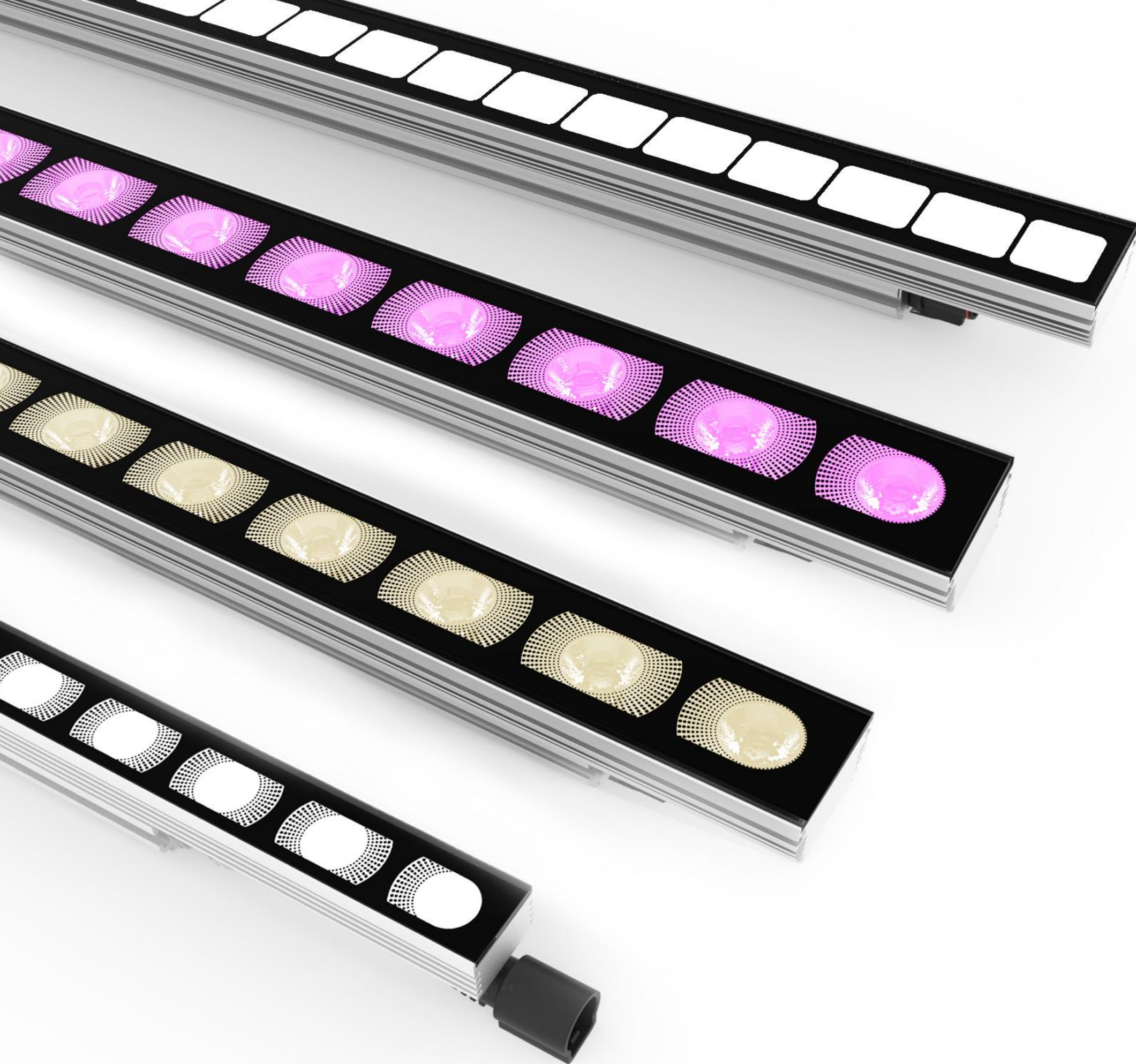




# STR9<sup>®</sup> SERIES

PRODUCT SERIES OVERVIEW

**GVA**  
LIGHTING



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## HIGH POWER ARCHITECTURAL LINEAR LIGHTING STR9® SERIES

The STR9® series is an industry leading high power and high performance linear wall washer and grazer for exterior architectural lighting applications. The STR9® series provides unparalleled durability and environmental protection in its outdoor version as well as an economically conscious indoor version, offering the same superior light output. With many different length, output, and optical distribution options, the STR9® series allows for a multitude of offerings which includes worldclass technologies such as UNIBODY™, INFINITY® and COLOR-AMP®.



### STR9® GEN3 MONO

High power linear luminaire available in a range of color temperatures and monochromatic colors

### STR9® GEN3 COLOR-CHANGING

Color-changing with superior inner-mixing optics and light output in RGBW30K, RGBA, and RGB options

### STR9® SLIM MONO

Our most compact high power linear luminaire for discrete installation

**UNIBODY™**  
GVA TECHNOLOGY

**COLOR-AMP®**  
GVA TECHNOLOGY

**INFINITY®**  
GVA TECHNOLOGY



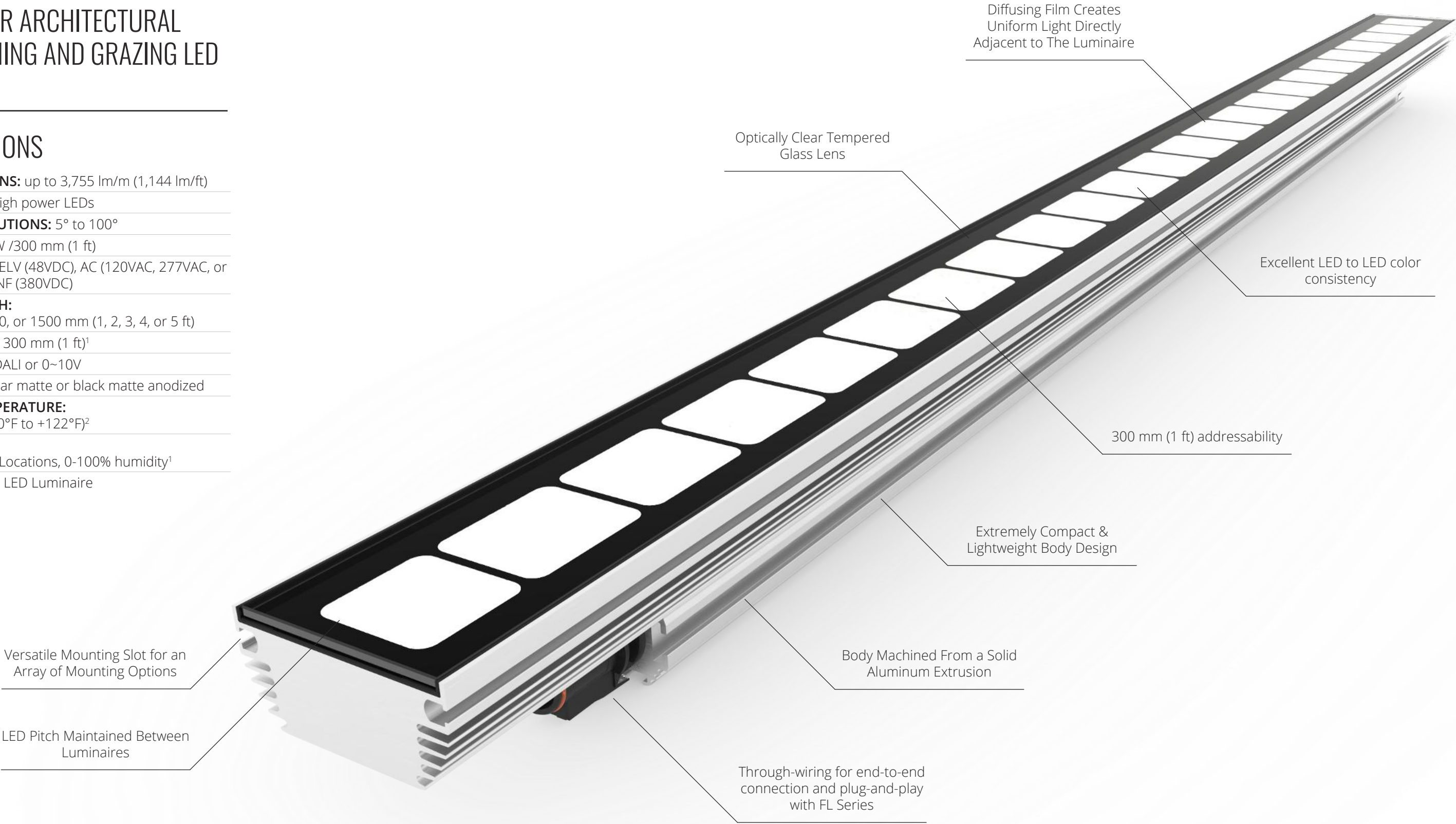
1. IK06 is standard; IK10 is available upon request

