



M E L  
L I <sup>TM</sup>

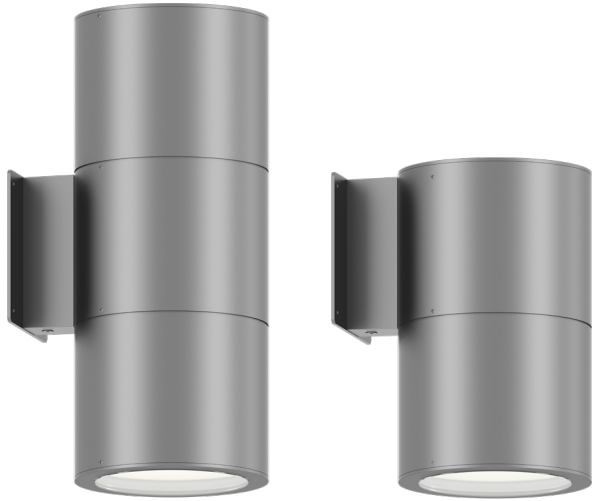
Application Guide

**selux**

Melli™ Form



Melli™ Form



## Melli™

A sophisticated luminaire range with endless optical and mounting options



## A family of luminaires with tailored options

Melli™ is a medium scale architectural indoor/outdoor luminaire family that transforms for applications that require strict precise roadway lighting, soft diffuse light, or even focused spot distributions. With Melli™, the same form factor is implemented throughout the entire family - mix and match optics with any of the five mounting types for an aesthetically cohesive design.

The Melli™ range excels at illuminating spaces such as plazas, shopping centers, pedestrian areas, or any space requiring high end site, facade, stem, or catenary lighting.

## Award Winning Product





20'  
—  
18'  
—  
16'  
—  
14'  
—  
12'  
—  
10'  
—  
8'  
—  
6'  
—  
4'  
—  
2'

Wall direct/indirect  
Wall direct

Double  
pole mounted  
(consult factory)  
with buried base

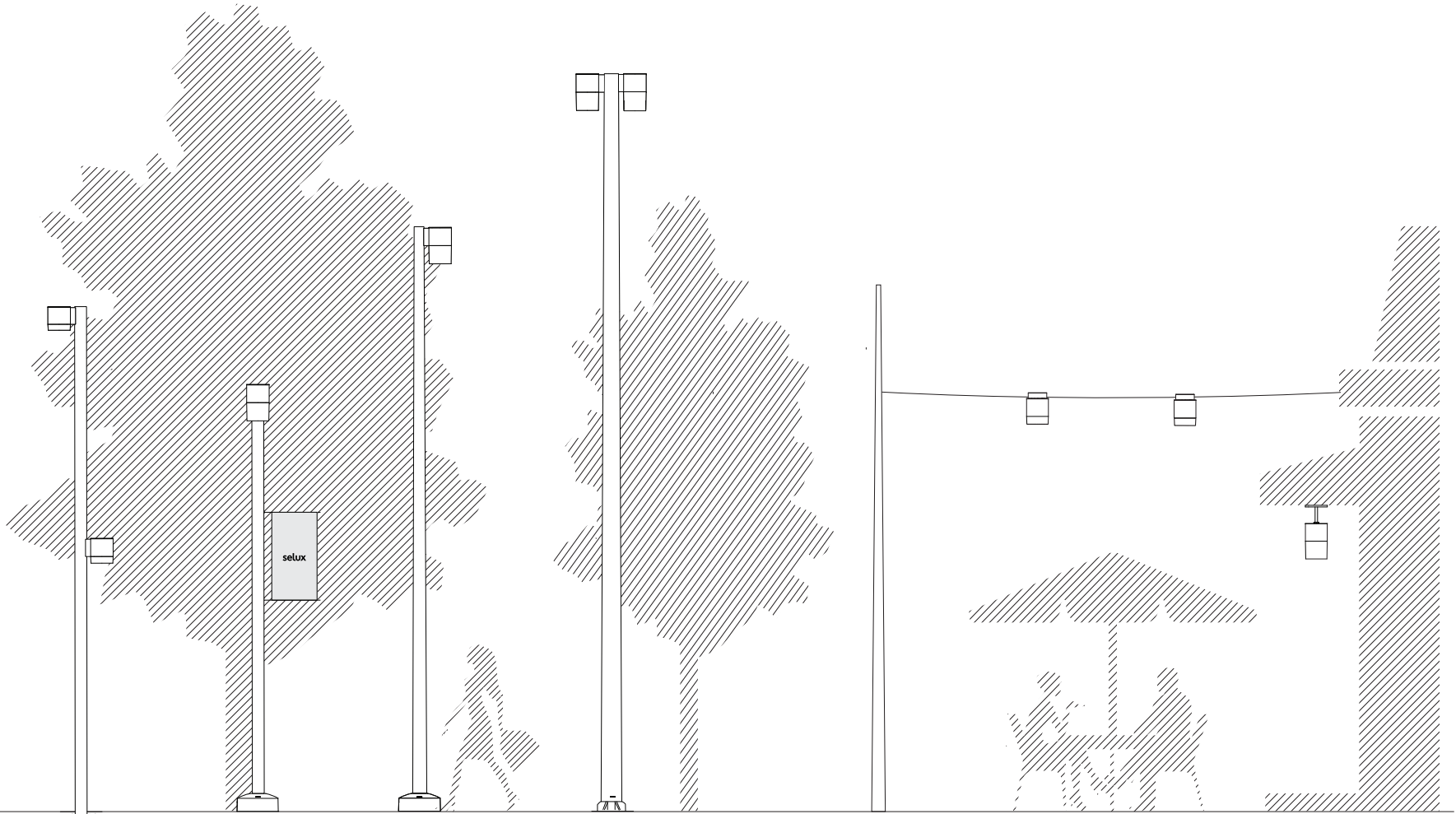
Single pole  
mounted  
banner arm  
(consult factory)

