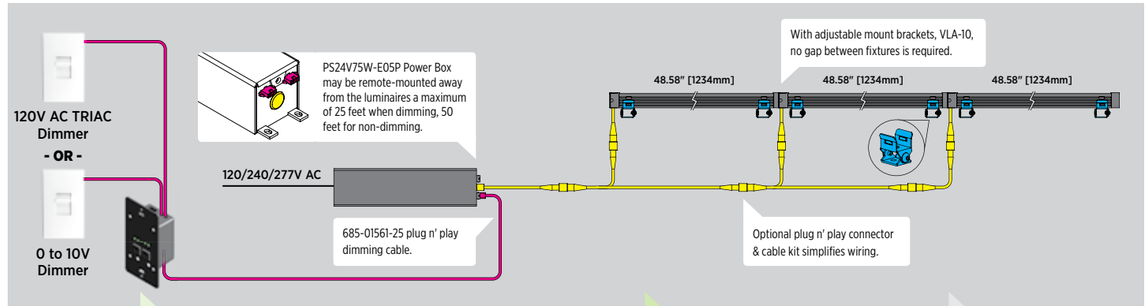
Wall Washing | Tight Cove | Handrail | Shelf | Display Case | Edge Light | Under Cabinet

Hardwire Installation Example



not to scale

Plug n' Play Installation Example (Optional)



LightLink LL-205 Dimming Interface (optional)

The LL-205 reads and buffers conventional dimming signals, offering unmatched flexibility and precision.

Dimming interfaces include:

- 0 to 10V (Sink or Source)
- Leading or Trailing Edge TRIAC
- Standalone Dimming Buttons w/ LED Bar Graph

Maximum wire distance between the LL-205 and the power box is 300 feet. For the V-Line Gen4 product, use one LL-205 per Power Box.

Omit LL-205 and dimming cables for non-dimming installations.

i2Systems vs. Typical LED TRIAC Dimming

- Dim to 1% Intensity
- Flicker-free, even at low levels
- No minimum power load required
- Maintains power factor, even when dimmed
- Light levels are unaffected by voltage drop

i2Systems vs. Typical LED Digital Dimming

- Use your own dimmer
- No software or setup required
- Low cost of deployment

Installation Tips

- Use longer luminaires (i.e. 48") wherever possible to save on installation costs.
- For exterior installations, install lights away from any run-off or areas where water can collect or puddle.
- Use adjustable brackets when possible. Adjustability after installation can be helpful for fine tuning.

Mount fixtures end-to-end. End cap allows side, bottom, or straight wire exit. Use side or bottom exit to enable continuous runs.

LED spacing is continuous, and it is not necessary to stagger or overlap fixtures to maintain an even beam.

Contact us to specify a plug n' play solution for your project.



V-Line® Gen4 MODEL V4295

Miniature High Output LED Linear Luminaire, Wet Location

i2Systems® ADVANCED LED LIGHTING

PROJECT NAME

NOTES

ORDERING EXAMPLE V4295A - 4 6 BBD I

- Indoor Model
- Neutral White 4100°K LED
- 65 Degree Beam Angle
- 42″ Length

ORDERING NUMBER

V4295A-

Fixture Type

Length

1	11″
8	16″
2	22″
3	32″
4	42″
5	48″

Beam Angle

6	65°

LED Color

AAH	Cool White – 6500°K
AAG	***Cool White – 5700°K****
AAF	Cool White – 5000°K
BBE	Neutral White – 4500°K
BBD	***Neutral White – 4100°K****
CBC	Warm White – 3500°K
CBB	***Warm White – 3000°K****
CBA	Warm White – 2700°K

Location

I	Indoor
(Blank)	Outdoor

Fixtures not marked with a capital "I" are outdoor rated

FIXED FACTORY NUMBER

USER SELECTED OPTION

Clear anodized finish also available.
Call us for ordering information.

***Factory Standard**
5700°, 4100° and 3000° are factory standard CCTs. Other temperatures may require additional lead time.

High CRI Available
Call us for details and ordering information. High CRI may require additional lead time.

LUMINAIRE LENGTHS

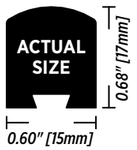
Outdoor Rated

- **11.16″** [284mm]
- **16.41″** [417mm]
- **21.66″** [551mm]
- **32.16″** [817mm]
- **42.66″** [1084mm]
- **48.58″** [1234mm]

Indoor Rated

- **10.97″** [279mm]
- **16.22″** [412mm]
- **21.47″** [546mm]
- **31.97″** [813mm]
- **42.47″** [1079mm]
- **48.58″** [1234mm]

END DIMENSIONS



CERTIFICATIONS

c UL us **WET LOCATION***
cUL Wet Location Listed for US & Canada

FC ANSI RoHS compliant, exempted Made in USA IP66

*Wet location applies to product specified as "Outdoor" rated. Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronics grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity ratings and/or applications where product is subject to water runoff or downspouts.

