A handrail and a light fixture, raising the bar for minimalistic design by combining these two essential building elements into one. VIVA's iRail™ is engineered with high performance and long lasting LED’s. Available in a cool and warm white colors, light intensities and housing profiles, this ADA compliant rail can be used for interior and exterior applications.
## iRAIL™ RAILING SYSTEM - SPECIFICATIONS

<table>
<thead>
<tr>
<th>TOP RAIL / HAND RAIL</th>
<th>FINISH</th>
<th>SPEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>iRAIL LINEAR ¹ (CONTINUOUS RAIL)</td>
<td>Ø1-1/2&quot; Stainless Steel (304 or 316)</td>
<td>#6 Satin</td>
</tr>
<tr>
<td></td>
<td>Ø2&quot; Wood (Red Oak, White Oak, Cherry or Maple) ²</td>
<td>Unstained</td>
</tr>
<tr>
<td>iRAIL PODS</td>
<td>Ø1-1/2&quot; Stainless Steel (304 or 316)</td>
<td>#6 Satin</td>
</tr>
<tr>
<td></td>
<td>Ø2&quot; Stainless Steel (304 or 316)</td>
<td></td>
</tr>
</tbody>
</table>

- **Color:** 3000K Warm White or 4000K Cool White
- **Output:** Medium: 3 Watt/ft – 185 lumens/ft. or High: 5 Watt/ft – 250 lumens/ft.
- **Beam Angle:** 120°
- **Orientation:** Symmetrical or Asymmetrical at 30°
- **Power:** Input 120 - 277 V AC, Output 12 V DC
- **CRI:** 91
- **Rating:** IP67

- **Color:** 3000K Warm White or 4000K Cool White
- **Output:** 1.5 Watt - 90 lumens for sym., 76 lumens for Asym. per pod
- **Beam Angle:** 60°
- **Orientation:** Symmetrical or Asymmetrical at 22°
- **Power:** Input 120 - 277 V AC, Output 24 V DC
- **CRI:** >80
- **Rating:** IP67

(1) All iRAIL LINEAR products are ETL certified; ETL mark is proof of product compliance to North American safety standard.

(2) Other species available upon request.
ILLUMINATED RAILING SYSTEM

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>iRAIL LINEAR SPEC</th>
<th>iRAIL POD SPEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>3000K Warm White</td>
<td>3000K Warm White</td>
</tr>
<tr>
<td></td>
<td>4000K Cool White</td>
<td>4000K Cool White</td>
</tr>
<tr>
<td>Output</td>
<td>Medium Intensity: 3 Watt/ft - 185 lumens/ft</td>
<td>Sym: 90 lumens, 1.5 Watt per pod</td>
</tr>
<tr>
<td></td>
<td>High Intensity: 5 Watt/ft - 250 lumens/ft</td>
<td>Asym: 76 lumens, 1.5 Watt per pod</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>120°</td>
<td>60°</td>
</tr>
<tr>
<td>Orientation</td>
<td>Symmetrical or Asymmetrical at 30°</td>
<td>Symmetrical or Asymmetrical at 22°</td>
</tr>
<tr>
<td>Power</td>
<td>Input 120V / 277V, Output 12 VDC</td>
<td>Input 120V / 277V, Output 24 VDC</td>
</tr>
<tr>
<td>Lens</td>
<td>Clear or Frosted</td>
<td>n/a</td>
</tr>
<tr>
<td>CRI</td>
<td>91</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Rate</td>
<td>IP67</td>
<td>IP67</td>
</tr>
</tbody>
</table>

VIVA's iRAIL LINEAR Product Line is ETL certified; ETL mark is proof of product compliance to North American Safety Standard.

PROVIDE ONE PAIR OF WIRES 14 GA (BLACK-RED) FOR EVERY iRAIL RUN. EVERY iRAIL RUN COVERS:
- 32ft MAX FOR iRAIL LINEAR MEDIUM INTENSITY (3 W/ft)
- OR 16ft MAX FOR iRAIL LINEAR HIGH INTENSITY (5 W/ft)
- OR 32ft MAX FOR iRAIL POD
VIVA RAILINGS IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF ANY BUILDING SYSTEMS OR OTHER MATERIALS NOT FURNISHED BY VIVA RAILINGS. VIVA RAILINGS HAS NO WAY OF KNOWING AND SPECIFICALLY DISCLAIMS WHETHER OR NOT THE BUILDING SYSTEMS TO WHICH VIVA RAILINGS' PRODUCTS ARE TO BE ATTACHED ARE STRUCTURALLY SOUND OR DESIGNED TO PROPERLY SUPPORT VIVA RAILINGS'S MATERIALS. ANY SUCH DESIGN RESPONSIBILITY BELONGS TO OTHERS FOR WHOM VIVA RAILINGS IS NOT RESPONSIBLE.