Single pole  
mounted

Double pole  
mounted

Catenary

Exterior Stem



**Melli™ is available with three  
different light engines,  
each with their own options**

With the Gen5 light engine, you have precise optical distributions with lower intensity angles and DarkSky Approved. Choose from a short or long clear cylinder depending on the look you are going for.

Diffuse optic with mid-power light engine is available with short or long cylinder, creating a comfortable ambiance and soft illumination.

If you're looking for a fixture to create interest and drama, choose Melli™ Spot with the COB light engine. With four distributions to choose from, you can mix and match on a direct/indirect wall mounted version, with the option for spread lens or colored glass on the direct side for specialized functionality. Melli™ Spot is DarkSky Approved.

**GEN5**

**DIFFUSE**

**SPOT**



**Typical Applications**

Local Road

Pedestrian Path

Parking Lot

Dark Sky

**Typical Applications**

Plaza

Shopping Center

Pedestrian Path

Ambient Area

**Typical Applications**

Facade

Accent

Pedestrian Path

Dark Sky

## Gen5 Specifications

<b>Light Engine:</b>	Gen5
<b>Distributions</b>	Type I · Type II · Type III · Type IV · Type V Round
<b>Cylinder:</b>	Short Clear · Long Clear
<b>Output:</b>	Up to 3,254lm · up to 116lm/W
<b>CCT:</b>	2700K · 3000K · 3500K · 4000K · 5000K 80CRI minimum
<b>Mounting:</b>	Surface · Wall · Catenary · Rigid Stem · Single Pole Mount · Double Pole Mount
<b>Options:</b>	House-side Shield



DarkSky Approved

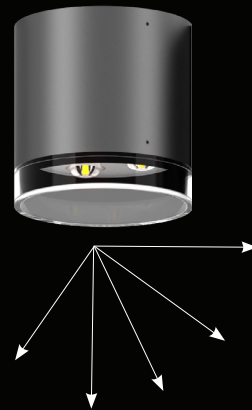
IP65

## Gen5

is an optical advancement

**Melli™ uses Selux Gen5 optics** - an optical advancement that allows for a full range of distributions with excellent visual comfort. Unlike other optics, Gen5 is a proprietary design made of silicone, integrated into our existing and new exterior products to expand distribution options, increase lumen output, and provide a visual experience unique to Selux.

By keeping the vertical maximum intensity angle below 69°, Gen5 optics minimize brightness at critical viewing angles. In addition, Gen5 spreads brightness between LEDs which reduces contrast and increases comfort.