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Build your System

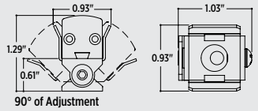
We offer a full range of accessories that make installing our fixtures easy and effective. All have been designed to be plug n' play with our fixtures, reducing installation time and cost.

MOUNTING BRACKETS

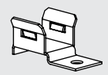


VLA-10 Adjustable

Stainless steel adjustable mounting bracket with stainless steel screws. Installs to back side of the fixture.

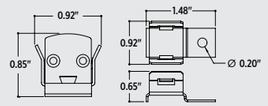


per Fixture
11″ – 2
16″ – 2
22″ – 2
32″ – 2
42″ – 2
48″ – 2

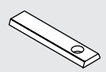


VLA-11 Fixed

Stainless steel fixed mounting bracket with stainless steel screws. Installs to back side of the fixture.

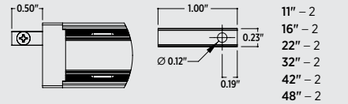


per Fixture
11″ – 2
16″ – 2
22″ – 2
32″ – 2
42″ – 2
48″ – 2



VLA-6 End Mount Fixed

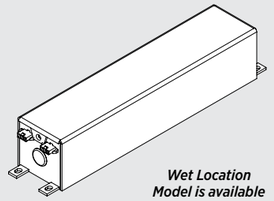
Fixed aluminum mounting bracket with stainless steel screws. Mates with dovetail slots on fixture ends.



per Fixture
11″ – 2
16″ – 2
22″ – 2
32″ – 2
42″ – 2
48″ – 2

POWER BOXES

Plug n' Play Ready

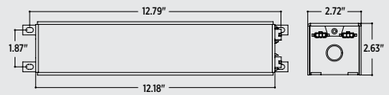


Wet Location Model is available

PS24V75W-E05P

Powers up to 16 feet of V-Line Gen4. Plug n' Play Wiring. Accepts 120/240/277V AC. cULus Listed.

Power box may be remote-mounted. See Page 22.

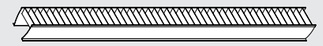


OPTICAL

Optical Accessories

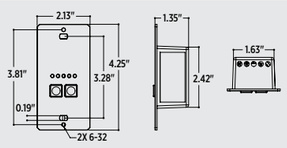
Includes a full range of louvers, reflectors, diffusers, and filters, some or all of which may be customized for your project.

Contact i2Systems for more details.



LIGHTLINK™ DIMMERS





LightLink LL-205-10V

Dims using a 0 to 10V Dimming Input (sink or source) per IEC 60929:2006 Annex E.

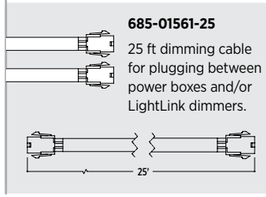
LightLink LL-205-TRIAC

Dims by reading and buffering most any leading & trailing edge incandescent dimmer.

Both models include onboard dimming buttons w/ LED bargraph indicator for standalone dimming.

CONNECTOR ACCESSORIES

Dimming Cable



685-01561-25

25 ft dimming cable for plugging between power boxes and/or LightLink dimmers.

Contact us for a wide range of indoor and outdoor plug-together options, including but not limited to those shown on page 22.

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S-Line® MODEL S1205
High Output LED Linear Luminaire

WHAT

A commercial-grade, highly versatile interior linear LED luminaire suitable for the illumination of walls, cove, displays and similar surfaces.

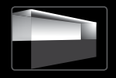
c UL us

0 TO 100% DIMMING

WHERE



Cove Lighting



Display Lighting



Handrail Lighting

WHY

With a long list of features and great dollar per lumen value, an excellent choice when wet location is not required.

Dims to 1% intensity, even over long runs. Expect smooth, flicker-free dimming performance.

Built-in Active Thermal Management protects your investment.





patents pending

THE ADVANTAGE OF REAL LED EXPERTISE



Dollar per Lumen Value, High Performance & ANSI Sub-Binning

The S-Line S1205 offers many of the features found in the V-Line series tailored for a commercial-grade fixture– where dollar per lumen value is weighted equally to precision.

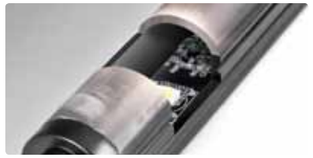
With high performance and wide lateral distribution that eliminates socket shadow on continuous lighting runs, the S-Line S1205 offers excellent versatility for all-around usage. Premium LM-80 illumination-grade LEDs and ANSI sub-binning ensure color consistency and quality of light.