STR9® SERIES

HIGH POWER ARCHITECTURAL  
WALL WASHING AND GRAZING LED  
LUMINAIRE

SPECIFICATIONS

- DELIVERED LUMENS: up to 3,755 lm/m (1,144 lm/ft)
- LIGHT SOURCE: High power LEDs
- OPTICAL DISTRIBUTIONS: 5° to 100°
- POWER: up to 20W /300 mm (1 ft)
- INPUT VOLTAGE: ELV (48VDC), AC (120VAC, 277VAC, or 220~240VAC), or INF (380VDC)
- NOMINAL LENGTH:  
300, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- ADDRESSABILITY: 300 mm (1 ft)<sup>1</sup>
- CONTROL: DMX, DALI or 0~10V
- BODY FINISH: Clear matte or black matte anodized
- OPERATING TEMPERATURE:  
-40°C to +50°C (-40°F to +122°F)<sup>2</sup>
- ENVIRONMENT:  
Dry, Damp or Wet Locations, 0-100% humidity<sup>1</sup>
- IEC CLASS: Class 1 LED Luminaire



1. Excluding STR9® MONO INF (380VDC)

2. Excluding STR9® LITE luminaires

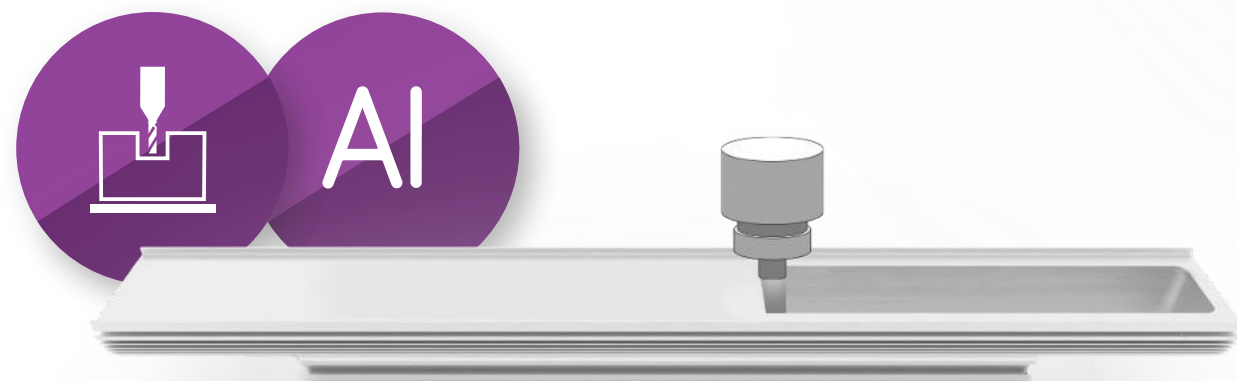
# THE MOST RELIABLE WET LOCATION LUMINAIRE UNIBODY™ TECHNOLOGY

## BODIES MACHINED FROM A SOLID ALUMINUM EXTRUSION

The unique body design of the STR9® Series has no assembled parts, endcaps, or seams, ensuring these linear luminaires can withstand extreme outdoor environments for a minimum of 10 years.

The only luminaire on the market to be machined from a solid aluminum extrusion, STR9®'s UNIBODY™ Technology is combined with a time-proven proprietary sealing process used for glass assembly which complies with IP66 and IP67 ratings.

Each luminaire is individually electronically tested for hermetic sealing prior to shipping resulting in a durable and virtually maintenance-free high end LED luminaire.<sup>1</sup>



PRECISELY MACHINED FROM A SOLID  
ALUMINUM EXTRUSION WITHOUT ENDCAPS



HERMETICALLY SEALED &  
INDIVIDUALLY ELECTRONICALLY TESTED



RATED AS **DUST TIGHT**  
AND PROTECTED AGAINST  
POWERFUL **JETS OF WATER.**

1. Excluding STR9® LITE luminaires

## SUPPORTED BY INDUSTRY-LEADING TECHNOLOGY

Developed in-house and proprietary to GVA Lighting, these technologies ensure that our architectural luminaires outperform and outlast competing fixtures.

### **INFINITY<sup>®</sup>** GVA TECHNOLOGY

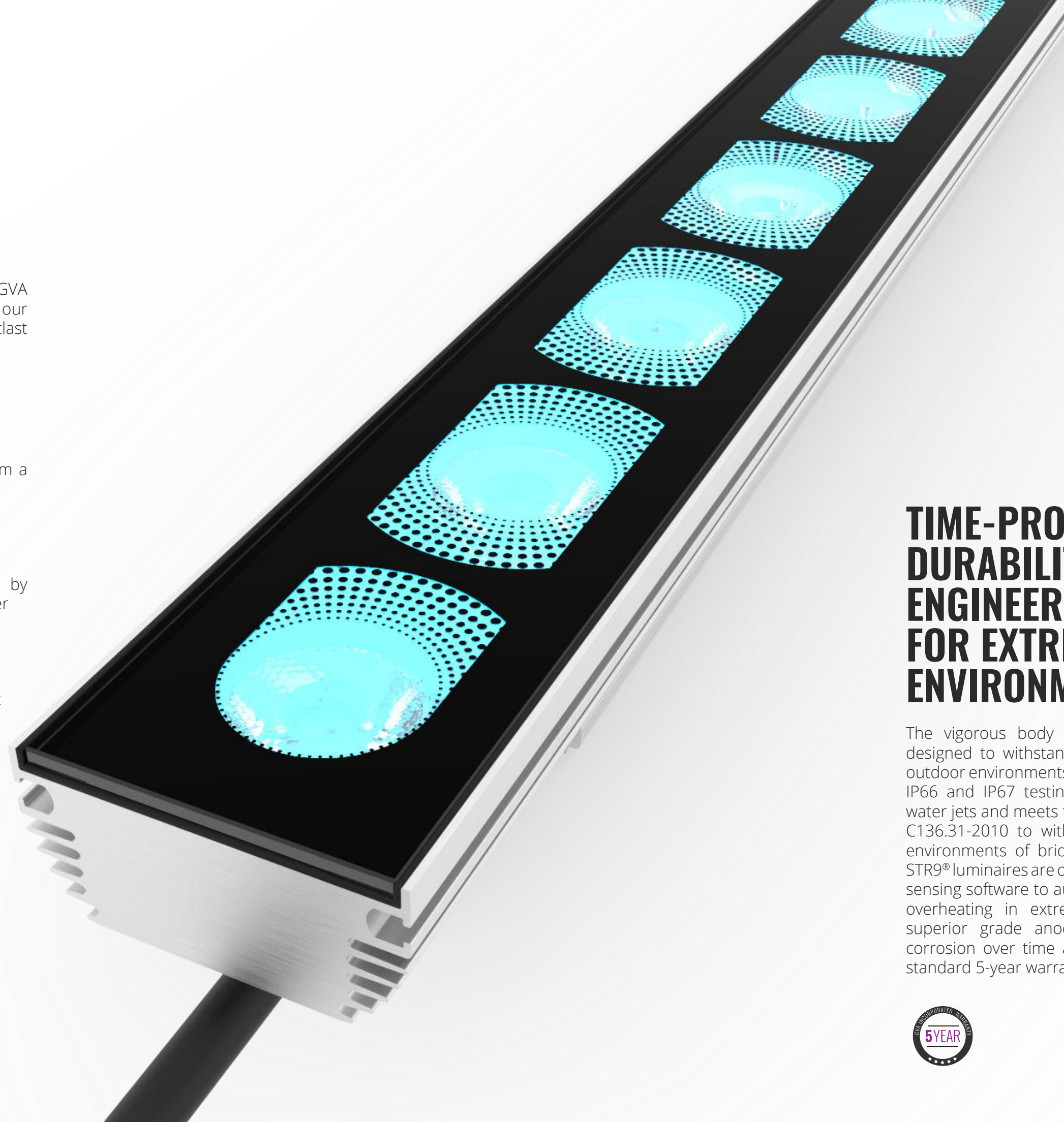
DC Lighting circuits 300+ m (1000+ ft) from a single power & data input

### **COLOR-AMP<sup>®</sup>** GVA TECHNOLOGY

Industry-leading light output achieved by utilizing all of the luminaires' available power

