

# ORGARAIL. Illuminated Handrail INSERT System



A contractor friendly linear lighting strip system for installing continuous flexible 24V LED strip into 1.5" - 4" round standard Cap Rails.

Maintainable, replaceable OrgaLED® strip slides into rails from one end, speeding installation and avoiding mishandling of LED's and sensitive electronic components.

OrgaRail® inserts convert most standard Cap Rail into the most sophisticated installer friendly handrail lighting available, and can also be installed in standard or custom wood handrails.

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## Insert Features

- For use with C.R. Laurence GRS round Cap Rails or similar handrails.
- Handrail installer is responsible for field measurements.
- Handrail hardware supplied by other railing manufacturer. (eg: C.R. Laurence).
- Easy to assemble and install.
- Compatible with 1.5" / 1.66" / 1.9" and multiple handrail diameter options.
- Available in 4ft increments.

## OrgaLED Features

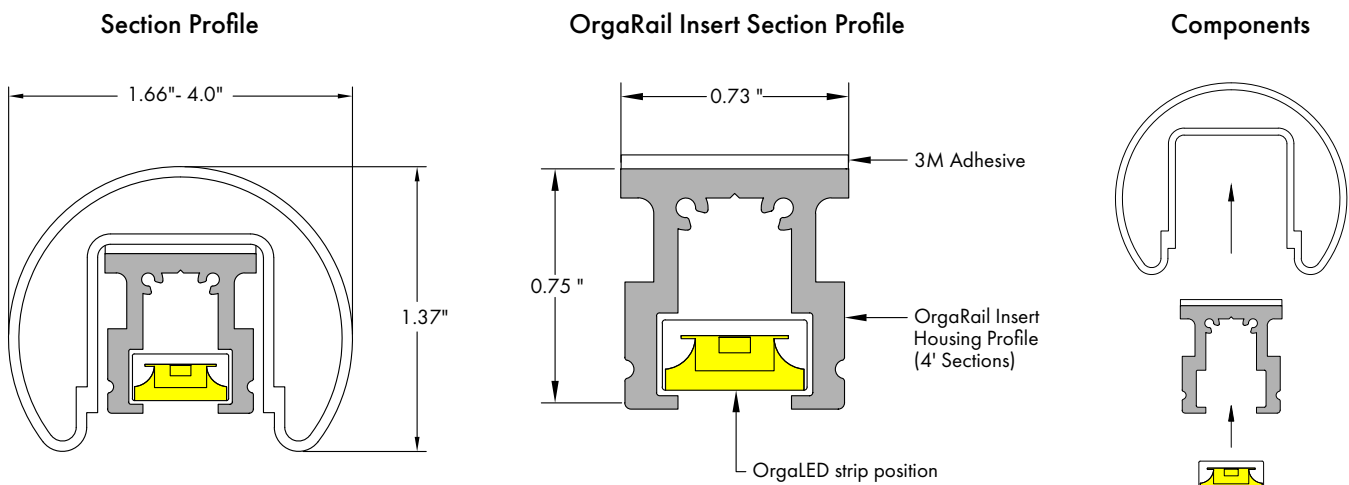
- MAX LED run length of 33' with remote power supply.
- Standard color temperatures in 2700K, 3000K, 3500K, 4000K, 5000K.
- Dimmable.
- 94 CRI+.
- 50,000 hour LED life.
- Low voltage 24VDC, Class 2.
- IP40; IP67 wet location.
- Warranty: 5 years.



ORGARAIL INSERT SYSTEM features housing with slide-in OrgaLED LED installation.

## Profile Dimension

Dimensions for reference only



Specifications sheets are subject to change without notification.

# ORGARAIL<sup>®</sup> Illuminated Handrail INSERT System

OrgaRail<sup>®</sup> Inserts enable long lengths of up to 33ft of flexible waterproof LED strips to be slid in from the power entry point and replaced just as easily. The insert profiles retain the strip securely without the need for additional lenses.

## CONTINUOUS LONG RUNS:

OrgaRail<sup>®</sup> Post Top or Wall Mounts are designed to enable continuous feeds through the mounting support. When used with other manufacturers systems, such as CRL where the mounting components may block direct run through the insert profiles should be field cut to fit between posts with a one and a half inch gap each side of the posts, which enable the strip to transition from post to post section, by feeding it manually over the connection point.