TRIAC-Compatible, 1% & Flicker-Free Dimming

i2Systems LightLink technology dims the V-Line S1205 to 1% intensity. Dimming interfaces include 0 to 10V Control, most leading and trailing edge TRIAC dimmers, and i2Systems standalone dimmer and sensor products.

With digital filtering onboard every fixture, expect smooth, low-level and flicker-free dimming.



Built-in Driver & High Temperature Protection

A built-in LED Driver ensures constant current regulation to the LED source, providing 100% light output even over long wire runs.

Onboard Active Thermal Management anticipates and protects against overheating by gradually dimming the S1205 to a calculated intensity.*

**Please ensure the S1205 is operated within its specified temperature parameters listed on page 26.*



Ideal for Long Runs

The S1205 maintains uniform intensity over long runs, even when dimmed to low levels.

S-LINE BATTERY BACKUP TIP

The S1205 is compatible with our Battery Backup Power Boxes. This allows select lights to remain illuminated in the case of a power failure. Contact us for more details or refer to our power box selection on page 30.

Designed and Manufactured in the USA by i2Systems



ACTUAL SIZE

0.75" [19mm]

0.75" [19mm]

LEED & Environment

- **Energy and Atmosphere (EA)** Low Voltage for increased energy savings.
- **Innovation in Design** Thermal management and TRIAC-compatible dimmers.
- **Sustainable Sites (SS)** Targeted emitting angles reduce light pollution.
- **Indoor Environmental Quality (EQ)** Variable light output depending on occupant needs.
- **Regional Materials** Our factory in NW Connecticut is within the LEED specified 500 miles of most east coast cities.

ZERO
No Mercury, *Lead or Glass. No fragile filaments to break.*

75%
Possible energy reduction compared to traditional sources.

2
Years of typical payback of an S-Line LED system.

50,000
Up to 50,000 hours of operation.

RoHS
All i2Systems products are RoHS compliant, an international directive banning the use of 6 hazardous materials in electronics manufacturing.

QUICK SPECS

Suitable Environments	Dry Damp
Watts	6W per ft
Input Voltage	24V DC
Operating Temp	-20°C to 40°C
Max Case Temp (Tc)	50°C
Humidity	0 to 95% Non-Condensing

Available LED Colors

Warm White *Neutral White* *Cool White*

individual colors, no RGB color mix

Green *Red* *Blue*

°K

See Next Page *for all available CCTs*

Available Lengths

12" *18"* *24"* *36"* *48"*

Beam Angles

30° *65°* *82°*

Certifications

c UL us

FC ANSI RoHS

Next Page
- *LM-79 Example*
- *Fixture Features*
- *Ordering Information & Accessories*

LM-79 Photometric Test Results **48", 65°, 3000°K Warm White S1205 Fixture**

Additional LM79 and IES data is available at i2Systems.com



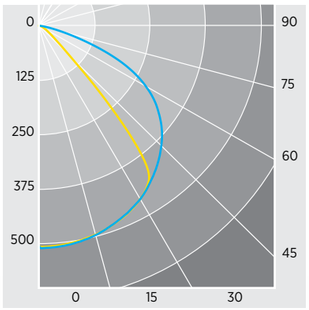
Light Output (Lumens)	1067 lms
Watts	22.4
Lumens per Watt (Efficacy)	47.7 lms
Color Accuracy (CRI)	77.8

Light Color (CCT) 2996K

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Polar Candela Distribution



0 Deg. Plane — 90 Deg. Plane

Illuminance at Distance

Mounting Height (ft)	*fcd* @ Center Beam	Diameter of Lighted Plane (ft)
4.0 ft	31.6 *fc*	5.4 ft
6.0 ft	14.0 *fc*	8.1 ft
8.0 ft	7.9 *fc*	10.8 ft
10.0 ft	5.1 *fc*	13.5 ft
12.0 ft	3.5 *fc*	16.2 ft
14.0 ft	2.6 *fc*	18.9 ft
16.0 ft	2.0 *fc*	21.5 ft

Multiplier Table Standard Output	**3000°K**	**4100°K** x1.05	**5700°K** x1.10

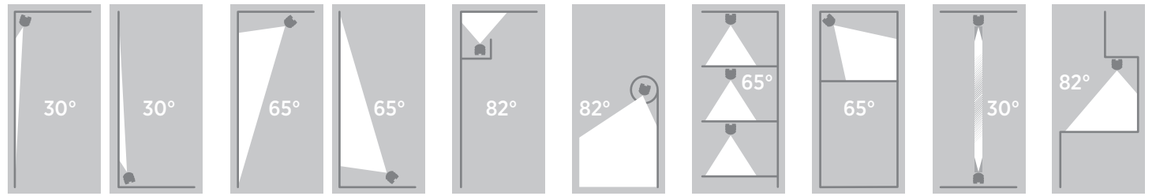
All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