### **UNIBODY<sup>™</sup>** GVA TECHNOLOGY

Industry-leading proprietary sealing against water ingress



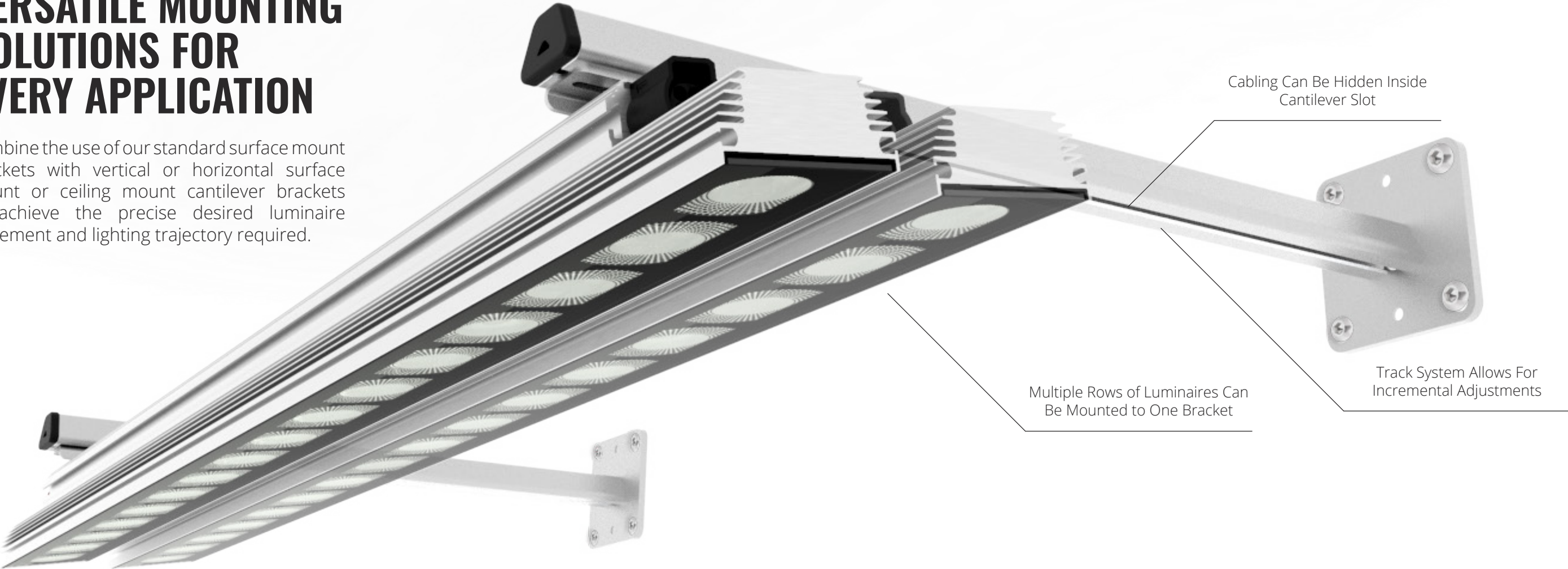
## TIME-PROVEN DURABILITY AND ENGINEERED FOR EXTREME ENVIRONMENTS

The vigorous body of the STR9<sup>®</sup> Series is designed to withstand some of the harshest outdoor environments. The body design passes IP66 and IP67 testing against high pressure water jets and meets the requirements of ANSI C136.31-2010 to withstand intense vibration environments of bridges and overpasses. All STR9<sup>®</sup> luminaires are outfitted with temperature sensing software to automatically protect from overheating in extreme environments. The superior grade anodized aluminum resists corrosion over time and all this backed by a standard 5-year warranty.



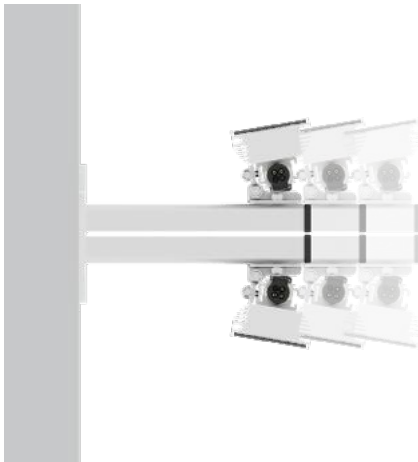
# VERSATILE MOUNTING SOLUTIONS FOR EVERY APPLICATION

Combine the use of our standard surface mount brackets with vertical or horizontal surface mount or ceiling mount cantilever brackets to achieve the precise desired luminaire placement and lighting trajectory required.



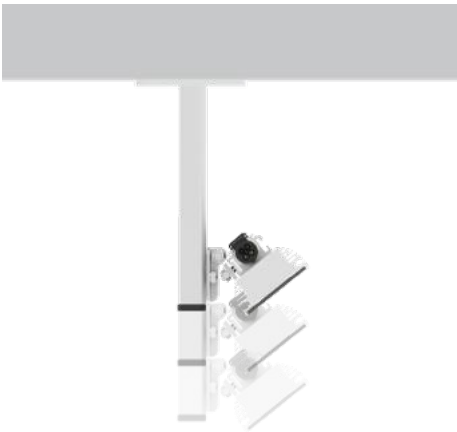
CV BRACKET

Adjustable vertical surface mount cantilever bracket from 100 to 500 mm (3.9 to 19.7 in)



DCV-C DOUBLE BRACKET

Adjustable vertical surface and ceiling mount double cantilever bracket from 100 to 500 mm (3.9 to 19.7 in)



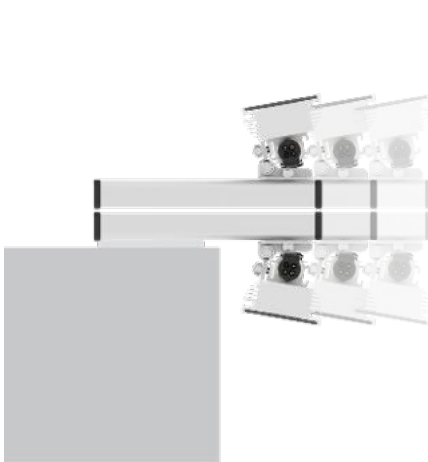
CC BRACKET

Adjustable ceiling mount cantilever bracket from 100 to 1,000 mm (3.9 to 39.4 in)



CH BRACKET

Adjustable horizontal surface mount cantilever bracket from 100 to 500 mm (3.9 to 19.7 in)



DCH BRACKET

Adjustable horizontal surface mount double cantilever bracket from 100 to 500 mm (3.9 to 19.7 in)

# ROUNABOUT ŠIJANA

## STR9® COLOR-CHANGING

This roundabout in Šijana, a neighborhood of Pula, Croatia, is 15,000 square meters of artfully disguised water management resolving the neighborhood's flooding issues. The 340 white poles line the outer circumference release water vapors into the air to refract the color-changing light provided by 300 STR9® luminaires. Powered by INFINITY® Technology, all 360 m (1,181 ft) of lighting is powered by one power supply, and controlled by DMX.

The roundabout has become an original outdoor art gallery, as colors and shapes alter conveniently to charm the public and attract more visitors to the city. The project recieved a special citation at the 35th annual IALD International Lighting Design Awards.

