Inula

Application Guide

selux

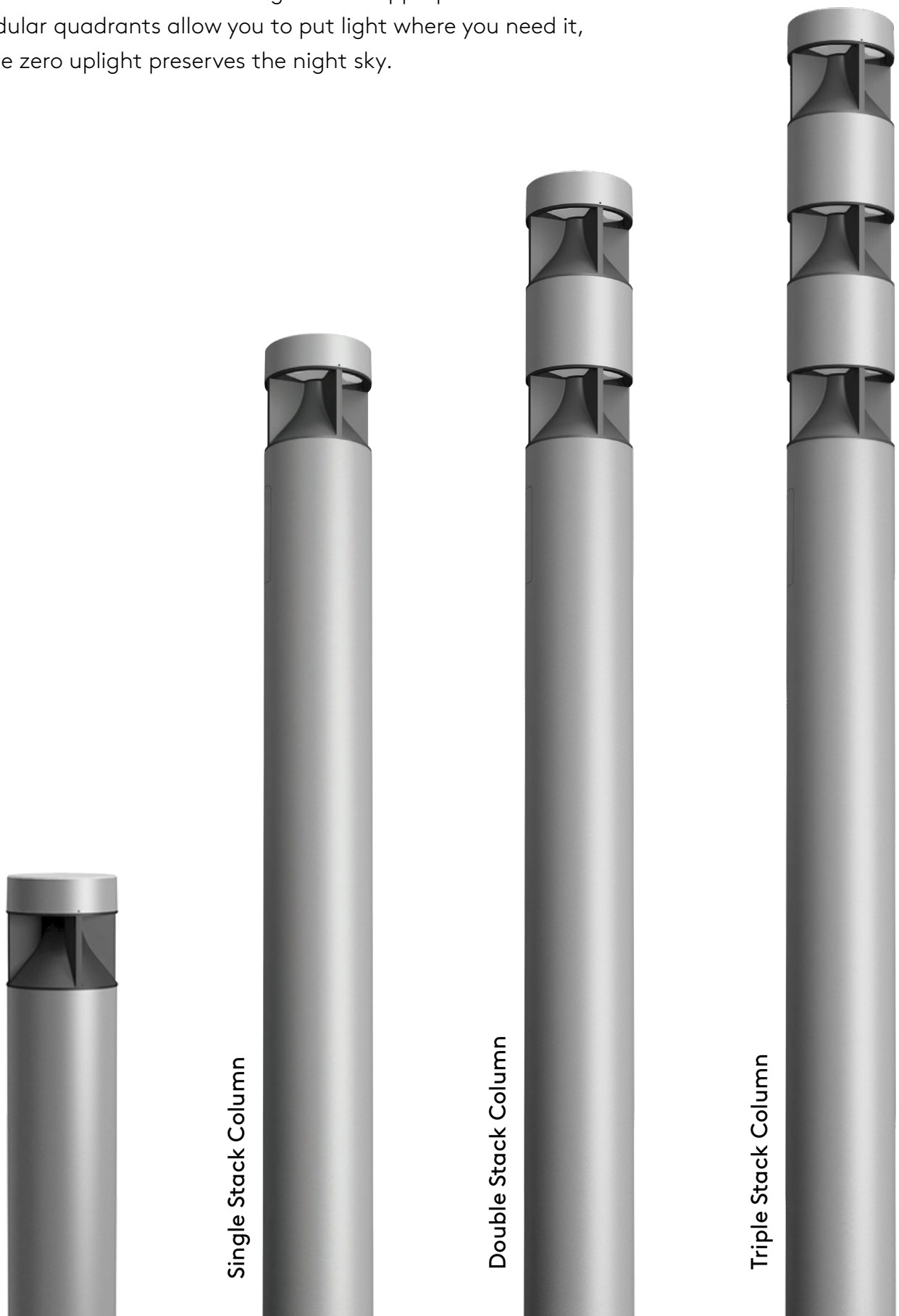
Product Specifications

Light Engine:	High-power LED; 80+ CRI
Output:	Up to 12,000lm; up to 78lm/W
CCT:	Amber, 2700K, 3000K, 4000K, 5000K; 3 Step-Binning
Distributions:	1Q, 2Q90, 2Q90MU (Bollard Only), 2Q180, 3Q, 4QS, 4QD
Options:	Dimming, Hi-Lo Switching, Emergency Battery Pack, Integrated Speaker, GFCIs, Motion Sensor with Optional Photocell, Button Photocell, Stackable Light Engines (Column Only)
Mounting:	Column, Bollard

Sirocco on the Water, Squamish, British Columbia
Photo courtesy of Brett Ryan Studios

Inula Family

Inula is an Ø8" bollard and column family from Selux. The Inula Column has a choice of 1-3 light stacks, giving you the freedom to add more or less light when appropriate. Four modular quadrants allow you to put light where you need it, while zero uplight preserves the night sky.