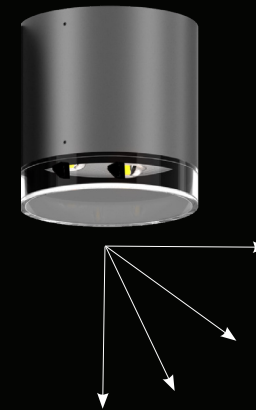


Gen5

## House-Side Shield

blocks light at the source

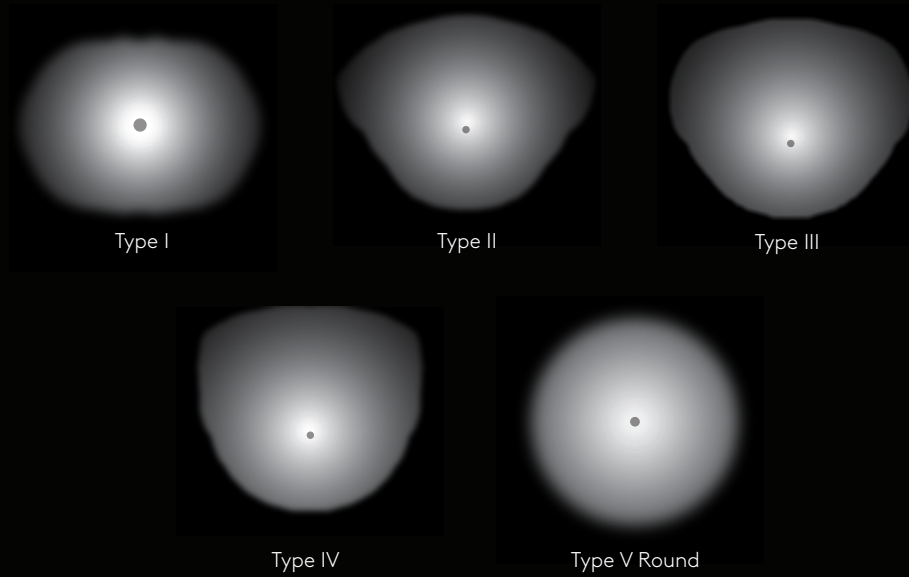
**Gen5 Optic with house side shield** - Instead of the typical house side shield that obstructs the look of the luminaire as well as interrupting the flow of a lighting design, Selux has created an exclusive discrete house side shield that clips directly to the Gen5 optic, blocking light at the source. House side shield is only available with Type I, II, III, and IV.



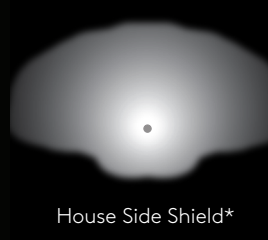
Gen5  
with House-Side Shield

## Standard Gen5 Distributions

Custom distributions are possible - consult factory



## House Side Shield Distribution



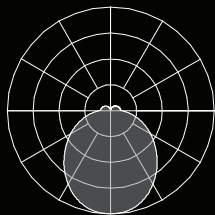
\* Type I with house side shield shown

## Diffuse Specifications

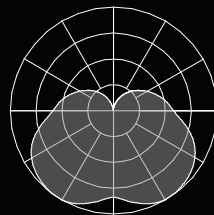
<b>Light Engine:</b>	Diffuse
<b>Optics:</b>	Short Diffuse · Long Diffuse
<b>Output:</b>	Up to 3,556lm · up to 102lm/W
<b>CCT:</b>	2700K · 3000K · 3500K · 4000K · 5000K · 80CRI minimum
<b>Mounting:</b>	Surface · Wall · Catenary · Rigid Stem · Single Pole Mount · Double Pole Mount



Short Diffuse



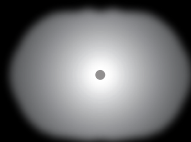
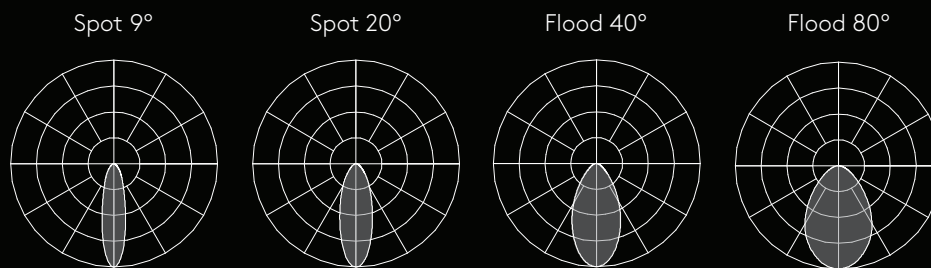
Long Diffuse



Melli™ Spot

## Spot Specifications

<b>Light Engine:</b>	Spot
<b>Optics:</b>	Spot 9° · Spot 20° · Flood 40° · Flood 80°
<b>Output:</b>	Up to 3,112lm · Up to 89lm/W
<b>CCT:</b>	2700K · 3000K · 3500K · 4000K · 5000K 80CRI Minimum
<b>Mounting:</b>	Surface · Wall · Catenary · Rigid Stem · Single Pole Mount · Double Pole Mount
<b>Options:</b>	Honeycomb Louver · Spread Lens · Color Filter