**LED COLOR:** RGBW30K

**INPUT VOLTAGE:** INFINITY® Technology (380VDC)

**QUANTITY OF LUMINAIRES:** 360 m (1181 ft)

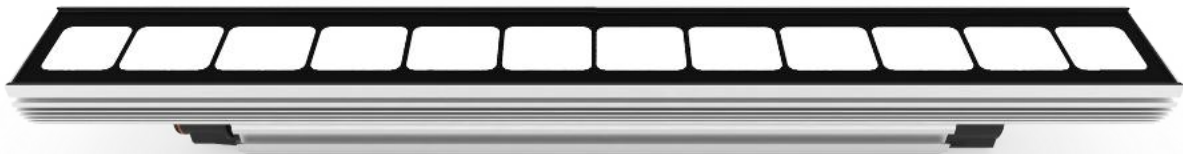
**LOCATION:** Pula, Croatia

**ARCHITECTS:** Dino Krizmanic & Leonid Zuban

**LIGHTING DESIGNER:** SKIRA Architectural Lighting Design

**SPECIFIER:** Lumenart

PRODUCT INDEX



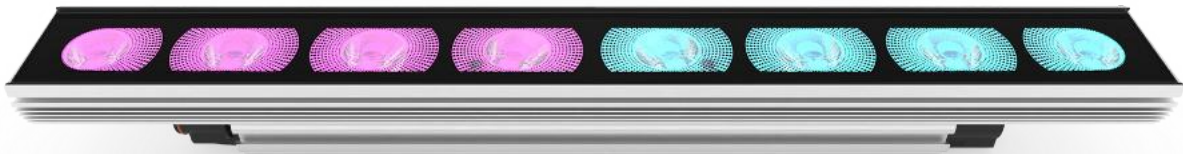
STR9® GEN3 MONO | 18-19



STR9® LITE MONO | 20-21



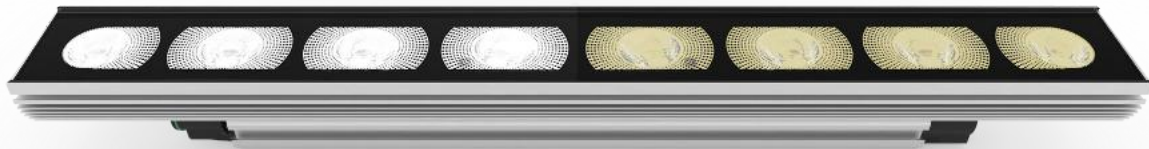
STR9® SLIM MONO | 22-23



STR9® GEN3 COLOR-CHANGING | 32-33



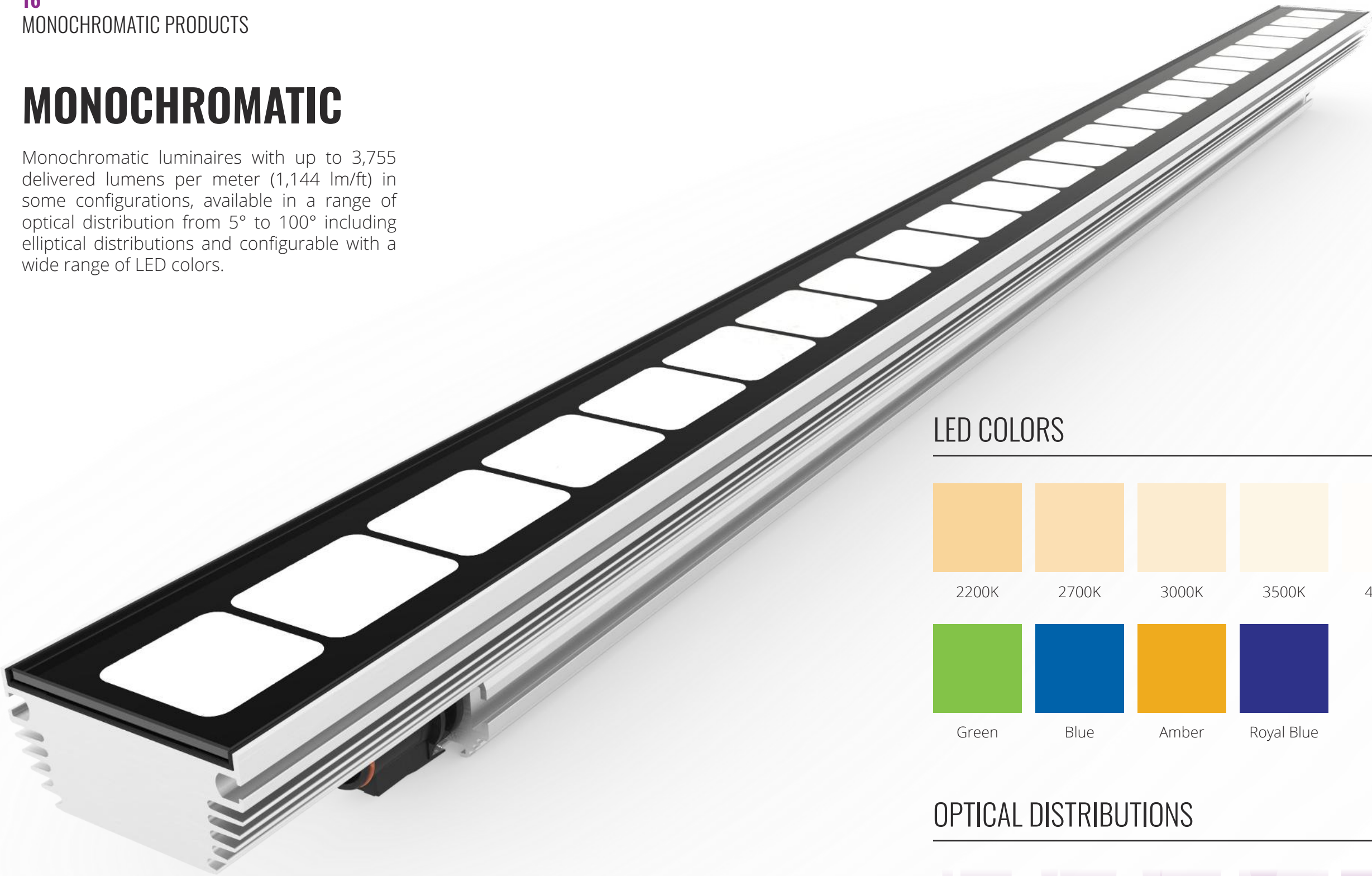
STR9® LITE COLOR-CHANGING | 34-35



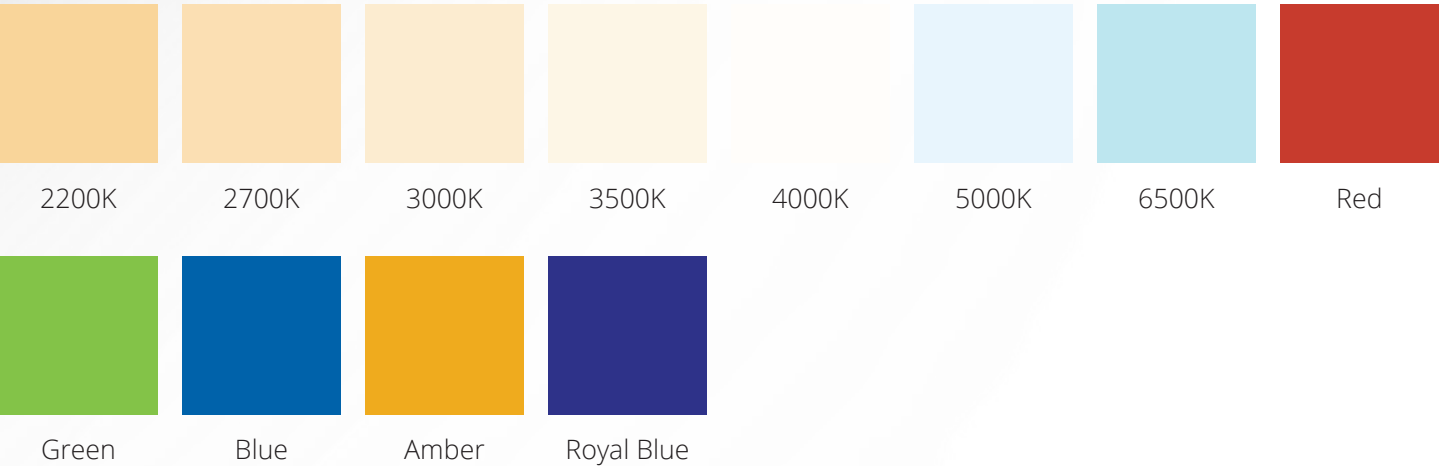
STR9® GEN3 DYNAMIC WHITE | 46-47

# MONOCHROMATIC

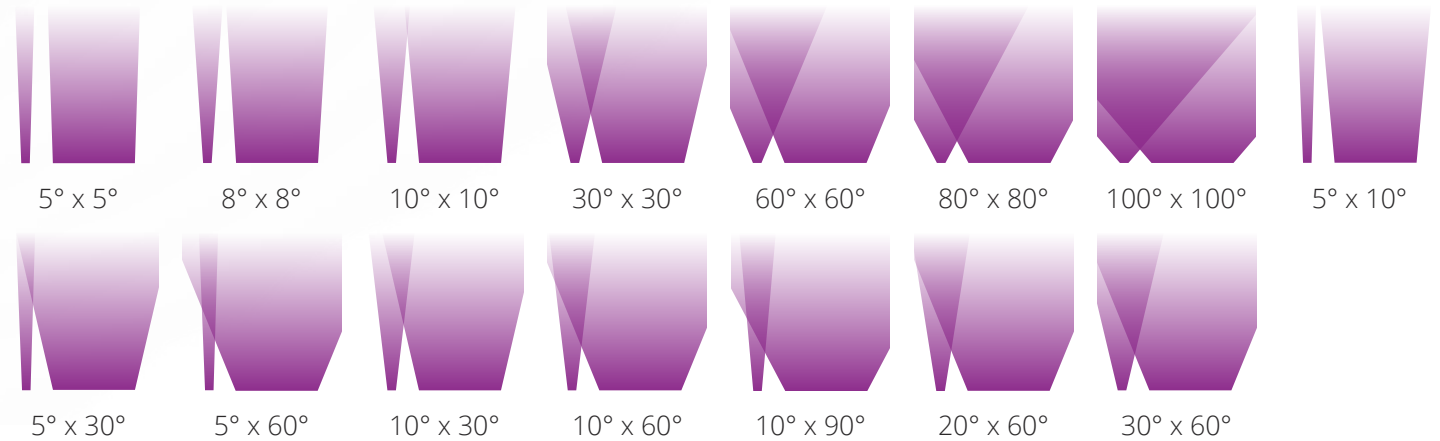
Monochromatic luminaires with up to 3,755 delivered lumens per meter (1,144 lm/ft) in some configurations, available in a range of optical distribution from 5° to 100° including elliptical distributions and configurable with a wide range of LED colors.