Features

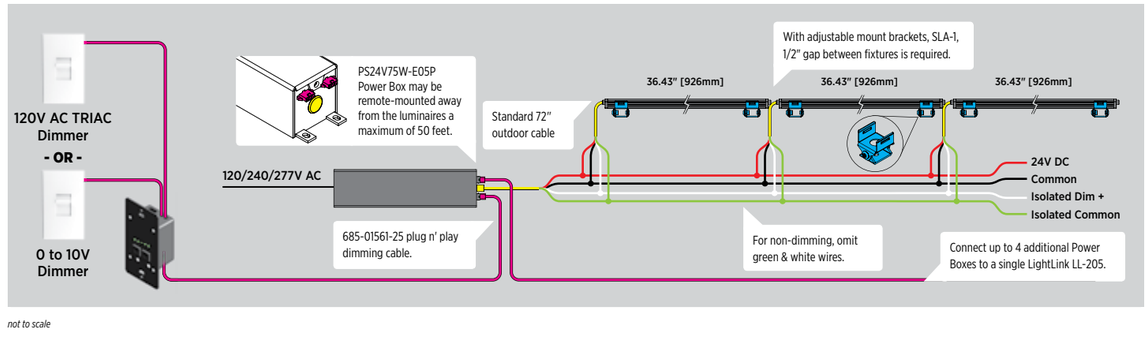
1. **Rugged design** features impact-resistant polycarbonate housing and anodized aluminum construction.
2. **Advanced optical design** is available in three emitting angles.
3. **Integrated LED drivers** maximize circuit efficiency and limit the effect of voltage drop.
4. **Stainless steel brackets** are available in adjustable or fixed option. The snap-on design allows installation to any position along the fixture.
5. **72" Outdoor Cable** with waterproof plug option.

Reference Luminaire Orientation



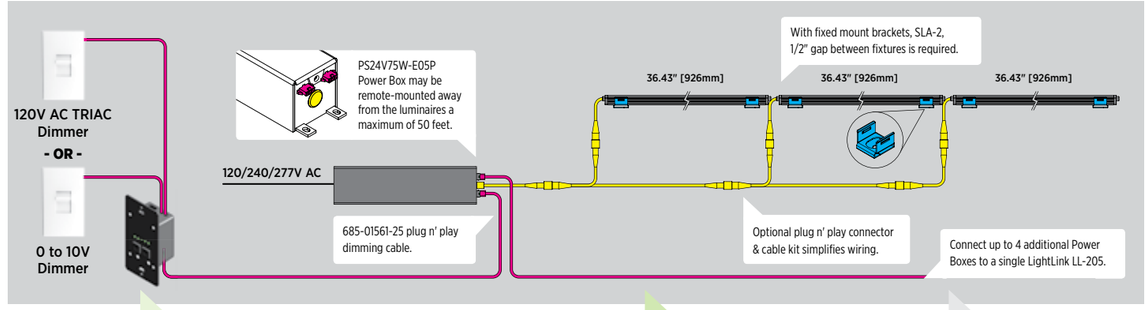
Wall Grazing | Wall Washing | Cove | Handrail | Shelf | Display Case | Edge Light | Under Cabinet

Hardwire Installation Example



not to scale

Plug n' Play Installation Example (Optional)



LightLink LL-205 Dimming Interface (optional)

The LL-205 reads and buffers conventional dimming signals, offering unmatched flexibility and precision.

Dimming interfaces include:

- 0 to 10V (Sink or Source)
- Leading or Trailing Edge TRIAC
- Standalone Dimming Buttons w/ LED Bar Graph

Up to 5 power boxes may be connected to a single LL-205. Maximum wire distance between the LL-205 and the last power box connected is 300 feet.

Omit LL-205 and dimming cables for non-dimming installations.

i2Systems vs. Typical LED TRIAC Dimming

- Dim to 1% Intensity
- Flicker-free, even at low levels
- No minimum power load required
- Maintains power factor, even when dimmed
- Light levels are unaffected by voltage drop

i2Systems vs. Typical LED Digital Dimming

- Use your own dimmer
- No software or setup required
- Low cost of deployment

Installation Tips

- Use longer luminaires (i.e. 48") wherever possible to save on installation costs.
- For exterior installations, install lights away from any run-off or areas where water can collect or puddle.
- Use adjustable brackets when possible. Adjustability after installation can be helpful for fine tuning.

LED spacing is continuous, and it is not necessary to stagger or overlap fixtures to maintain an even beam.

Contact us to specify a plug n' play solution for your project.