Melli™ Spot

\* Spread Lens (SL) option shown



DarkSky Approved

IP65



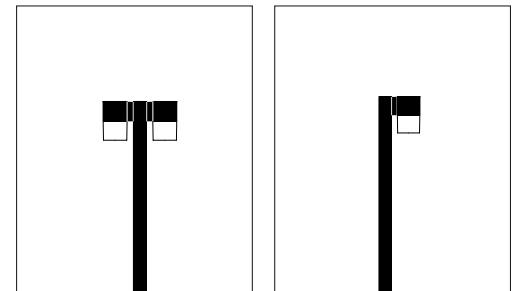


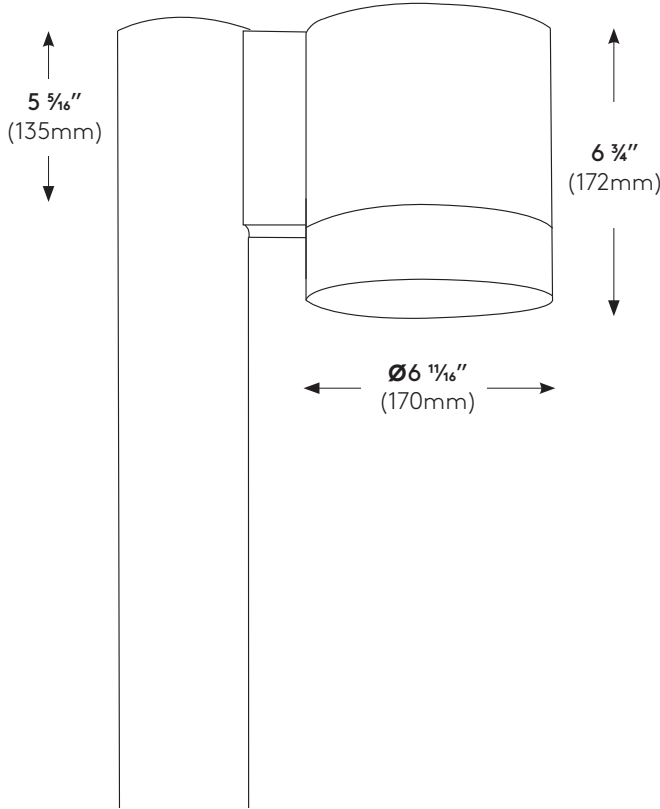
P O L E  
M O U N T



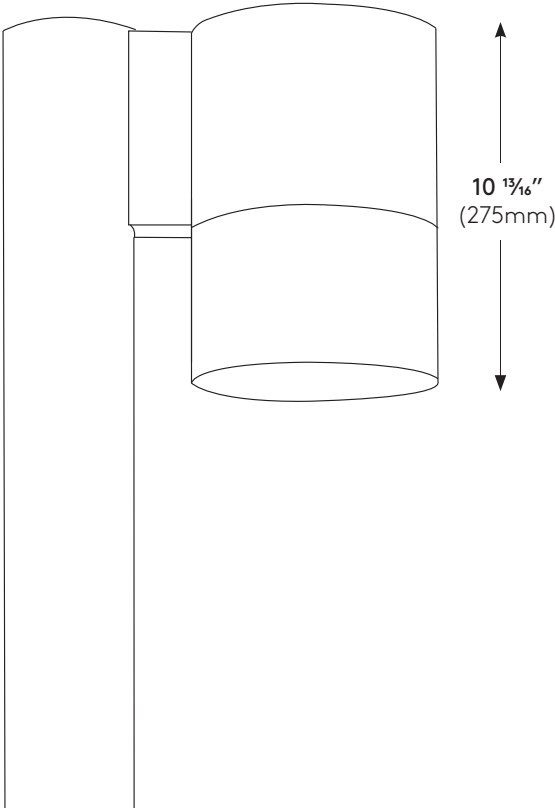
**Creative opportunities  
are abundant,**  
with so many possible  
configurations

Melli™ attaches to round poles with a threaded insert - this method allows luminaires to be placed almost anywhere on a pole. On a project-specific basis, Melli™ could have two luminaires at different heights, which would allow for illuminating a road/parking area as well as a sidewalk from the other side of the same pole. This allows you to create even more unique lighting solutions.





Short Cylinder

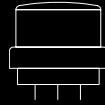


Long Cylinder









## Photocell

The twist-lock photocell conserves energy and improves safety and security by automatically turning lights on when it gets dark. It also saves on energy by turning off at dawn when extra light is unnecessary.