## LED COLORS



## OPTICAL DISTRIBUTIONS



# STR9® GEN3 MONO

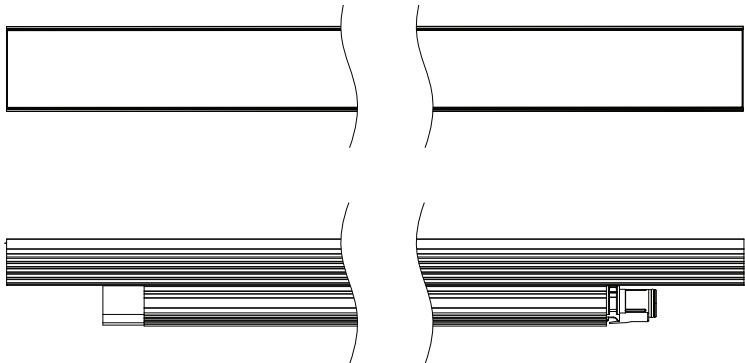
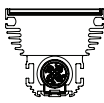
EXTERIOR MONOCHROMATIC  
LINEAR WALL WASHING AND  
GRAZING LED LIGHTING

## SPECIFICATIONS

- DELIVERED LUMENS: 3,755 lm/m (1,144 lm/ft)
- LIGHT SOURCE:  
6 x High Power LEDs /300 mm (1 ft)
- CRI: >80
- POWER: 3W, 5W, 10W, or 15W /300 mm (1 ft)
- INPUT VOLTAGE: ELV (48VDC), AC (120VAC, 277VAC, or 220~240VAC), or INF (380VDC)
- NOMINAL LENGTH:  
300, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT: 1.0 kg/ 300 mm (2.2 lbs/ 1ft)
- ADDRESSABILITY: 300 mm (1 ft)<sup>1</sup>
- CONTROL: DMX, DALI or 0~10V
- BODY FINISH: Clear matte or black matte anodized
- PROJECTED LIFETIME:  
L70 > 150,000hrs @ Ta = 25°C (77°F)
- OPERATING TEMPERATURE:  
-40°C to +50°C (-40°F to +122°F)
- ENVIRONMENT:  
Dry, Damp or Wet Locations, 0-100% humidity
- IEC CLASS: Class 1 LED Luminaire

71 mm  
(2.8 in)

63 mm  
(2.5 in)



300 mm (12.9 in) 600 mm (23.5 in) 900 mm (35.4 in) 1200 mm (47.2 in) 1500 mm (59.0 in)



UNIBODY™ INFINITY®  
GVA TECHNOLOGY GVA TECHNOLOGY



1. Excluding STR9® MONO INF (380VDC)

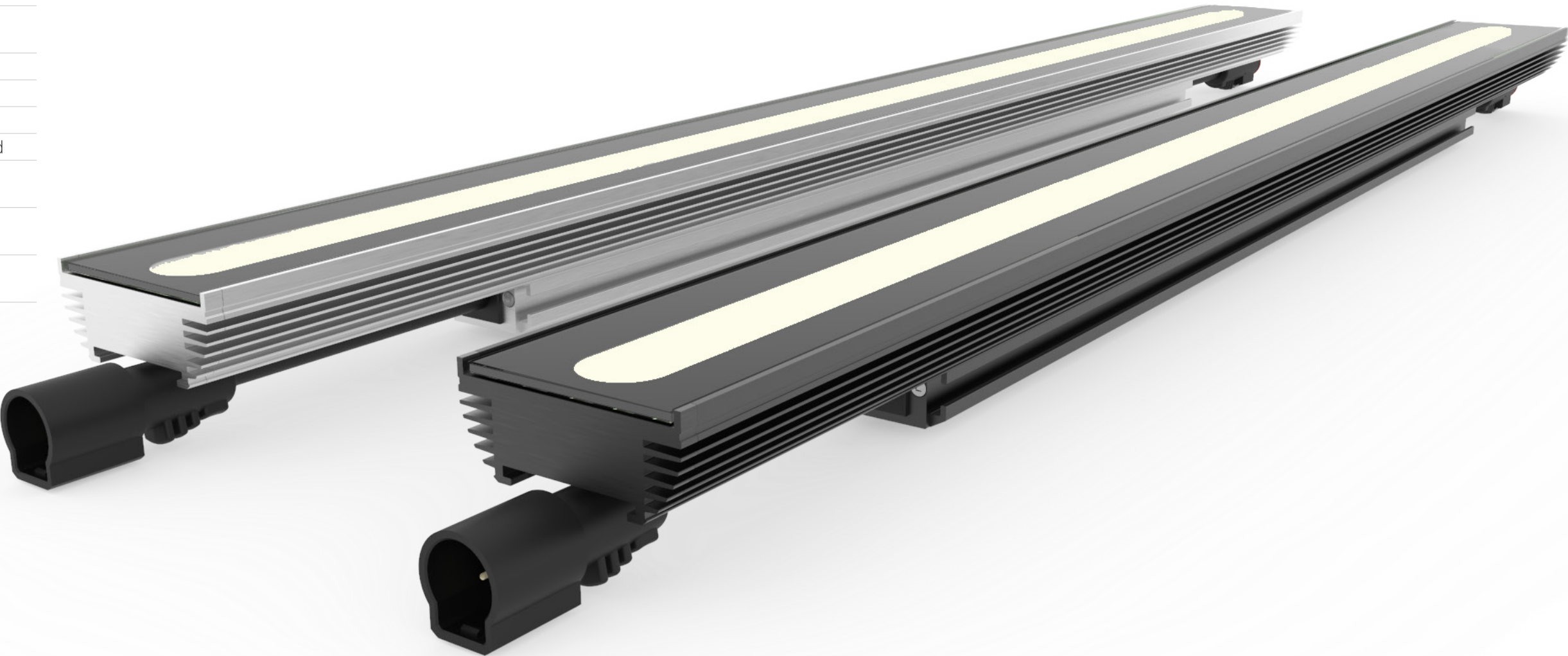
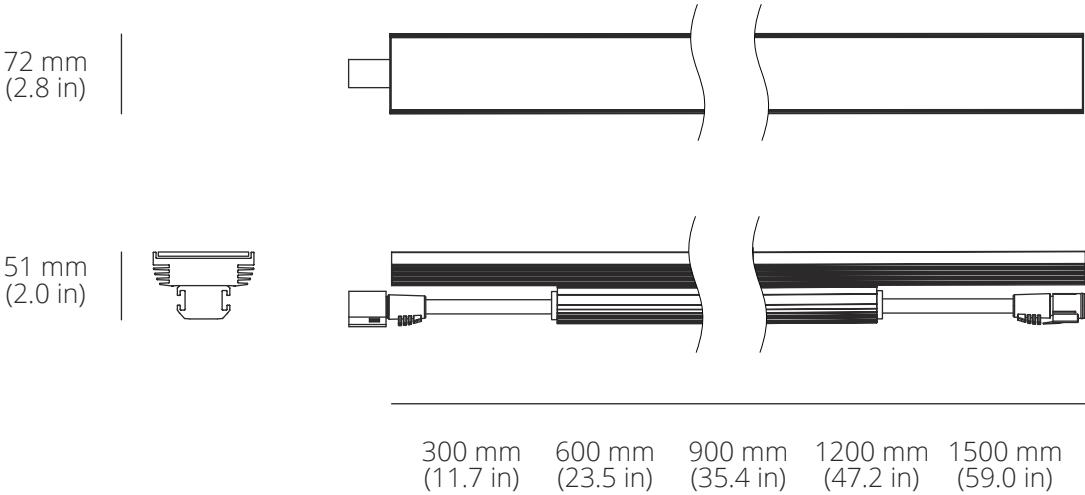
1. IK06 is standard; IK10 is available upon request