S-Line® MODEL S1205
High Output LED Linear Luminaire

i2Systems ADVANCED LED LIGHTING

PROJECT NAME

NOTES

ORDERING EXAMPLE S1205A - 3 8 CBB

- **Warm White 3000°K LED**
- **82 Degree Beam Angle**
- **36″ Length**

ORDERING NUMBER

S1205A-

Fixture Type

Length

1	12″
8	18″
2	24″
3	36″
4	48″

Beam Angle

3	30°
6	65°
8	82°

LED Color

AAH	Cool White – 6500°K
AAG	***Cool White – 5700°K****
AAF	Cool White – 5000°K
BBE	Neutral White – 4500°K
BBD	***Neutral White – 4100°K****
CBC	Warm White – 3500°K
CBB	***Warm White – 3000°K****
CBA	Warm White – 2700°K

D	Green
E	Blue
H	Red

FIXED FACTORY NUMBER

USER SELECTED OPTION

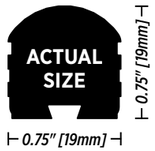
Factory Standard
5700°, 4100° and 3000° are factory standard CCTs. Other temperatures may require additional lead time.

High CRI Available
Call us for details and ordering nformation. High CRI may require additional lead time.

LUMINAIRE LENGTHS

12.43″ [316mm]
18.43″ [468mm]
24.43″ [621mm]
36.43″ [926mm]
48.43″ [1230mm]

END DIMENSIONS



CERTIFICATIONS

c UL us

FC ANSI RoHS compliant, exempted Made in USA

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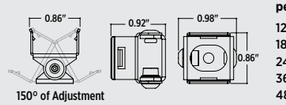
Build your System

We offer a full range of accessories that make installing our fixtures easy and effective. All have been designed to be plug n' play with our fixtures, reducing installation time and cost.

MOUNTING BRACKETS



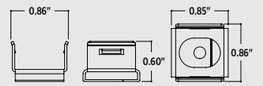
SLA-1 Adjustable
Stainless steel w/ stainless steel mounting screw, snap-on installation to fixture housing.



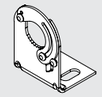
per Fixture
12″ – 2
18″ – 2
24″ – 2
36″ – 2
48″ – 3



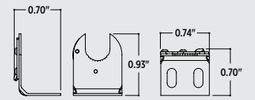
SLA-2 Fixed
Stainless steel w/ stainless steel mounting screw, snap-on installation to fixture housing.



per Fixture
12″ – 2
18″ – 2
24″ – 2
36″ – 2
48″ – 3



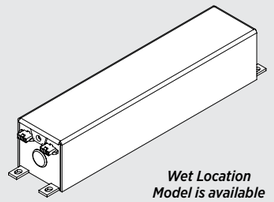
SLA-3 Pivot
Stainless steel mounting bracket w/ stainless steel mounting screw, end mount and pivot rotation.



per Fixture
12″ – 2
18″ – 2
24″ – 2
36″ – 2
48″ – 2

POWER BOXES

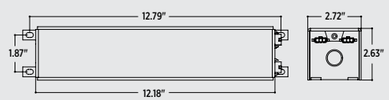
Plug n' Play Ready



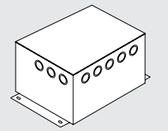
Wet Location Model is available

PS24V75W-E05P
Powers up to 12 feet of S-Line S1205. Plug n' Play Wiring. Accepts 120/240/277V AC. cULus Listed.

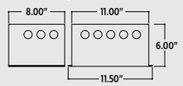
Power box may be remote-mounted. See Page 28.



Need Battery Backup?

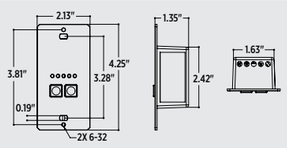


PS24V75W-E06E
Power box with automatic battery backup. Accepts 120/240/277V AC.



LIGHTLINK™ DIMMERS





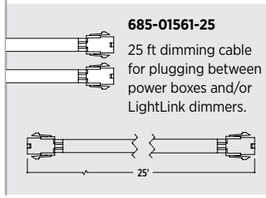
LightLink LL-205-10V
Dims up to 5 Power Boxes using a 0 to 10V Dimming Input (sink or source) per IEC 60929:2006 Annex E.

LightLink LL-205-TRIAC
Dims up to 5 Power Boxes by reading and buffering most any leading & trailing edge incandescent dimmer.

Both models include onboard dimming buttons w/ LED bargraph indicator for standalone dimming.

CONNECTOR ACCESSORIES

Dimming Cable



685-01561-25
25 ft dimming cable for plugging between power boxes and/or LightLink dimmers.

Contact us for a wide range of indoor and outdoor plug-together options, including but not limited to those shown on page 28.

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S-Line®

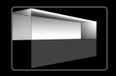
MODEL S2195
High Output LED Linear Luminaire

WHAT

A commercial-grade, no-frills, high-performance linear LED luminaire suitable for the illumination of retail, food service and refrigerated displays.

c UL us

WHERE



Display Washing



Retail / Shelf



Refrigerated Display

WHY

Excellent dollar per lumen value, yet rugged & reliable.