## USB & Duplex Receptacle

The outdoor GFCI receptacle with USB charging port is intended for portable tools and equipment when attended by personnel. The USB charging port allows convenient charging of smart phones or other low voltage electronics.



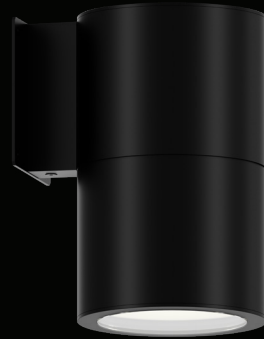
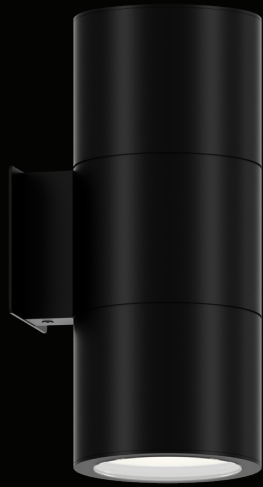
## GFCI

The outdoor GFCI receptacle is intended for portable tools and equipment when attended by personnel. The GFCI duplex receptacle is weatherproof with its self-closing cover - for use with or without padlock.



## Motion Sensor

Allowing the light to be controlled by a motion sensor cuts down on the amount of wasted electricity. With a motion sensor, the lights will only be on when someone is using the area. This makes sound economic sense, and is more environmentally friendly.



W A L L

S U R F A C E

S T E M

## Emphasizing architectural detail with an elegant, contemporary look

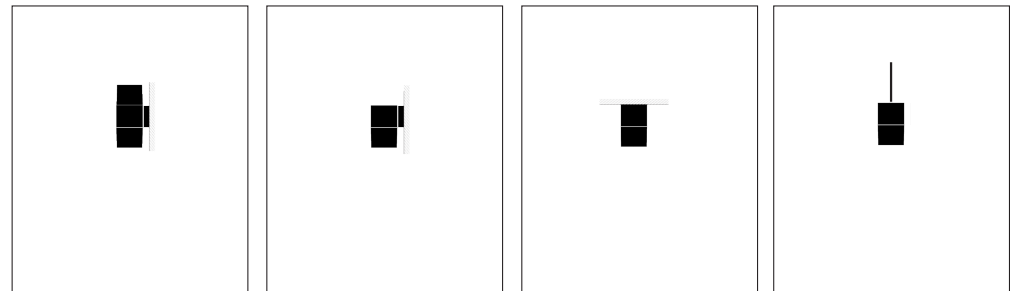
Melli™ Wall, Surface, and Stem luminaires are most commonly for use along building facades and overhangs to provide visual guidance for pathways, identify doorways, and brighten entrances.

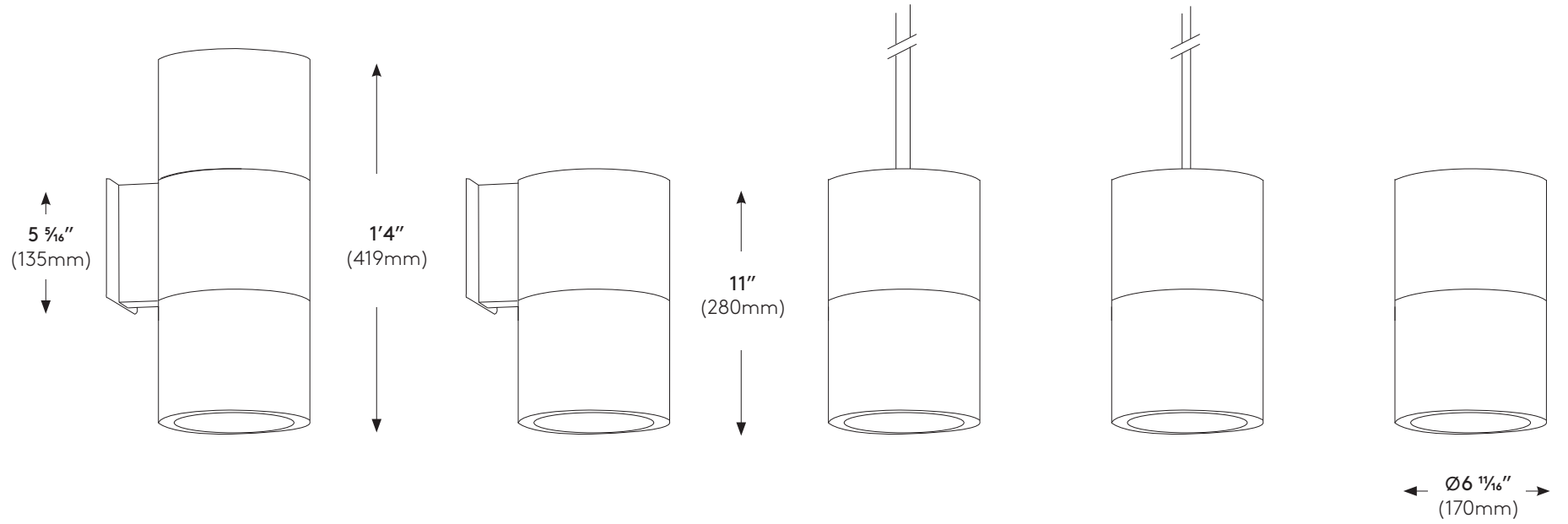
Wall Mount fixtures are available in two styles - Direct or Direct/Indirect - and can be used for ambient lighting to enhance aesthetic appeal. Use Melli™ Wall Mount to create a mood or make dramatic accent lighting effects for beautiful facade lighting.