# STR9® LITE MONO

INTERIOR MONOCHROMATIC  
LINEAR WALL WASHING AND  
GRAZING LED LIGHTING

## SPECIFICATIONS

- DELIVERED LUMENS: 3,761 lm/m (1,119 lm/ft)
- LIGHT SOURCE:  
6 x High Power LEDs /300 mm (1 ft)
- CRI: >80
- POWER: 3W, 5W, 10W, or 15W /300 mm (1 ft)
- INPUT VOLTAGE: ELV (48VDC) or INF (380VDC)
- NOMINAL LENGTH:  
300, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT: 1.0 kg/ 300 mm (2.2 lbs/ 1ft)
- ADDRESSABILITY: 300 mm (1 ft)<sup>1</sup>
- CONTROL: DMX, DALI or 0~10V
- BODY FINISH: Clear matte or black matte anodized
- PROJECTED LIFETIME:  
L70 > 150,000hrs @ Ta = 25°C (77°F)
- OPERATING TEMPERATURE:  
0°C to +50°C (+32°F to +122°F)
- ENVIRONMENT:  
Dry or Damp Locations Only
- IEC CLASS: Class 1 LED Luminaire



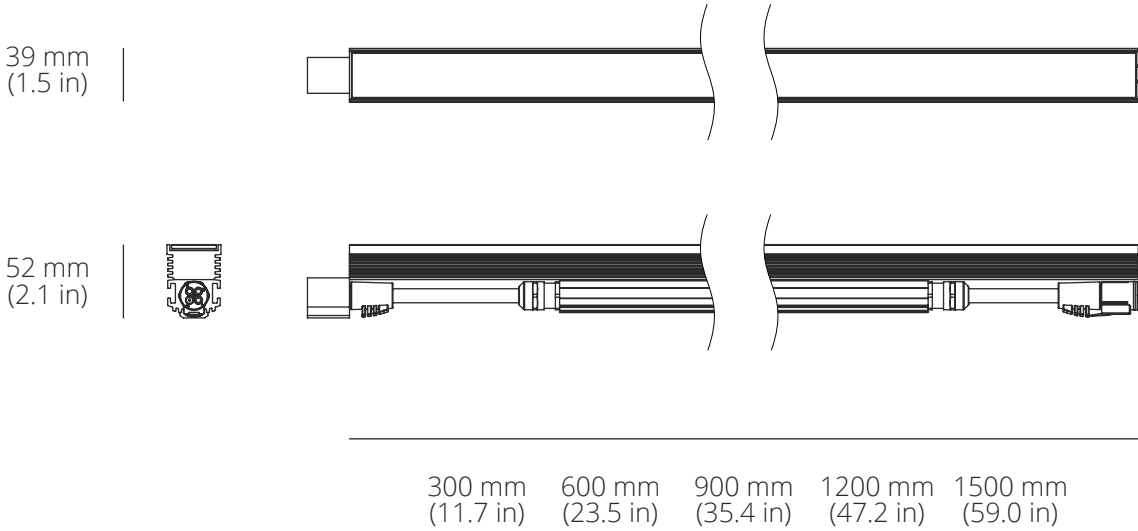
1. Excluding STR9® LITE MONO INF (380VDC)

# STR9® SLIM MONO

EXTREMELY COMPACT  
MONOCHROMATIC LINEAR WALL  
WASHING AND GRAZING LED  
LIGHTING

## SPECIFICATIONS

- DELIVERED LUMENS: 2,930 lm/m (893 lm/ft)
- LIGHT SOURCE:  
6 x High Power LEDs /300 mm (1 ft)
- CRI: >80
- POWER: 3W, 5W, 7.5W, or 10W /300 mm (1 ft)
- INPUT VOLTAGE: ELV (48VDC)
- NOMINAL LENGTH:  
300, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT: 0.7 kg/ 300 mm (1.5 lbs/ 1ft)
- ADDRESSABILITY: 300 mm (1 ft)
- CONTROL: DMX, DALI or 0~10V
- BODY FINISH: Clear matte or black matte anodized
- PROJECTED LIFETIME:  
L70 > 150,000hrs @ Ta = 25°C (77°F)
- OPERATING TEMPERATURE:  
-40°C to +50°C (-40°F to +122°F)
- ENVIRONMENT:  
Dry, Damp or Wet Locations Only
- IEC CLASS: Class 1 LED Luminaire



# SOWWAH SQUARE

## STR9® MONO

The Galleria shopping center at Sowwah Square in Abu Dhabi features over 60 m (200 ft) of STR9® high power linear LED luminaires to accentuate the structure's complex, sculptural glass and steel roof design.

After several years in the hot and humid climate of Al Maryah Island where Sowwah Square is located, the fixtures are still providing architectural illumination due to the exceptional thermal design properties and proprietary sealing process of STR9® Series fixtures – and they can be expected to continue to function for many years to come. In addition to LED energy-saving properties, the longevity of the STR9® product life cycle reduces maintenance costs and maximizes raw material resources, improving its sustainability properties.

**INPUT VOLTAGE:** ELV (48VDC)

**LOCATION:** Abu Dhabi, UAE

**SPECIFIER:** 3S Lighting Solutions



# AL GARHOUD BRIDGE

## STR9® MONO

This 520 m (1,706 ft) long bridge holds 14 lanes of traffic for a capacity of 16,000 vehicles every hour. But UAE's Roads and Transport Authority envisioned more than a bridge - they had a work of art designed. Al Garhoud Bridge mimics the appearance of sand dunes and water, the two dominating natural elements of Dubai. At night this vision truly comes to life with 848 blue STR9® MONO luminaires creating the representation of water on the bridge deck, and 294 2000K white STR9 MONO luminaires representing the sand on the windswept dune shape of the piers.

STR9® Series luminaires are ideally suited for the hot climate of Dubai due to their exceptional thermal dissipation properties and have been mechanically engineered to withstand the high-vibration environment of vehicle bridges. This installation, completed in 2007, is a testament to the extreme durability of the STR9® Series.

**LED COLOR:** Blue & 2000K white  
**INPUT VOLTAGE:** ELV (48VDC)  
**QUANTITY OF LUMINAIRES:** 1,142  
**LOCATION:** Dubai, UAE  
**SPECIFIER:** 3S Lighting Solutions

# H&M FLAGSHIP STORE

## STR9® SLIM MONO

On the Karl Johans gate street in Oslo, Norway, one of H&M's largest and most contemporary flagship stores offers five stories of memorable shopping. GVA Lighting's STR9® SLIM luminaires tastefully graze the exterior façade of the historic building in warm 3000K light. The extremely compact form-factor of the STR9® SLIM, concerted with custom painted bodies, and custom colored cables, allows for the luminaires to blend into the preserved 1800's façade. The result is the accentuation of architecture with minimal visual distraction by the installation itself.

**LED COLOR:** 3000K white

**INPUT VOLTAGE:** ELV (48VDC)

**LOCATION:** Oslo, Norway

**LIGHTING DESIGNER:** Zenisk AS

**SPECIFIER:** Rebel Light



# PONT ADOLPHE

## STR9® MONO

GVA is proud to have been the main supplier of the Pont Adolphe bridge, located in heart of Luxembourg City that connects the city over the river Pétrusse.

STR9® MONO luminaires enabled by INFINITY® Technology illuminate the majestic historic arches of Pont Adolphe to create a truly stunning effect.