Inula Column

Inula Column is a visually comfortable and energy efficient luminaire. This column is the perfect complement to the Inula Bollard - whether you are illuminating pathways, courtyards, or parks, this luminaire provides comfort and security while conserving energy costs and aiding in green development.

Inula Bollard

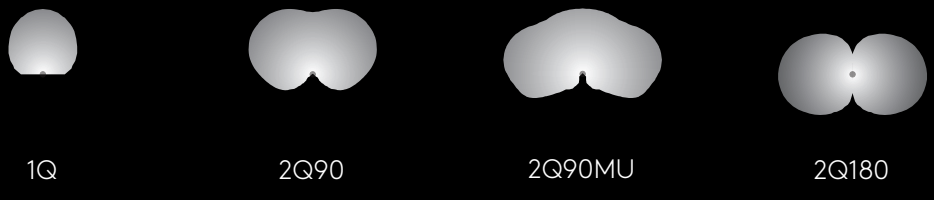
Inula Bollard is a sophisticated and enviromentally friendly pathway luminaire with zero uplight. The proprietary optics provide clean light patterns with no striations. This energy efficient low level pathway luminaire is perfect for a designer in need of a bollard with no uplight, preventing sky glow or visual glare, and is complemented perfectly by the Inula Column when higher light levels are needed.

Modular Light Distribution

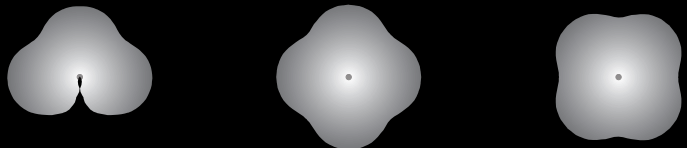
Inula is comprised of four quadrants of light distribution — with a modular design, Inula can distribute light in patterns of 90°, 180°, 270° and 360°. It was designed with a dedication to Dark Sky preservation. A variety of seven distributions allow you to place light only where it is needed. Selux continuously strives to progress product designs and optical performance.

The latest progression of optical design for the Inula LED bollard is a maximum uniformity (MU) optic. While still meeting the requirements of the International Dark Sky Association (IDA), the 2Q90MU optic improves the spread of light, increasing allowable spacing and greatly improving uniformity of illumination on a path or walkway.

Standard Distributions



1Q 2Q90 2Q90MU 2Q180



3Q 4QD 4QS

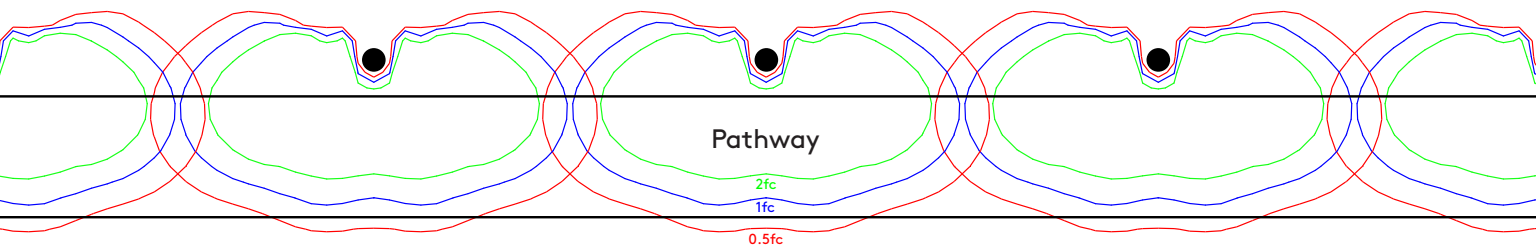
Sirocco on the Water, Squamish, British Columbia
Photo courtesy of Brett Ryan Studios