## OrgaLED Top LED



- Very Flexible (Bend radius >1.2")
- High Efficacy
- High Density
- 24V DC - Low Voltage, Class 2
- Field Cuttable 1.96in
- 8 LED per cuttable section

## PART NUMBER & SPECIFICATIONS

### OrgaLED<sup>®</sup> Deco Top

Part #	Color	CRI	lm/ft*	W/ft
041101	2700K	>94	41.4	0.3
041102	3000K	>94	42.6	0.3
041103	3500K	>94	42.6	0.3
041104	4000K	>94	45	0.3
041105	5000K	>94	45	0.3

### OrgaLED<sup>®</sup> Power Top

Part #	Color	CRI	lm/ft*	W/ft
041201	2700K	>94	138	1.25
041202	3000K	>94	142	1.25
041203	3500K	>94	142	1.25
041204	4000K	>94	147	1.25
041205	5000K	>94	150	1.25

### OrgaLED<sup>®</sup> High Power Top

Part #	Color	CRI	lm/ft*	W/ft
041301	2700K	>94	234.6	2.16
041302	3000K	>94	241.4	2.16
041303	3500K	>94	241.4	2.16
041304	4000K	>94	254	2.16
041305	5000K	>94	255	2.16

\*Data based on PCB without housing

## OrgaRail<sup>®</sup> Illuminated Handrail Insert

Part #	Description
012959	OrgaRail Illuminated Handrail Insert

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Organic Lighting<sup>®</sup> | 12203 Magnolia Ave Suite 1, Riverside, CA 92503 | 626.969.6140 | organiclighting.com | 01/2023 V8



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## LED ACCESSORIES

OrgaLED strips offer a range of 'Plug & Play' IP40 and IP67 field installable connectors or factory installed IP67 connections.



**Starter Cable 16ft**  
IP40 / IP67  
#041002



**L-Connector Starter Cable 16ft**  
IP40 / IP67  
#041003



**Jumper Cable 8in**  
IP40 / IP67  
#041004



**Top End Cap | IP40**  
#041001



**L-Splice Connector**  
IP40 / IP67  
#041005



**IP67 Field Kit**  
#011511

# ORGARAIL. Illuminated Handrail INSERT System



## POWER SUPPLIES



0-10V Driver



Magnetic Driver

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### Power Supplies - 24V

Part #	Ingress	Voltage	Wattage	LxWxH	Description
011380	IP20	120-277V	25W	9.1"x1.61"x1.17"	0-10V Driver
011381	IP20	120-277V	40W	9.1"x1.61"x1.17"	0-10V Driver
011382	IP67	120-277V	60W	9.1"x1.61"x1.17"	0-10V Driver
011383	IP67	120-277V	75W	9.1"x1.61"x1.17"	0-10V Driver
011384	IP67	120-277V	100W	9.1"x1.61"x1.17"	0-10V Driver
011350	NEMA 3R	120-277V	20W	5.6"x2"x2.14"	Magnetic Phase Dimming Driver
011351	NEMA 3R	120V	40W	5.6"x2"x2.14"	Magnetic Phase Dimming Driver
011352	NEMA 3R	120V	50W	6.55"x2.25"x2.55"	Magnetic Phase Dimming Driver
011353	NEMA 3R	120V	60W	6.55"x2.25"x2.55"	Magnetic Phase Dimming Driver
011354	NEMA 3R	120V	96W	6.55"x2.25"x2.55"	Magnetic Phase Dimming Driver
011355	NEMA 3R	120V	100W	9.8"x3"x2.74"	Magnetic Phase Dimming Driver
011356	NEMA 3R	120V	150W	9.8"x3"x2.74"	Magnetic Phase Dimming Driver
011357	NEMA 3R	120V	200W	9.8"x3"x2.74"	Magnetic Phase Dimming Driver
011358	NEMA 3R	120V	300W	10.07"x4.2"x3.5"	Magnetic Phase Dimming Driver
011359	NEMA 3R	277V	60W	6.55"x2.25"x2.55"	Magnetic Phase Dimming Driver
011360	NEMA 3R	277V	150W	9.8"x3"x2.74"	Magnetic Phase Dimming Driver

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## REPLACING INDIVIDUAL LIGHTING FIXTURES: (other manufacturers rails)