THESE DRAWINGS ARE INTENDED FOR THE SOLE USE OF VIVA RAILINGS' CUSTOMER AND THEIR AGENTS FOR THE INSTALLATION OF PRODUCTS FURNISHED BY VIVA RAILINGS. VIVA RAILINGS REMAINS THE SOLE OWNER OF ALL DESIGNS AND INTELLECTUAL PROPERTY CONTAINED WITHIN. REPRODUCTION AND USE OF THESE DESIGNS FOR ANY OTHER PURPOSE IS FORBIDDEN. SCALES ARE PROVIDED FOR REFERENCE ONLY. FOR PRODUCT INFORMATION AND TECHNICAL SUPPORT, PLEASE CONTACT VIVA RAILINGS.

Illuminated WallRail
Detail# IR-W01

Illuminated Handrail or Top Rail
Detail# IR-W02

Illuminated FSR
Detail# IR-W03

Illuminated Shoe Handrail
Detail# IR-W04

"WALL OR FLOOR WIRE FEED ENTRY REQUIRED AT RAILING TERMINAL POINT TYP."
VIVA RAILINGS IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF ANY BUILDING SYSTEMS OR OTHER MATERIALS NOT FURNISHED BY VIVA RAILINGS. VIVA RAILINGS HAS NO WAY OF KNOWING AND SPECIFICALLY DISCLAIMS WHETHER OR NOT THE BUILDING SYSTEMS TO WHICH VIVA RAILINGS’ PRODUCTS ARE TO BE ATTACHED ARE STRUCTURALLY SOUND OR DESIGNED TO PROPERLY SUPPORT VIVA RAILINGS’ MATERIALS. ANY SUCH DESIGN RESPONSIBILITY BELONGS TO OTHERS FOR WHOM VIVA RAILINGS IS NOT RESPONSIBLE.

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Illuminated Handrail or Top Rail
Detail# IR-W02

Illuminated FSR
Detail# IR-W03

Illuminated Shoe Handrail
Detail# IR-W04

"WALL OR FLOOR WIRE FEED ENTRY REQUIRED AT RAILING TERMINAL POINT (TP)."
### ILLUMINATED RAILING SYSTEM

<table>
<thead>
<tr>
<th>LIGHT COLOR</th>
<th>INTENSITY (OUTPUT)</th>
<th>POWER</th>
<th>X</th>
<th>Y</th>
<th>0'</th>
<th>1'</th>
<th>2'</th>
<th>3'</th>
<th>4'</th>
<th>5'</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDIUM</td>
<td>185 lumens/ft</td>
<td>3 W/ft</td>
<td>36'</td>
<td>44.1</td>
<td>30.3</td>
<td>15.6</td>
<td>16.2</td>
<td>10.3</td>
<td>5.5</td>
<td>3.0</td>
</tr>
<tr>
<td>HIGH</td>
<td>250 lumens/ft</td>
<td>5 W/ft</td>
<td>36'</td>
<td>59.5</td>
<td>41.2</td>
<td>10.3</td>
<td>12.8</td>
<td>6.6</td>
<td>3.8</td>
<td></td>
</tr>
<tr>
<td>4000 K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDIUM</td>
<td>185 lumens/ft</td>
<td>3 W/ft</td>
<td>36'</td>
<td>44.5</td>
<td>31.6</td>
<td>15.2</td>
<td>13.8</td>
<td>7.2</td>
<td>3.8</td>
<td>2.2</td>
</tr>
<tr>
<td>HIGH</td>
<td>250 lumens/ft</td>
<td>5 W/ft</td>
<td>36'</td>
<td>61.7</td>
<td>43.8</td>
<td>21.6</td>
<td>10.5</td>
<td>5.3</td>
<td>3.1</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** All values in Foot Candle (FC) +/-15%. Values using clear lens.