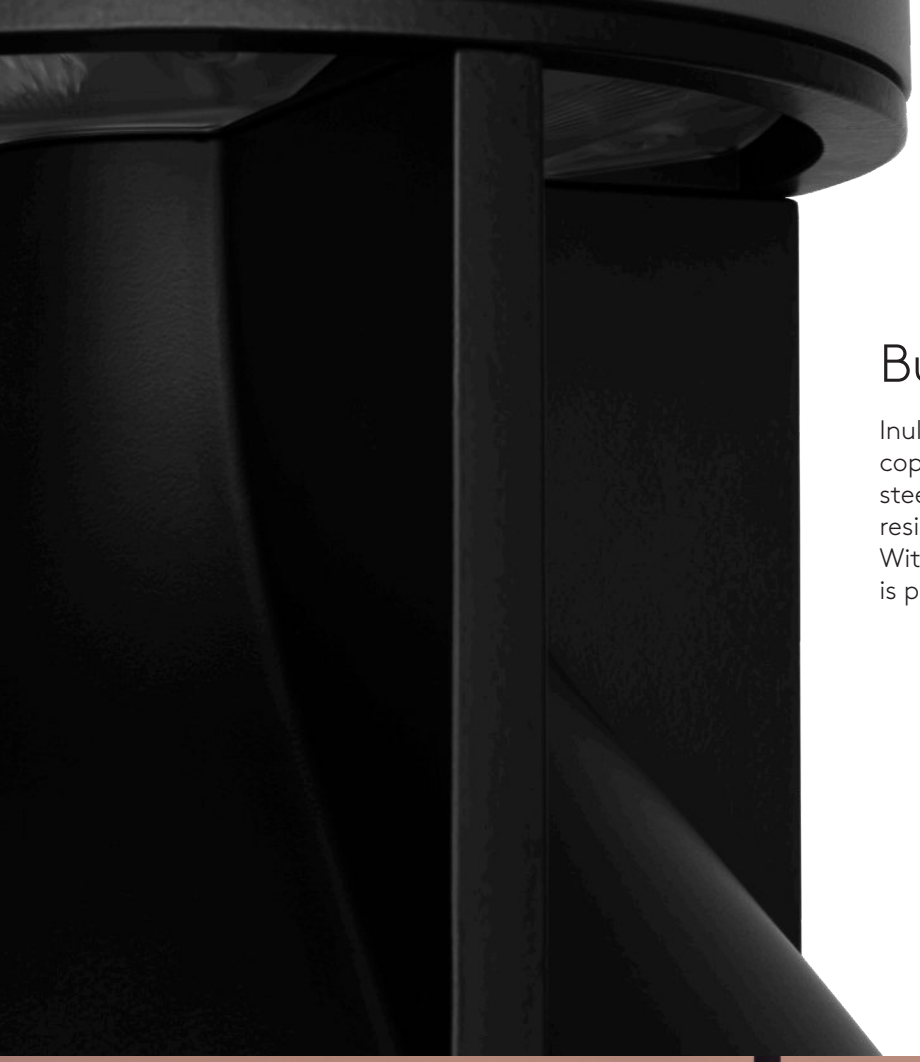
Maximum Uniformity on Pathways

The 2Q90MU optic is a designer's tool when challenged by IESNA uniformity criteria. The distribution pattern is clean, precise, and uniform; an optimized solution for pathway lighting when you need it.

Example Calculation on Pathway:
(IBL-4-2Q90MU-30-XX-UNV)
20ft o.c. Spacing
LLF: 0.90

Avg	Min	Avg/Min	Max/Min
3.50fc	0.7fc	5	20





Built for Durability

Inula is made up of a die cast, low copper aluminum housing with stainless steel fasteners and high impact resistant, UV stabilized acrylic lenses. With both an IP65 and IK10 rating, Inula is perfect for harsh environments.

Jennette's Pier, Nags Head, North Carolina
Photo courtesy of James Brigagliano

Summit Sky Ranch, Silverthorne, Colorado
Photo courtesy of Sam Koerbel

Wildlife Friendly & Dark Sky

Inula Bollard with shielding and Amber LEDs meet or exceed all three criteria for Wildlife Lighting as established by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission. This standard was created to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.

Inula Bollard with Amber LEDs produces a spectral output above 560 nm. Inula with Amber is recommended for use in areas where electric lighting is needed adjacent to ecologically sensitive areas, sea turtle nesting beaches, migratory corridors, and Dark Sky Friendly communities.

Inula has the Fixture Seal of Approval issued by the International Dark Sky Association. The luminaire is certified to minimize glare, reduce light tresspass and have zero uplight.

The Inula Speaker

Bollard lighting is always close in proximity to the lit subject, which creates a personal and intimate relationship between the lighting and user. With the Inula Speaker Bollard, it's possible to enhance that expierience further through sound. Add an audio function to your design without having to worry about where it is placed and what it looks like. The high-quality outdoor speaker is discretely integrated inside the bollard body. An audio function can supply added ambience to a space or provide informative voice commands. Applicable for places of relaxation like roof top decks or museum-type settings for pre-recorded guided tours.

