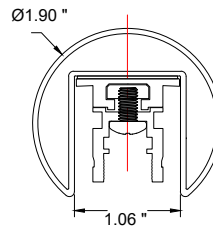


OrgaRail® Illuminated Handrail

ROUND Ø 1.90"



ORGANIC LIGHTING®

Project
Type
Date

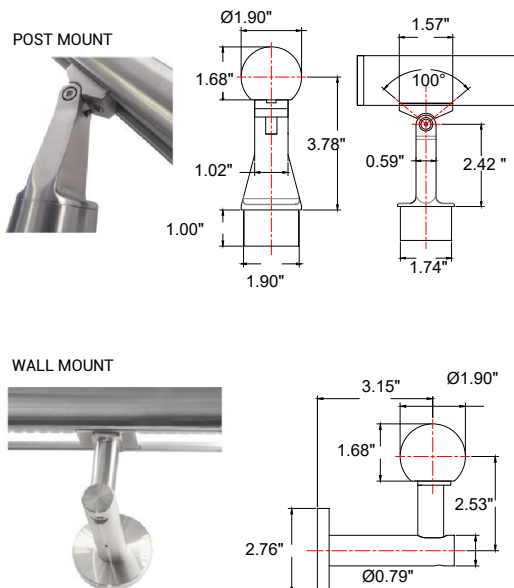
FEATURES

- Heavy duty stainless steel handrail: AISI 316
- Dimensions: 1.90" OD
- Curved handrail (10 ft. radius or greater) is available upon request CHANNEL for continuous liniLED® Top LED strip
- Energy efficient and dimmable
- The OrgaLED® strip press fits securely into the channel
- Wall and post brackets are designed for quick and easy installation
- Available in various colors and luminous intensities
- Manufactured in the US/EU
- ADA compliant

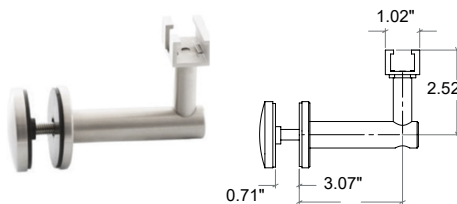
MOUNTING

Wall or post mounted, glass infill option or glass wall/panel mounting.
* Glass by others.

MOUNTING DIMENSIONS



GLASS WALL PANEL MOUNT



GLASS INFILL OPTION



OPTICS

OrgaLED® LED strips available in three white luminous intensities:

- Low output (Deco 33-39 lm/ft)
- Medium output (Power 113-122 lm/ft)
- High output (High Power 227-257 lm/ft)
- Warm White 2700K and 3000K, and Natural White 4000K

CONNECTING

The maximum unit length of the handrail is 16.4ft and can easily be connected mechanically or by welding. All handrails can be applied indoor and outdoor.

CURVES & SPIRAL CURVES

2D curved rails create horizontal curved rails.

3D curved rails for spiral stairways require horizontal and vertical bending with special alignment techniques with welded and polished sections according to the spiraling details.

LENS



STANDARD AND CUSTOMIZED ANGLES

There are three standard angles for the OrgaRail® Handrails: 45°, 90° and 120°. Other angles can be customized upon request.

(top view)

45°
Angle



90°
Angle



120°
Angle



Custom
Angle



Specifications are correct at the time of publishing, but may be modified or improved in accordance with current electrical, safety or manufacturing methods without notification.

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HOW TO SPECIFY YOUR ENERGY EFFICIENT HANDRAIL

As each lighting project is unique, all the components of the OrgaRail® Illuminated Handrail are professionally customized. Therefore, it is of great importance to provide fully dimensioned plans, DWG files and detailed drawings, in addition to the useful menu below.



ILLUMINATED HANDRAIL TECHNICAL DETAIL

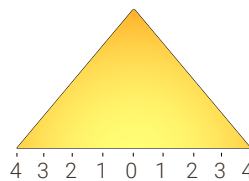
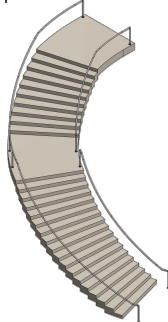
Profile	Length	LED	CCT	Beam	Mount	Lens	Connector	Options
HR2								
HR2 1.9"	X length in feet	D Deco 0.3W/ft P Power 1.28W/ft HP High Power 2.89W/ft	27 2700K 30 3000K 40 4000K RG RGB R Red G Green B Blue A Wildlife Amber	A Asym. S Sym.	P Post W Wall	LC Clear LF Frosted	I Interior (IP40) E Exterior (IP67)	PR Post Return WR Wall Return IN Interlinking EC End Cap CV2D Curved 2D CV3D Curved 3D (spiral) N None

ADDER ACCESSORIES

Profile	Elbows/Accessories
HR2	
HR2 1.9"	45V 45° Vertical 90V 90° Vertical 120V 120° Vertical 45H 45° Horizontal 90H 90° Horizontal 120H 120° Horizontal FL Flange Kit CU Custom

Profile	Infills
HR2	
HR2 1.9"	GB Glass Brackets RL Railing CL Cables

3D Spiral Curve



OrgaLED® ILLUMINATED HANDRAIL TYPICAL FC. LEVELS

Handrail Model	Handrail Height	0	1'	2'	3'	4'
Symmetric FC Levels						
Deco 3000K	34.5" H	4.3	3.5	1.9	0.69	0.24
Power 3000K	34.5" H	16	16	7	2.5	0.72
High Power 3000K	34.5" H	27	27	12	5.7	1.4
Asymmetric FC Levels						
Deco 3000K	34.5" H	1.4	1.4	0.98	0.49	0.25
Power 3000K	34.5" H	5.4	5.5	3.8	2	0.98
High Power 3000K	34.5" H					

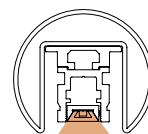
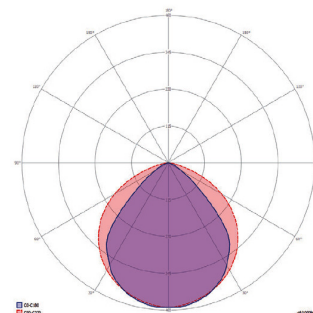
ORGANIC LIGHTING®

Project

Type

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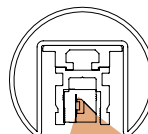
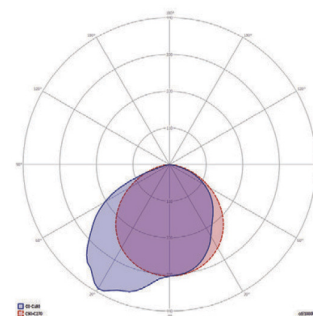
SYMMETRIC DIAGRAM



Full cut-off

ASYMMETRIC DIAGRAM

NOTE: Can only be used on the 1.9" diameter handrail



Full cut-off



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