---

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h: Illuminated Rail Height
PS: Pod Spacing

PLAN VIEW, h=36”, PS=24”, SYMMETRIC PODS
FC: MAX=14.9, MIN=0.1, AVE.=4.6

PLAN VIEW, h=36”, PS=24”, ASYMMETRIC PODS
FC: MAX=11.9, MIN=0.1, AVE.=3.8

PLAN VIEW, h=42”, PS=24”, SYMMETRIC PODS
FC: MAX=12.7, MIN=0.2, AVE.=4.5

PLAN VIEW, h=42”, PS=24”, ASYMMETRIC PODS
FC: MAX=10.1, MIN=0.1, AVE.=3.7
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iRAIL™

ILLUMINATED RAILING SYSTEM

iRAIL LINEAR ORDER CODE:

IR-LIN-1.5-304-3K-M-CL-0°

- Orientation, Symmetric
  - 0°
  - 30°
- Lens type, Clear
  - CL
- Intensity, Medium
  - M
- Light color: Warm white 3000k
  - 3K
  - Cool white 4000k
  - 4K
- Railing Material: Stainless Steel 304
  - 304
  - Stainless Steel 316
  - 316
  - Red Oak
  - ROK
  - White Oak
  - WOK
  - Maple
  - MPL
  - Cherry
  - CHR
- Available Applications: Ø1-1/2" E-Tube
  - 1.5
- Ø2" Wood
  - 2W

iRAIL Pod ORDER CODE:

IR-POD-1.5-304-3K-0°

- Orientation, Symmetric
  - 0°
- Asymmetric
  - 30°
- Light color: Warm white 3000k
  - 3K
  - Cool white 4000k
  - 4K
- Alloy Composition: Stainless Steel 304
  - 304
  - Stainless Steel 316
  - 316
- Available Applications: Ø1-1/2" Tube
  - 1.5
- Ø2" Tube
  - 2

iRAIL™

VIVA RAILINGS, LLC
1454 HALSEY WAY, CARROLLTON, TX 75007
P: 972-353-8482   F: 972-353-0013
e: info@vivarailings.com     www.vivarailings.com

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What could be more beautiful than a Texas sunset along a half mile boardwalk that lights the entirety of the walkway using subtle LED’s hidden directly within the railing? The brand new Grandscape Boardwalk features over 2,000 linear feet of our CIRCA™ Picket Railing System and iRAIL Illuminated Railing. This is just the first stage of the ever expanding Grandscape Boardwalk by LMG Ventures.

**Project Details:**
Location: The Colony, TX
General Contractor: LMG Ventures
Architect: O’Brien Architects
Finish: #6 Satin Stainless Steel
Project Scope: 824 Linear Feet of Railings
Infill: Picket Panels & iRAIL LED Railing
Design & Installation Hours: 199
The University of Texas at Austin Moody College of Communication coincides with the School of Journalism and late night projects forced students to walk across the busy streets after hours. The recent addition of the Moody Bridge connecting the two via VIVA’s iRAIL™ illuminated railing, the sky bridge provides students a lighted, safe way between buildings. The CIRCA™ Cable System chosen alongside the iRAIL™ is a perfect complement to the cylindrical structure of the sky bridge.

**Project Details:**
- **Location:** Austin, TX
- **General Contractor:** Flintco, LLC - Austin
- **Architect:** Lawrence Group
- **Finish:** #6 Satin Stainless Steel
- **LED Illuminated iRail**
- **4000K High Output**
- **Project Scope:** 600 Linear Feet of Railings
- **Infill:** 3/16” Stainless Steel Cable
- **Design & Installation Hours:** 820
Nearly 12 acres and 58,000 sq. ft. of beautiful landscape surrounding the new BB&T Conference Center in North Carolina. Featuring a five-day leadership course and several other group programs, the BB&T Leadership Conference Center is a truly unique experience. Walking between the eight state-of-the-art buildings in the forest canopy, our iRAIL™ LED Illuminated Railing light the way late at night without having bright spotlights scattered throughout the landscape.

**Project Details:**
- **Location:** Greensboro, NC
- **General Contractor:** Blum Construction
- **Architect:** CJMW Architecture, Inc.
- **Finish:** Matte Black Powder Coat
- **LED Illuminated iRail**
- **3000K High Output**
- **Project Scope:** 1,809 Linear Feet of Railings
- **Infill:** 3/16” Stainless Steel Cable
- **Design & Installation Hours:** 621
For the first time in decades, all generations of Perot family reside in one location. Historical Photos adorn the hallways that tell the story of the rich heritage of the Perot family. Their brand new offices features our CUBE™ Cable Railing and iRAIL™ LED which provides a private walkway to the Katy Trail behind the campus. The front entrance features our FSR™ iRAIL™ along the entirety of the stairs and the CUBE™ Cable follows along to the parking garage below.

**Project Details:**
- **Location:** Dallas, TX
- **General Contractor:** Balfour Beatty Contractors
- **Architect:** Mithun INC
- **FINISH:** #6 Satin Stainless Steel
- **LED Illuminated iRAIL**
- **Infill:** 3/16” Cable
- **Design & Installation Hours:** 750