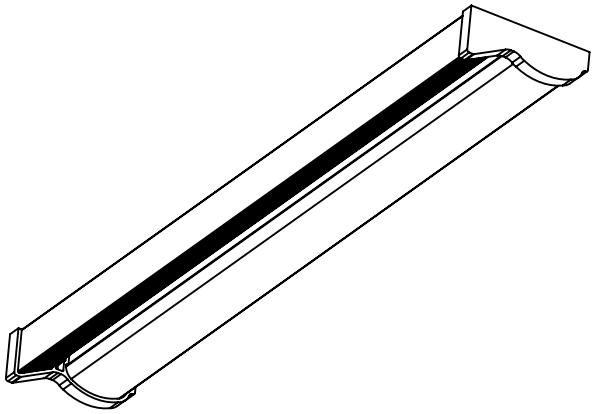
Product Specification Sheet

Date: _____

Type: _____

Company: _____

Project: _____



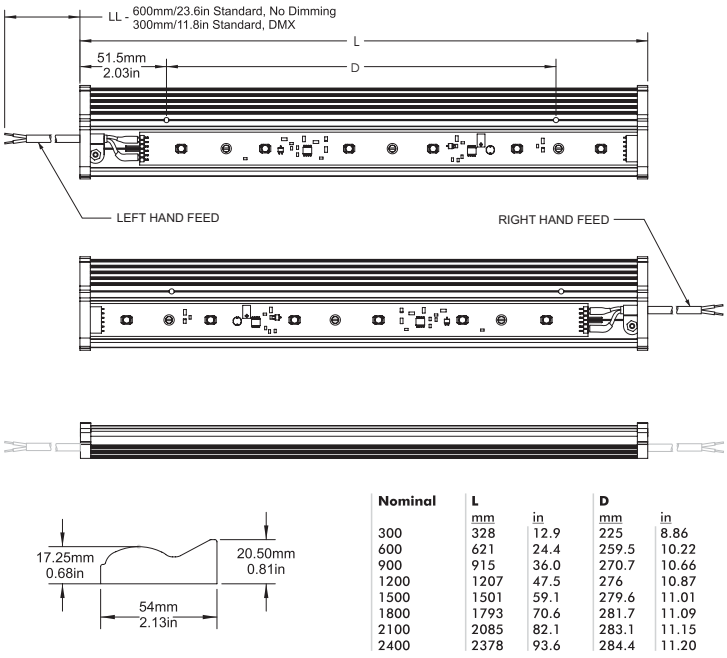
The STR8® is a patented LED strip luminaire (Patent # 2,541,494). The unique form of the STR8® body performs the dual function of heat sink and glare control valance. Typical applications include cove, under-cabinet, display case, retail and task lighting.

The STR8® is available in 6 color temperatures of White LEDs as well as Amber, Red, Green and Blue.

GVA's design expertise has lead to the development of the patented body of the STR8®. An array of heat fins run the length of the luminaire body and efficiently move heat away from the LEDs and other electronic components. This increases the functional lifetime of the luminaire. The particular shape and position of the fins allows them to also function as a glare control valance. No projected light is lost, yet in most installations, the high brightness LED light sources remain hidden from view behind the fins.

The STR8®'s low profile, only 55mm wide and 21mm high, makes it an ideal luminaire for installations where space is limited. It is easily mounted onto almost any surface with number 4 screws through its mounting flange.

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

- Low profile surface mounted strip light with high power LED light source
- Anodized aluminum body available in two standard finishes
- Extruded aluminum base is designed with heat fins for superior thermal management
- Heat fins also act as a glare shield to hide LEDs from direct view
- Easy to install with #4 screws through the mounting flange
- Power/Data cable - 600mm standard length
- Cool beam, no heat (IR) or UV generated from light source
- Input voltage 24VDC
- 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. segment
- 6 color temperatures of White diodes, plus Amber, Red, 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
- Magnetic Strip Mounting

Specification Logic

FAMILY	NOMINAL LENGTH	DIRECTION	BODY COLOR	LENS COLOR	POWER PER 300MM/1FT.	LED COLOR	CRI**	CONTROL	CABLE LENGTH
STR8	**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

Product Specifications

			300	600	900	1200	1500	1800	2100	2400
Nominal Length										
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	54 x 20.5							
		inches	2.13 x 0.8							
	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	0.25	0.45	0.68	0.91	1.14	1.36	1.59	1.82
		lbs	0.55	1.0	1.5	2.0	2.5	3.0	3.5	4.0
	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.

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