A profile similar to T5 and an overall length of 22″ and 44″ are great for shelf lighting and merchandising.

All aluminum and polycarbonate construction provide a barrier against the daily abuse of a retail environment.





patents pending

THE ADVANTAGE OF REAL LED EXPERTISE



Excellent Dollar per Lumen Value & High Performance

The S-Line S2195's excellent dollar per lumen value and high performance owe credit to the simplicity of its design. The use of highly efficient, premium LM-80 LEDs and an advanced yet simple onboard LED driver ensures excellent performance and product lifetime.



Designed for Display Environments

S-Line S2195 fixture lengths are engineered for simple installation for most cabinets and shelves.

With a wide lateral beam distribution, shorter S2195 fixtures may be used to light much wider displays. A high-impact housing makes the S2195 resilient from the normal wear and tear commonly found in consumer-accessible applications.



Cold-Temperature Rated for Food Service & Refrigerated Displays

With a cold-temperature rating down to -40°C, the S2195 fits easily into most refrigerated displays. Unlike fluorescent bulbs, LED intensity actually increases when exposed to cold temperatures.

A smooth design, the S2195 is easily wiped clean, to avoid any collection of debris and other intrusive elements.



Plug n' Play Installation

The S2195 comes pre-wired with a 72″ cable and plug offering simple plug n' play installation.

S-LINE SELECTION TIP

While the S2195 is a great display light, for larger lighting installations, including cove and handrail, where long runs and/or dimming may be required, check out the S-Line S1205.

LEED & Environment

- ✓ **Energy and Atmosphere (EA)**
  Low Voltage for increased energy savings.
- ✓ **Innovation in Design**
  Thermal management and TRIAC-compatible dimmers.
- ✓ **Sustainable Sites (SS)**
  Targeted emitting angles reduce light pollution.
- ✓ **Indoor Environmental Quality (EQ)**
  Variable light output depending on occupant needs.
- ✓ **Regional Materials**
  Our factory in NW Connecticut is within the LEED specified 500 miles of most east coast cities.

ZERO
No Mercury, *Lead or Glass. No fragile filaments to break.*

75%
Possible energy reduction compared to traditional sources.

2
Years of typical payback of an S-Line LED system.

50,000
Up to 50,000 hours of operation.

RoHS
All i2Systems products are RoHS compliant, an international directive banning the use of 6 hazardous materials in electronics manufacturing.

QUICK SPECS

Suitable Environments	Dry Damp
Watts	5W per ft
Input Voltage	24V DC
Operating Temp	-40°C to 30°C
Max Case Temp (Tc)	50°C
Humidity	0 to 95% Non-Condensing

Available LED Colors

Warm White *Neutral White* *Cool White*

°K

See Next Page *for all available CCTs*

Available Lengths

22″
44″

Beam Angles

30° *65°* *82°*

Certifications

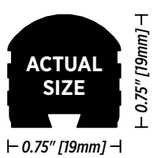
c UL us

FC ANSI RoHS

Next Page
- *LM-79 Example*
- *Fixture Features*
- *Ordering Information & Accessories*

Designed and Manufactured in the USA by i2Systems





LM-79 Photometric Test Results **44", 65°, 3000°K Warm White S2195 Fixture**

Additional LM79 and IES data is available at i2Systems.com



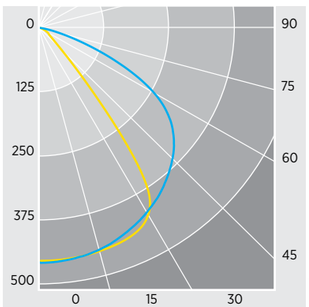
Light Output (Lumens)	922.2 lms
Watts	19.1
Lumens per Watt (Efficacy)	48.3 lms
Color Accuracy (CRI)	77

Light Color (CCT) 2970K

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Polar Candela Distribution



0 Deg. Plane — 90 Deg. Plane

Illuminance at Distance

Mounting Height (ft)	*fcd* @ Center Beam	Diameter of Lighted Plane (ft)
4.00 ft	28.6 *fc*	5.4 ft
6.00 ft	12.7 *fc*	8.1 ft
8.00 ft	7.2 *fc*	10.7 ft
10.00 ft	4.6 *fc*	13.4 ft
12.00 ft	3.2 *fc*	16.1 ft
14.00 ft	2.3 *fc*	18.8 ft
16.00 ft	1.8 *fc*	21.5 ft