Practical Applications:

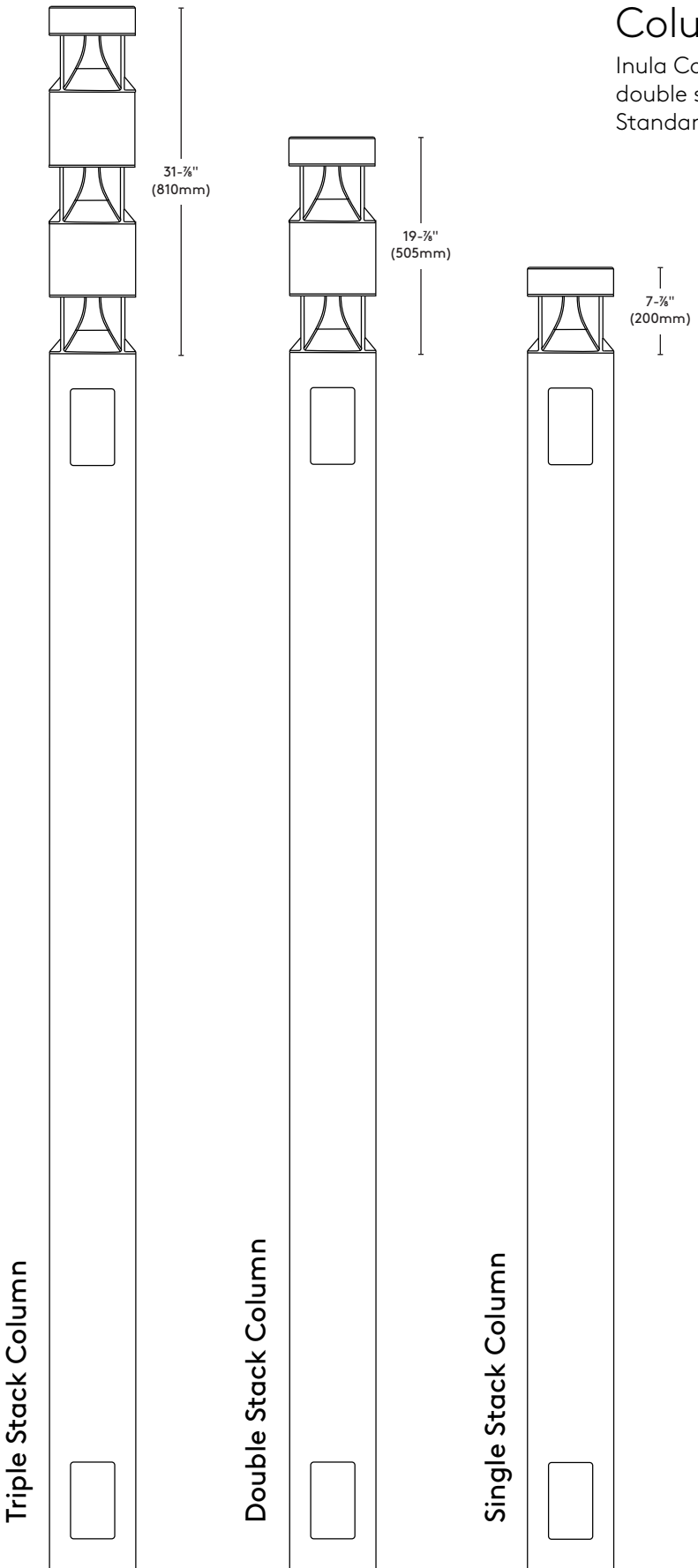
- Voice Command Applications: use at a pedestrian scale to guide human traffic
  i.e. - communication, transportation, information, safety, outdoor exhibition

- Entertaiment Applications: use at a pedestrian scale to create an enjoyable experience
  i.e. - relaxing areas like parks, create a desired ambience with background music

Wells Fargo Center, Philadelphia, PA

Mountings

Inula provides a consistent and harmonized area of lighting across an entire project. Choose from the Column (single stack, double stack, or triple stack) or the Bollard.



Column

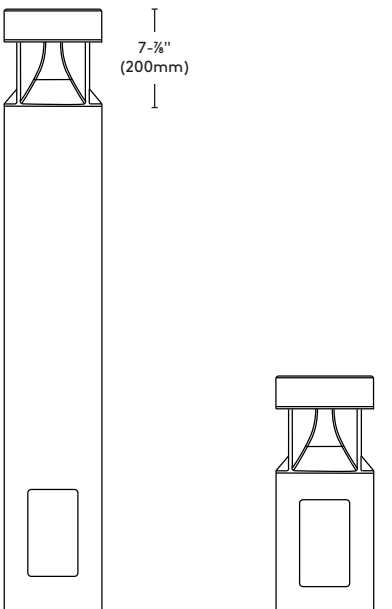
Inula Column is available in a single stack, double stack or triple stack configuration. Standard column heights range from 10′ to 18′.

Bollards

Standard bollard heights range from 1.5′ to 4′.

For the Inula Solar, heights range from 2′ to 4′.

For the Inula Speaker Bollard, heights are 3.5′ or 4′.



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