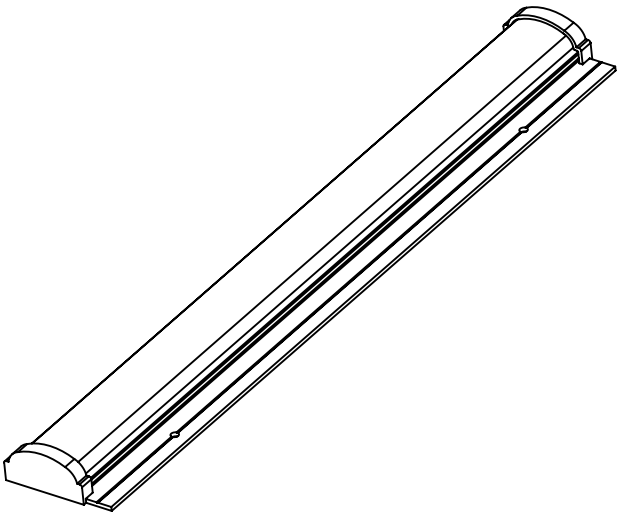
Product Specification Sheet

Date: _____

Type: _____

Company: _____

Project: _____



The STR7™ is a low profile strip luminaire designed for installations where performance is essential and space is limited.

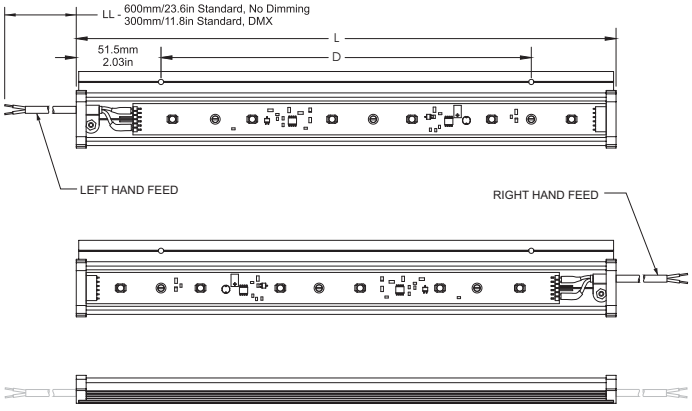
Typical Applications include showcase and under-cabinet lighting, cove, effect lighting, task and emergency lighting and delineation.

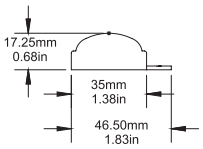
STR7™ is available in 6 color temperatures of white as well as Amber, Red, Green and Blue.

This Luminaire is particularly suited to installation in tight spaces where other fixtures simply will not fit. With external dimensions of only 45mm wide and 18mm high the STR7™ can be installed in the smallest of spaces.

Mounting onto almost any surface is easily achieved with number 4 screws through the integral mounting flange. It is strongly recommended that the luminaire be mounted onto a metal or concrete surface in order to sufficiently dissipate heat and ensure that the LEDs last their full rated lifetime.

Mechanical Drawing





Nominal	L		D	
	mm	in	mm	in
300	328	12.9	225	8.86
600	621	24.4	259.5	10.22
900	915	36.0	270.7	10.66
1200	1207	47.5	276	10.87
1500	1501	59.1	279.6	11.01
1800	1793	70.6	281.7	11.09
2100	2085	82.1	283.1	11.15
2400	2378	93.6	284.4	11.20

Features

- Interior application very low profile surface mounted strip light with high power LED light source
- Anodized aluminum body available in two standard finishes
- Easy to install with #4 screws through the mounting flange
- Cool beam , no heat (IR) or UV generated from light source
- Input voltage 24VDC
- Must be installed on metal or concrete surface for proper thermal management (Discuss your application with GVA Lighting)
- 5 Year Limited Warranty

Options

- Nominal lengths of 300mm, 600mm, 900mm, 1200mm, 1500mm, 1800mm, 2100mm and 2400mm.
- Clear Matte or Black Matte anodized body
- Clear or Opal lens.
- 3W or 7W per 300mm/1ft. segement
- 6 color temperatures of White diodes, plus Red, Amber, Green and Blue
- High CRI available for all colour temperatures of White LEDs
- On/Off or dimmable through DMX control. Compatible with GVA Lighting or third party DMX512-A control systems
- Analog or push dimming available with MD3 adapter