Melli™ Stem or Surface Mounts suspend from ceilings or exterior canopies to provide illumination for interior or exterior entranceways.

Melli™ Wall or Stem can be placed strategically along the sides of a building, around a dark corner, or in a narrow space to brighten or highlight walkways and paths.

Melli™ can also be used as an interior light perfect for task lighting and creating a better lit area around those spaces that need a little bit of extra light. Melli™ can also be Wall, Surface, or Catenary mounted in interior spaces and can be used in offices, hospitality, foyers, and entryways.





Wall Direct/Indirect Spot

Wall Spot

Exterior Stem Spot

Interior Stem Spot

Surface Spot









RECEPTION





C A T E N A R Y

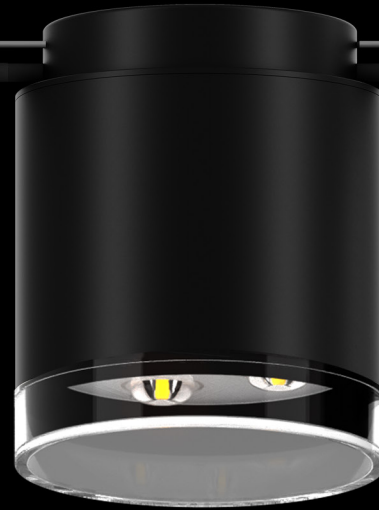
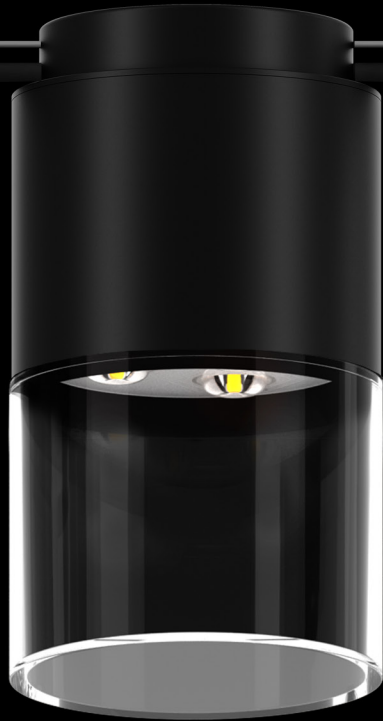


Melli™ Catenary Diffuse



Melli™ Catenary with  
Diffuse Long Cylinder

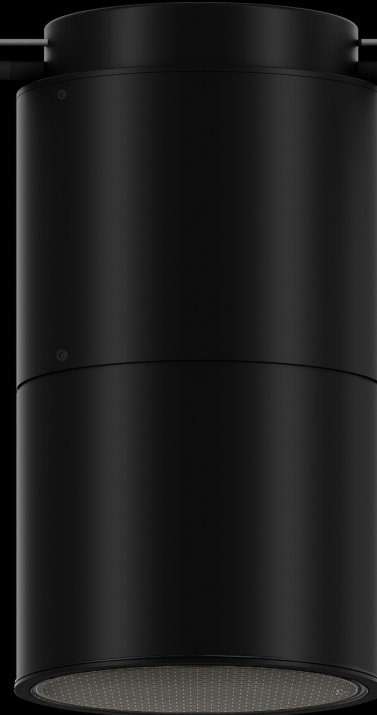
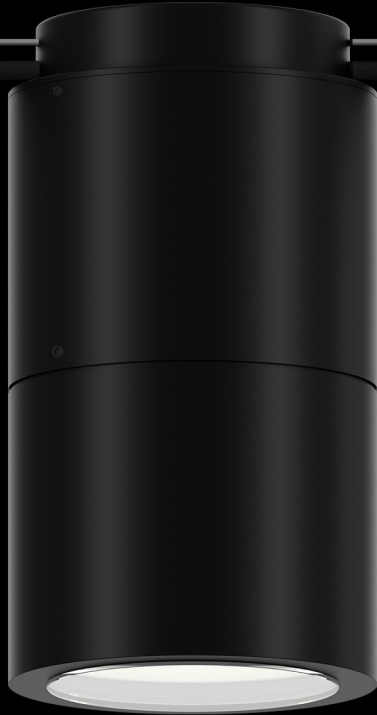
Melli™ Catenary with  
Diffuse Short Cylinder