Multiplier Table Standard Output	**3000°K**	**4100°K** x1.05	**5700°K** x1.10

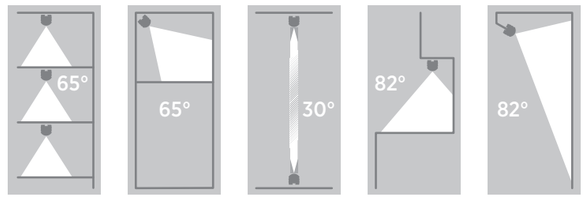
All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



Features

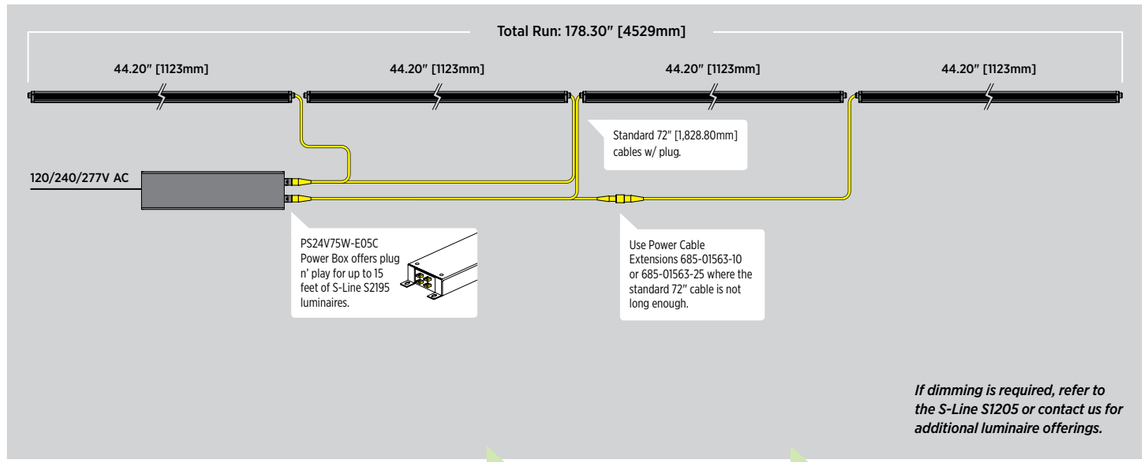
1. **Impact-resistant** polycarbonate optic and anodized aluminum constructed base ensure lifetime protection of the components.
2. **Advanced optical design** is available in three emitting angles. No heat or UV in the beam reduces risk of fading or deteriorating products or artifacts on display.
3. **Stainless steel brackets** are available in adjustable or fixed option. The snap-on design allows installation to any position along the fixture.
4. **72" Cable with plug** offers simple plug n' play operation.

Reference Luminaire Orientation



Shelf **Display Case** **Edge Light** **Under Cabinet** **Sign Light**

Plug n' Play Installation Example



not to scale

Installation Tips

- Use longer luminaires (i.e. 44") wherever possible to save on installation costs.
- Use adjustable brackets when possible. Adjustability after installation can be helpful for fine tuning.

For display case installations, should you require a wider beam angle than that offered in the S2195, contact us – we have a full range of display case luminaires.

Determining Run Lengths

Run fixtures end-to-end. 1/2 inch gap is required between fixtures for wire exit. Even with gap, fixtures will maintain an even beam.

LED spacing is continuous, meaning it is not necessary to stagger or overlap fixtures to maintain an even beam.





S-Line® MODEL S2195
High Output LED Linear Luminaire

i2Systems® ADVANCED LED LIGHTING

PROJECT NAME

NOTES

ORDERING EXAMPLE S2195Z - 2 8 AAG

- 2 → 22" Length
- 8 → 82 Degree Beam Angle
- AAG → Cool White 5700°K LED

ORDERING NUMBER

S2195Z-

Fixture Type

Length	
2	22"
4	44"

Beam Angle	
3	30°
6	65°
8	82°

LED Color	
AAH	Cool White – 6500°K
AAG	***Cool White – 5700°K****
AAF	Cool White – 5000°K
BBE	Neutral White – 4500°K
BBD	***Neutral White – 4100°K****
CBC	Warm White – 3500°K
CBB	***Warm White – 3000°K****
CBA	Warm White – 2700°K

FIXED FACTORY NUMBER
USER SELECTED OPTION

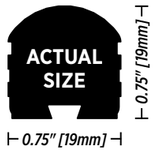
Factory Standard
5700°, 4100° and 3000° are factory standard CCTs. Other temperatures may require additional lead time.

High CRI Available
Call us for details and ordering information. High CRI may require additional lead time.

LUMINAIRE LENGTHS

21.75" [553mm]
44.20" [1123mm]

END DIMENSIONS



CERTIFICATIONS

c UL us · FC · ANSI · RoHS compliant, exempted · Made in USA

This page may be copied and used as a fixture spec. Specifications are subject to change. Contact i2Systems with any questions or concerns. Refer to product datasheet for full specifications, available online at www.i2Systems.com

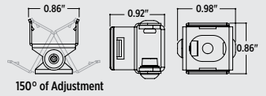
Build your System

We offer a full range of accessories that make installing our fixtures easy and effective. All have been designed to be plug n' play with our fixtures, reducing installation time and cost.