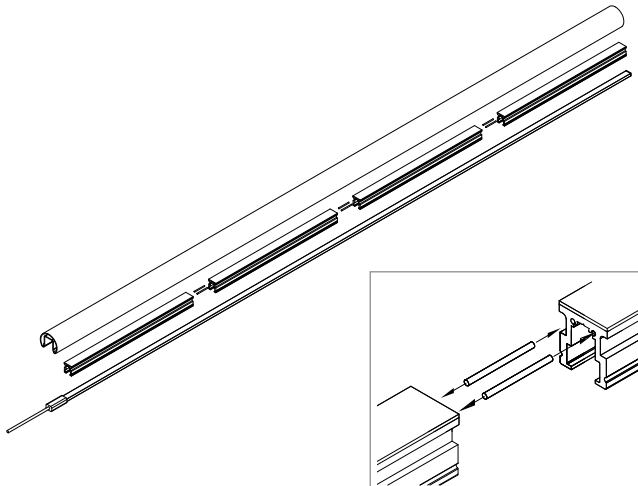
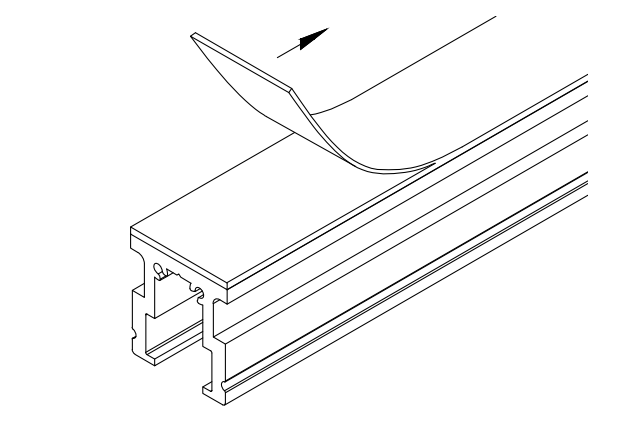
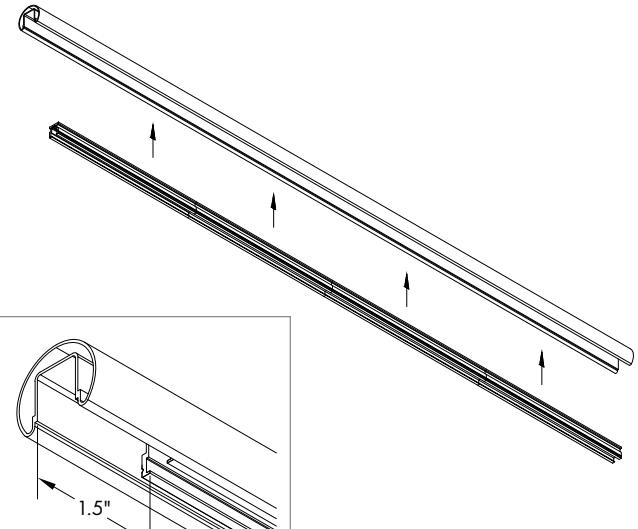
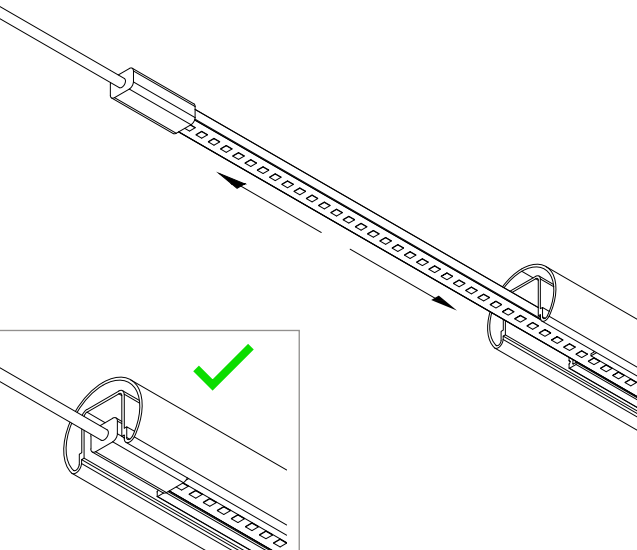
Where an existing illuminated railing light with individual light fixtures between posts or wall mounts is being replaced, the insert profile and strips can be cut to length and connected to existing through wiring connections.

OrgaRail Insert profiles also contain a wire-thru cavity which enable secondary low voltage wire runs to be run.

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## Installation Guide

<p><b>1</b></p> <ol style="list-style-type: none"><li>1. Field cut OrgaRail inserts to match the full length of the handrail</li><li>2. Use dowel pins to perfectly butt them up.</li></ol> 	<p><b>2</b></p> <ol style="list-style-type: none"><li>1. Take off 3M adhesive backing on all the OrgaRail inserts.</li></ol> 
<p><b>3</b></p> <ol style="list-style-type: none"><li>1. Leave 1.5" gap for all power feed connections.</li><li>2. Firmly place directly in the center of the handrail.</li></ol> 	<p><b>4</b></p> <ol style="list-style-type: none"><li>1. Slide OrgaLED strip into the OrgaRail Insert.</li></ol> 

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