Melli™ Catenary Gen5  
Clear Long Cylinder

Melli™ Catenary Gen5  
Clear Short Cylinder

Melli™ Catenary Spot



Certified by DarkSky.org

Melli™ Catenary  
Spot

Melli™ Catenary Spot  
with Honeycomb Louver



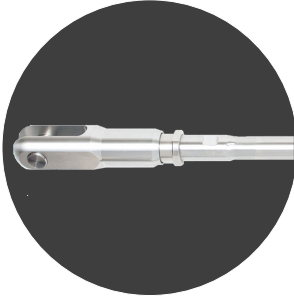


## What Can Selux Provide?

Selux can offer the complete solution. By submitting a completed Catenary Design Guide Form, Selux will build a catenary package fully engineered with supporting poles, cables, cords, and luminaires. Anchoring catenary systems to buildings or structures not provided by Selux will have to be evaluated by the on-site Professional Engineer (PE).

Catenary suspended luminaires require additional materials for proper installation of the lighting system. These additional materials include structural tension cable

for luminaire suspension, fittings for attachment to the building structure or structural masts/poles, and cable ends. Stainless steel is recommended due to its resistance to corrosion, strength, long life, and aesthetic appearance. Reference the luminaire weight and EPA on product specification sheet.



#### **Clevis Assembly & Adjustable Turnbuckles**

Manual adjustment is provided by rotating the adjusting sleeve.

#### **Stainless Steel Structural Tension Cable**

Offers the best combination of strength and stiffness for static structures. As spans and loads increase, the cables get larger in diameter (the number of strands increases).



#### **Poles & Anchor Points**

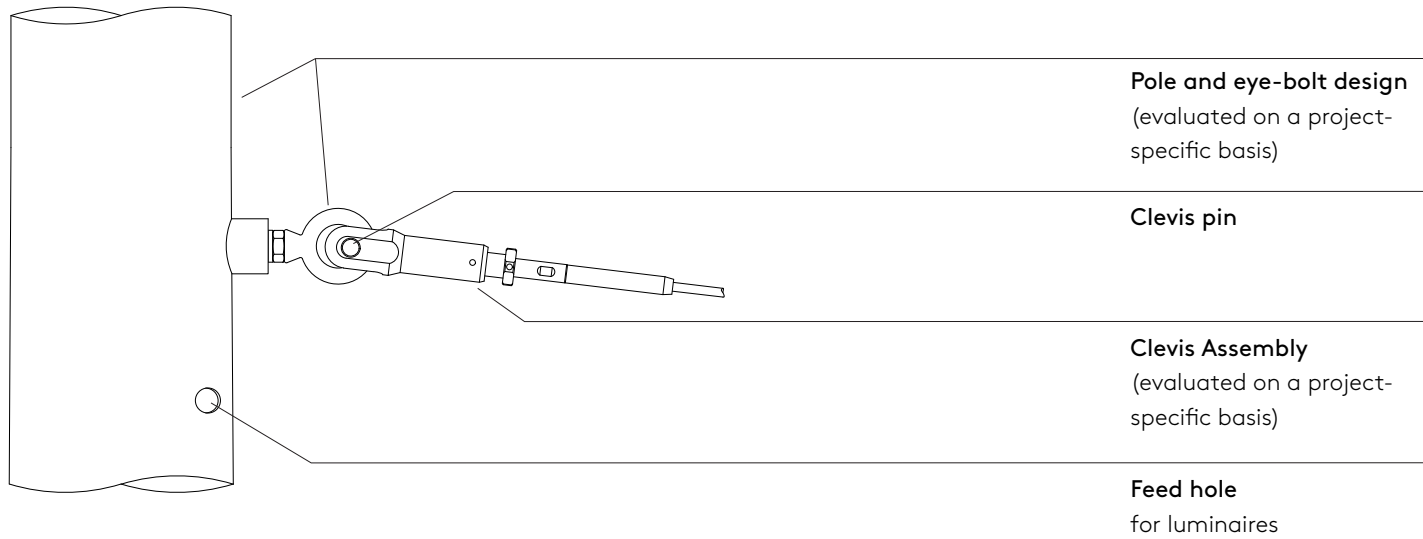
Selux can provide mounting points for poles or anchored brackets to buildings or structures. Selux can provide calculations and size the poles appropriately on a project-specific basis. Brackets to structure must be evaluated by on-site PE.