Specification Logic

FAMILY	NOMINAL LENGTH	DIRECTION	BODY COLOR	LENS COLOR	POWER PER 300MM/1FT.	LED COLOR	CRI**	CONTROL	CABLE LENGTH
STR7	**300** **600** **900** **1200** **1500** **1800** **2100** **2400**	**L** - Left hand feed **R** - Right hand feed	**CM** - Clear Matte **BM** - Black Matte	**CLR** - Clear **OPL** - Opal	**3W** **7W**	**2700K** **3000K** **3500K** **4000K** **5000K** **6500K** --- **AM**- Amber **RD** - Red **GR** - Green **BL** - Blue	**H3** - Standard (typ 85) **H1** - High CRI (typ 92)	**ND** - No Dimming, On/Off **DMX** - DMX Control 0~10V or DALI Dimming available through GVA Power-Data Equipment (DMX STR7 Required)	**LL300** - 300mm (1ft) Cable (standard option for DMX) **LL600** - 600mm (2ft) Cable Standard for non-dimmable fixtures) **LL1200** - 1200mm Cable (for non-dimmable fixtures) **LL2000** - 2000mm cable (for non-dimmable fixtures)

Product Configuration

GVA Lighting, Inc. 3400 Ridgeway Drive, # 14 Mississauga, Ontario L5L 0A2, Canada
Tel: + 1 905 569 6044 Fax: + 1 905 569 9823 Email: info@gvalighting.com
gvalighting.com

STR7™ Low Profile LED Strip Luminaire

Product Specifications

Nominal Length			300	600	900	1200	1500	1800	2100	2400
Electrical	Rated Input Voltage		24VDC							
	Power Consumption DC Side (typical, LEDs driven @ 300mA)	3W	3.6W	7.2W	10.9W	14.5W	18.1W	21.8W	25.4W	29W
		7W	7.2W	14.5W	21.7W	29W	36.3W	43.5W	50.8W	58.1W
	Approved Remote AC/DC Power Supplies		Use only with listed Class 2 power supply unit, 24VDC							
	Maximum run length for end-to-end connection* (to maintain class 2 circuit)	3W	8.1m, 27ft							
		7W	3.9m, 13ft							
Optical	Light Source		3 x 1W or 6 x 1W Nichia 183 series or Cree MX series LEDs							
	CRI** (For White 183 Series LEDs)		Standard CRI (H3): Min 75, Typ 85; High CRI (H1): Min 85, Typ 92							
	Lumens (typical for Standard CRI, 3500K LEDs @ 300mA @ 25°C ambient)***	7W	400	800	1200	1600	2000	2400	2800	3200
	Lumens de-rating coefficient depends on color temperature***	2700K	0.89							
		3000K	0.93							
		3500K	1.00							
		4000K	1.00							
		5000K	1.05							
		6500K	1.05							
	Lumens de-rating coefficient depends on CRI	High CRI (H1)	0.85							
	Beam Angle (FWHM)		120°							
	Projected Lumen Maintenance****		50,000 hours @ 30°C (B50, L70)							
Control	Interface Options		On/Off (No Dimming) DMX512-A compatible (when applicable) 0~10V or DALI Control through GVA Power-Data Equipment							
	Control Systems		Pharos or any third party DMX512-A controllers Third party 0~10VDC or DALI controller							
Physical	Width x Height	mm	46.5 x 17							
		inches	1.83 x 0.67							
	Actual Length	mm	328	622	915	1207	1501	1793	2085	2378
		inches	12.9	24.48	36.02	47.52	59.1	70.6	82.1	93.6
	Weight	kg	0.15	0.3	0.45	0.6	0.75	0.9	1.05	1.20
		lbs	0.33	0.66	0.99	1.32	1.65	1.98	2.31	2.64
	Housing		Extruded aluminum body, ABS endcaps, Provista Copolymer or Acrylic lens							
	Fixture Connections		0.6m/2ft lead cable with stripped wires							
	Rated Operating Temperature****		-10°C to +30°C, 14°F to 86°F							
	Environment		Dry Locations, 0-80% humidity, non condensing							
Certification & Safety	Listings		cULus, CE, RoHS							
	UL Classification		Low Voltage LED Class 2 Luminaire							
	IEC Classification		Surface Mount, Indoor-Use, Class III, IP40, for normal use							
	LED Class		Class 2 LED product							

c UL us LISTED

CE

IP40

RoHS

* Values for standard drive current. Longer runs achievable with under-driven LEDs. Nominal length shown; actual length = actual fixture lengths + fixture spacings

** CRI only applicable to White LEDs

*** These figures are subject to change due to further development and innovations of LED light sources.

**** Luminiare must be mounted on metal or concrete surface for proper thermal management

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