MOUNTING BRACKETS



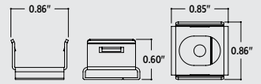
SLA-1 Adjustable
Stainless steel w/ stainless steel mounting screw, snap-on installation to fixture housing.



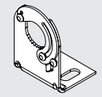
per Fixture
12" – 2
18" – 2
24" – 2
36" – 2
48" – 3



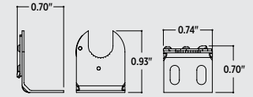
SLA-2 Fixed
Stainless steel w/ stainless steel mounting screw, snap-on installation to fixture housing.



per Fixture
12" – 2
18" – 2
24" – 2
36" – 2
48" – 3



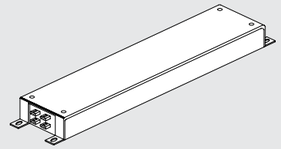
SLA-3 Pivot
Stainless steel mounting bracket w/ stainless steel mounting screw, end mount and pivot rotation.



per Fixture
12" – 2
18" – 2
24" – 2
36" – 2
48" – 2

POWER BOXES

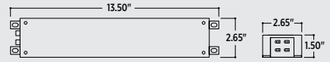
Plug n' Play Ready



PS24V75W-E05C

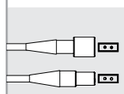
Power Box with plug n' play connectors. Powers up to 15 feet of S-Line S2195.

Up to four S2195 fixtures plug directly into the Power Box or may be remote-mounted using the Power Extension Cables listed below. Accepts 120/240/277V AC. cULus Listed.

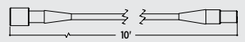


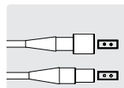
CONNECTOR ACCESSORIES

Power Extension Cables

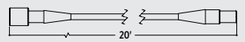


685-01563-10
10 ft power extension cable.





685-01563-25
25 ft power extension cable.



+1.860.567.0708 / support@i2Systems.com

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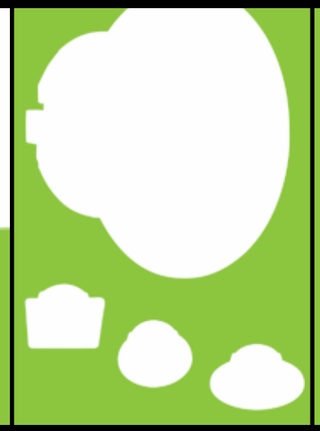
More Linear LED
by i2Systems.

More LED
by i2Systems.








SmartLED B2190

Linear LED light module for display cases, retrofit compatible. Simple mounting, aluminum heat sink, plug n' play design and power box compatible.

SmartLED B1203

Intelligent Linear LED light module, retrofit compatible. Active Thermal Managment, optional optics, simple mounting, aluminum heat sink, plug-together design and power box compatible.

Custom

If we don't have exactly what you need, contact i2Systems to design and manufacture your LED solution – chances are we'll be able to leverage one or more of our standard products to bring your design to market quickly and at a reasonable cost.

Reading T3311

LED Swivel Reading. Machined aluminum with a fully adjustable ball joint and integrated switch.

Gooseneck G1300

LED Gooseneck Light, 1" diameter light head, very flexible, aluminum, clamp & bolt-thru mounting with connector.

Apeiron A1130

LED Recessed Light for general lighting, 12V AC, 3" diameter, round & square trims, stainless steel, cULus listed.

Apeiron A1161

LED Recessed Light for Elevator Ceilings with Battery Backup option.

SlimFit F1171

LED Recessed Light for shelf & under cabinet lighting, 3" diameter, 5/8" depth, 5 finish options.

Ember E1150

LED Step Light with asymmetrical beam. Round, square, & oval trims, snap or screw mount into 1.25" round cutout, stainless steel, IP67.

R1160

LED Recessed Light for General Lighting, 2.5" x 2.5", Anodized Aluminum, cULus Listed.

R2160

LED Recessed Light for General Lighting, 2.5" x 6.4", Anodized Aluminum, cULus Listed.

Visit our website for more information, industry solutions and technical documentation

www.i2Systems.com

i2Systems®
ADVANCED LED LIGHTING

A family owned and operated business, our heritage of electronics manufacturing stems back to the early 1980s. Having created our first LED products back in 2000, our experience in high brightness LED technology and electronics design and manufacturing have gone hand-in-hand for over a decade.







i2Systems
355 Bantam Lake Rd.
Morris, CT 06763 USA

tel +1.860.567.0708
fax +1.860.567.2501
sales@i2systems.com

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