**INPUT VOLTAGE:** INFINITY® Technology (380VDC)

**LOCATION:** Luxembourg City, Luxembourg

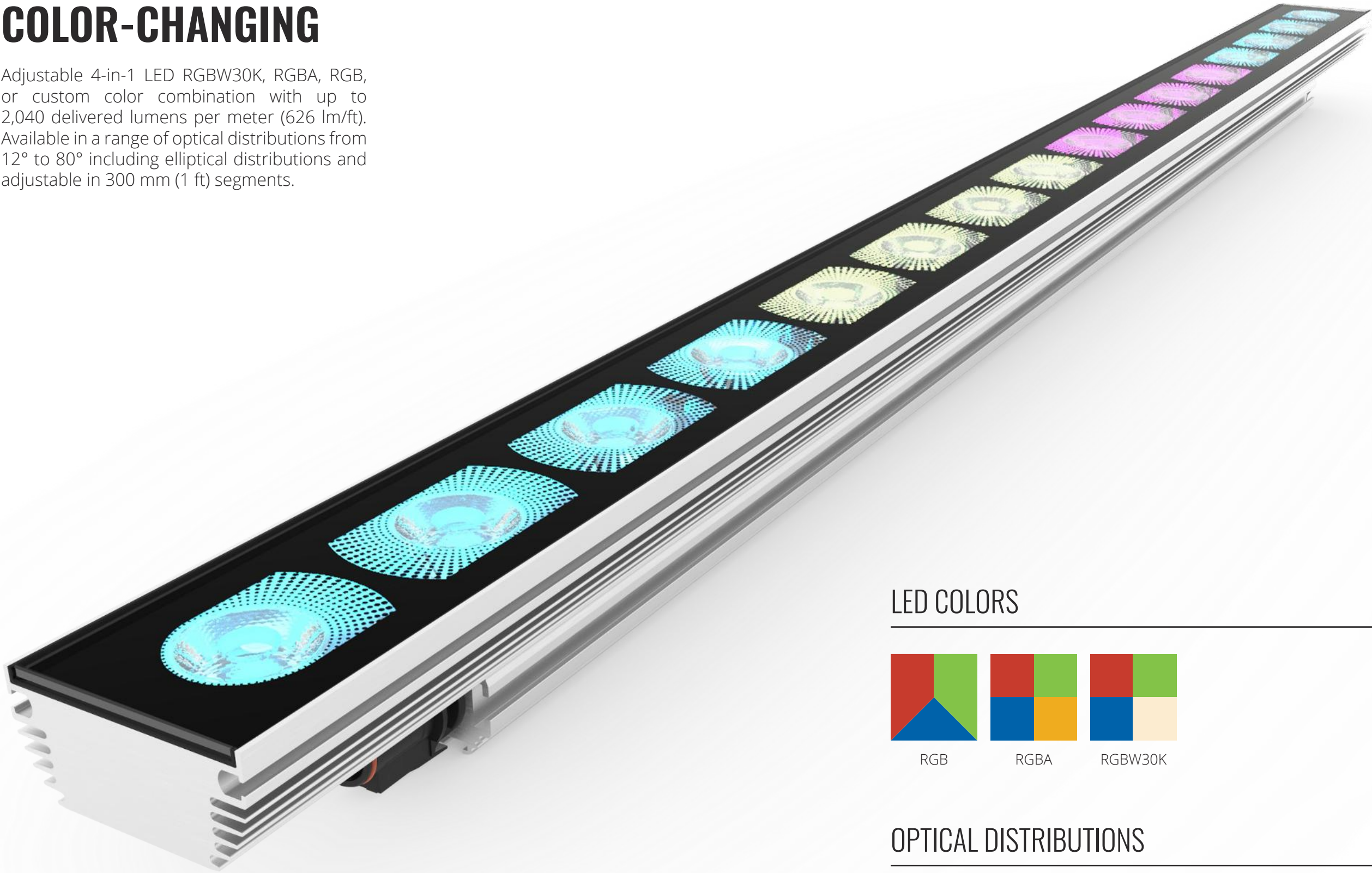
**LIGHTING DESIGNER:** Maria Luisa Guerrieri Gonzaga, Architectural Lighting Conception Lumière

**PARTNER:** Sipel Sarl

**Awards:** LLA Luxembourg Architecture Award 2019 Winner

# COLOR-CHANGING

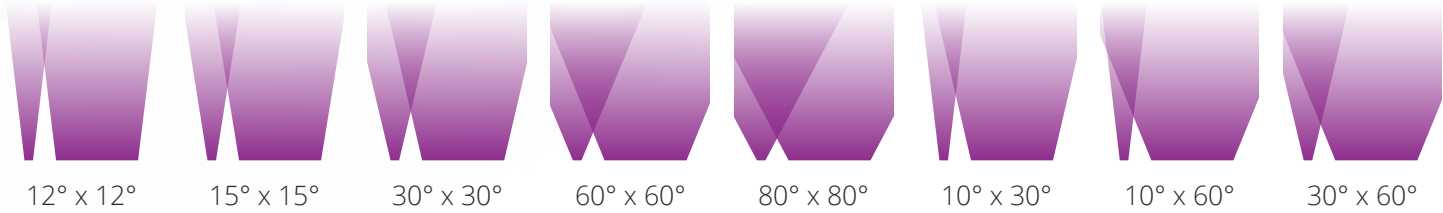
Adjustable 4-in-1 LED RGBW30K, RGBA, RGB, or custom color combination with up to 2,040 delivered lumens per meter (626 lm/ft). Available in a range of optical distributions from 12° to 80° including elliptical distributions and adjustable in 300 mm (1 ft) segments.



## LED COLORS



## OPTICAL DISTRIBUTIONS



STR9® GEN3

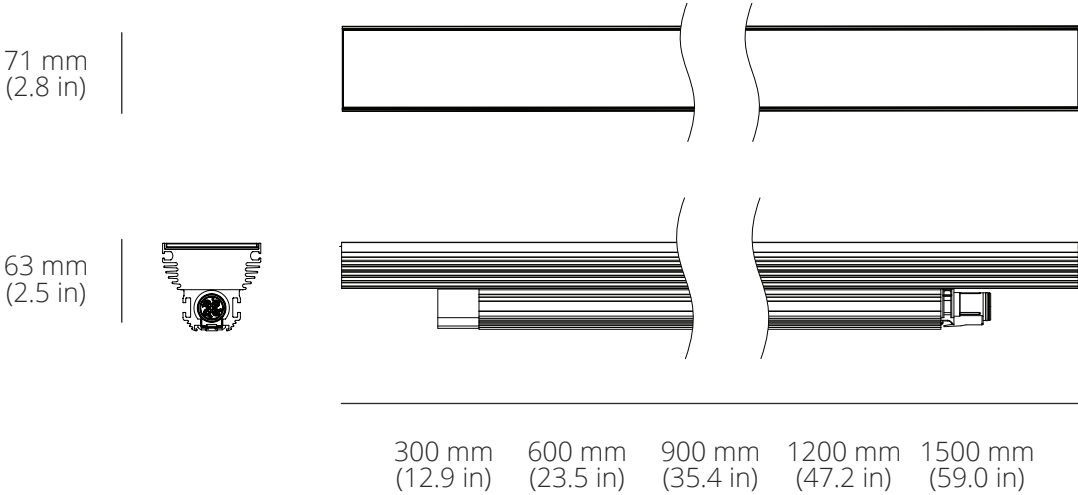
COLOR-CHANGING

EXTERIOR COLOR-CHANGING  
LINEAR WALL WASHING AND  
GRAZING INTERIOR LED LIGHTING

SPECIFICATIONS

- DELIVERED LUMENS:** 2,040 lm/m (626 lm/ft)
- LIGHT SOURCE:**  
4 x High Power 4-in-1 LEDs /300 mm (1 ft)
- POWER:** 10W, 15W or 20W /300 mm (1 ft)
- INPUT VOLTAGE:** ELV (48VDC), AC (120VAC, 277VAC, or 220~240VAC), or INF (380VDC)
- NOMINAL LENGTH:**  
300<sup>1</sup>, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT:** 1.0 kg/ 300 mm (2.2 lbs/ 1ft)
- ADDRESSABILITY:** 300 mm (1 ft)
- CONTROL:** DMX
- BODY FINISH:** Clear matte or black matte anodized
- PROJECTED LIFETIME:**  
L70 > 65,000hrs @ Ta = 50°C (122°F)
- OPERATING TEMPERATURE:**  
-40°C to +50°C (-40°F to +122°F)
- ENVIRONMENT:**  
Dry, Damp or Wet Locations Only
- IEC CLASS:** Class 1 LED Luminaire

1. 343 mm (1.1 ft) for INF (380VDC)



UNIBODY™  
GVA TECHNOLOGY

COLOR-AMP®  
GVA TECHNOLOGY

INFINITY®  
GVA TECHNOLOGY



1. IK06 is standard; IK10 is available upon request

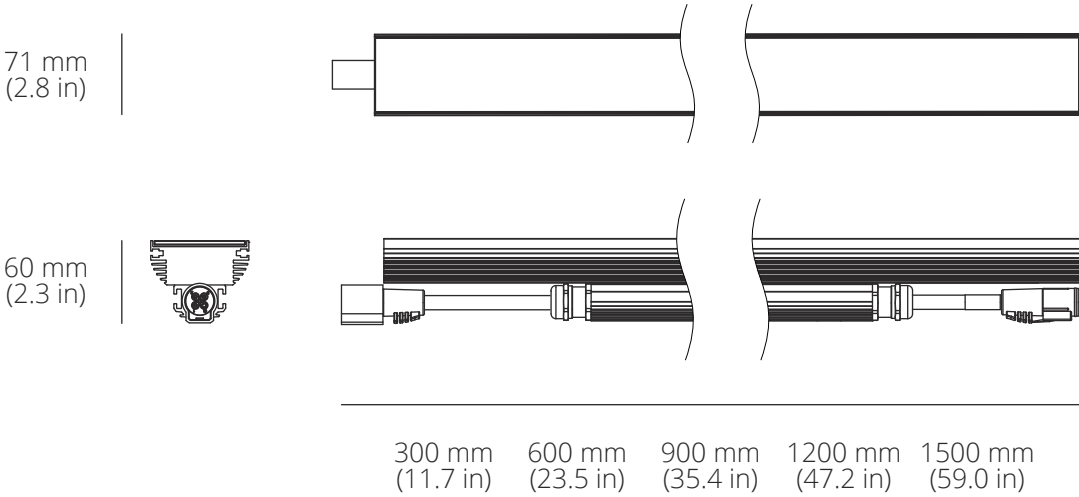
# STR9® LITE COLOR-CHANGING

INTERIOR COLOR-CHANGING  
LINEAR WALL WASHING AND  
GRAZING INTERIOR LED LIGHTING

## SPECIFICATIONS

- DELIVERED LUMENS:** 1,995 lm/m (608 lm/ft)
- LIGHT SOURCE:**  
4 x High Power 4-in-1 LEDs /300 mm (1 ft)
- POWER:** 10W, 15W, or 20W /300 mm (1 ft)
- INPUT VOLTAGE:** ELV (48VDC) or INF (380VDC)
- NOMINAL LENGTH:**  
300', 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT:** 1.1 kg/ 300 mm (2.4 lbs/ 1ft)
- ADDRESSABILITY:** 300 mm (1 ft)
- CONTROL:** DMX
- BODY FINISH:** Clear matte or black matte anodized
- PROJECTED LIFETIME:**  
L70 > 65,000hrs @ Ta = 50°C (122°F)
- OPERATING TEMPERATURE:**  
0°C to +50°C (+32°F to +122°F)
- ENVIRONMENT:**  
Dry, Damp or Wet Locations Only
- IEC CLASS:** Class 1 LED Luminaire

1. 343 mm (1.1 ft) for INF (380VDC)



# SVINDERSVIK BRIDGE

## STR9® COLOR-CHANGING

The Svindersvik bridge, which links the archipelago near Kvarnholmen and Nacka city is symbolic of the ties between the communities and their connection to waterways. Custom color combinations of amber, blue, and 4000K were required to create the desired contrast of warm and cool light. The effect draws attention away from the functional street lighting to the bold arches overhead.

**LED COLOR:** Custom combination of blue, amber, and 4000K white

**INPUT VOLTAGE:** INFINITY® Technology (380VDC)

**LOCATION:** Nacka, Sweden

**LIGHTING DESIGNER:** ÅF Lighting designers

**SPECIFIER:** REBEL Light

# RYERSON UNIVERSITY

## STR9® COLOR-CHANGING

760 custom STR9® RGB luminaires were programmed to engage pedestrians in a lively myriad of colors each night, to become the winner of the 2012 Light & Architecture Design Awards for *Best Use of Color*. Ryerson University surrounds the busy Dundas Square in Toronto, Canada. Under the guidance of Diamond+Schmitt Architects, the School of Image Arts was made over with an exterior frosted glass covering backed by thousands of GVA Lighting's LED lights.

**LED COLOR:** RGB

**INPUT VOLTAGE:** ELV (48VDC)

**LOCATION:** Toronto, Canada

**ARCHITECT:** Diamond+Schmitt Architects

**LIGHTING DESIGNER:** Ion Luh

**SPECIFIER:** Rutenberg Sales





## PRINCE EDWARD VIADUCT

### STR9® COLOR-CHANGING

---

The longest bridge in Toronto, Canada, connects Bloor Street with Danforth Avenue over the Don Valley Parkway. Built in 1918, it contributed to more rapid development in the Eastern part of the city and became a significant landmark.

The “Luminous Veil” was installed in 2003, designed to protect pedestrians on the bridge and simultaneously create an artistic feature in the neighborhood. 600 STR9® COLOR-CHANGING luminaires illuminate the 9,000 steel rods that make up the pedestrian barrier. To span the 494 m (1,621 ft) expanse of the bridge luminaires were configured for INFINITY® Technology.

This lighting installation is unique in that it that the color-changing effects reflect the wind speed, wind direction, and the season of the year. This creative display has been charming pedestrians and motorists alike for many years.

**LED COLOR:** RGB

**INPUT VOLTAGE:** INFINITY® Technology (380VDC)

**LOCATION:** Toronto, Canada

**CLIENT:** City of Toronto

**ARTIST:** Dereck Revington, Dereck Revington Studio

**LIGHTING DESIGNERS:** Joe Berardi, Paul Boken & Alan McIntosh, Mulvey & Banani

**CONTROLS:** Westbury National

# TANA BRU

## STR9® COLOR-CHANGING & STR9® MONO

In the Northern tip of Norway along the E6 highway this 200-meter-long stay-cable bridge extends across the Tana river in Finnmark county. The bridge is located within the Arctic Circle where winters are long, cold, and dark. The vision for lighting Tana Bru was to be a communicative visual attraction that can achieve national pride by creating an internationally recognized landmark.

The project required luminaires that could provide excellent traffic safety and be reliable in the extreme Arctic climate. A combination of 235 meters of STR9® COLOR-CHANGING and 53+ meters of STR9® MONO linear luminaires illuminate the stay cables and were outfitted with custom heated glass configuration to melt snow and ice accumulation during the winter months.

**LED COLOR:** RGBW

**INPUT VOLTAGE:** INFINITY® Technology  
(380VDC)

**LOCATION:** Tana, Norway

**LIGHTING DESIGNER:** Zenisk

**SPECIFIER:** Rebel Light

**Client:** Statens Vegvesen



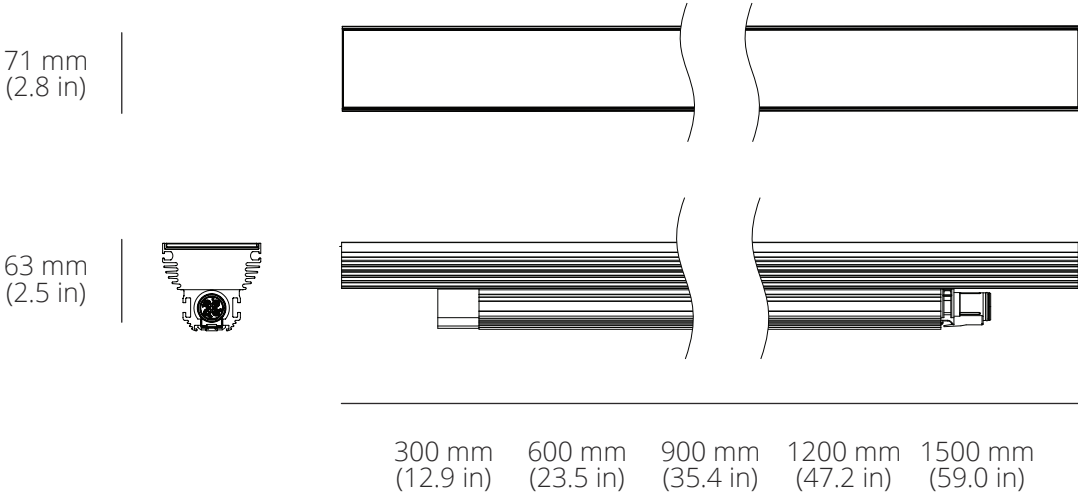
STR9® GEN3

DYNAMIC WHITE

DYNAMIC WHITE LINEAR WALL  
WASHING AND GRAZING LED  
LIGHTING

SPECIFICATIONS

- DELIVERED LUMENS: 3,514 lm/m (1,071 lm/ft)
- LIGHT SOURCE:  
4 in 1 High Power package – 2200K, 3000K, 4000K, 6000K
- POWER: 10W, 15W or 20W/ 300mm (1ft)
- INPUT VOLTAGE: ELV (48VDC), AC (120VAC, 277VAC, or 220~240VAC), or INF (380VDC)
- NOMINAL LENGTH:  
300<sup>1</sup>, 600, 900, 1200, or 1500 mm (1, 2, 3, 4, or 5 ft)
- WEIGHT: 1.0 kg/ 300 mm (2.2 lbs/ 1ft)
- ADDRESSABILITY: 300 mm (1 ft)
- CONTROL: DMX
- BODY FINISH: Clear matte or black matte anodized
- PROJECTED LIFETIME:  
L70 > 65,000hrs @ Ta = 50°C (122°F)
- OPERATING TEMPERATURE:  
-40°C to +50°C (-40°F to +122°F)
- ENVIRONMENT:  
Dry, Damp or Wet Locations Only
- IEC CLASS: Class 1 LED Luminaire



UNIBODY™  
GVA TECHNOLOGY

COLOR-AMP®  
GVA TECHNOLOGY

INFINITY®  
GVA TECHNOLOGY



1. 343 mm (1.1 ft) for INF (380VDC)

1. IK06 is standard; IK10 is available upon request



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