#### **Professional Engineer Stamped Drawings**

Selux can provide stamped drawings (if required) for a fee. It is important to identify this at the early stages of the project so the cost can be included in the budget. Stamped drawings may extend the lead time.



### Example Pole Anchor Detail



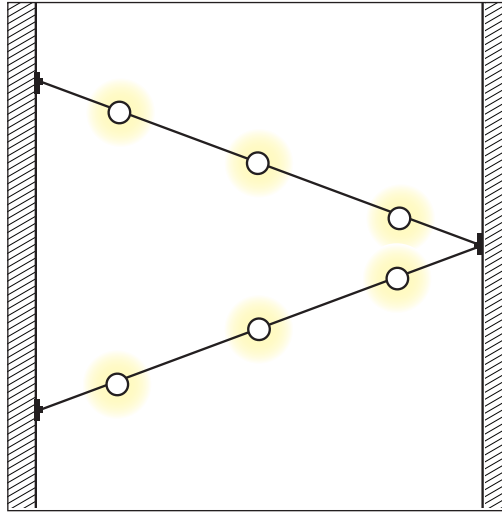
### Example Wall Anchor Detail



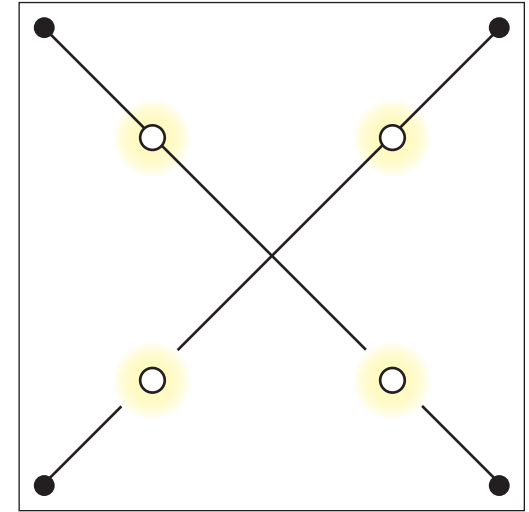
## Freedom of design

Catenary design examples shown here are only a few of the many possibilities you have. Consult with Selux to bring your unique catenary ideas to life.

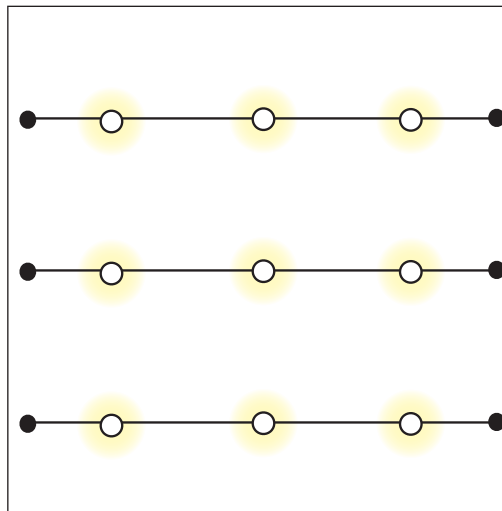
Building-to-Building



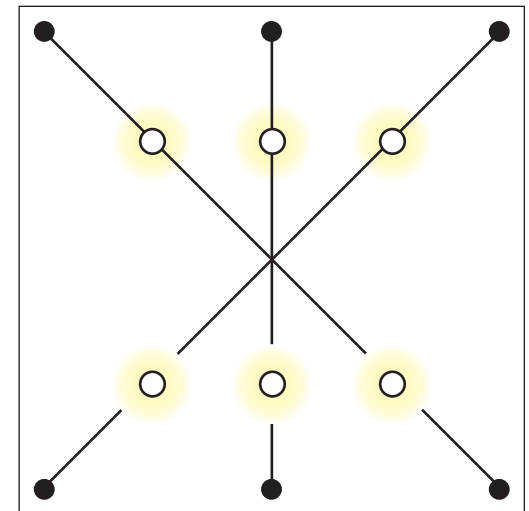
Pole-to-Pole X-Configuration



Pole-to-Pole or Building Linear Configuration



Pole-to-Pole Space Configuration



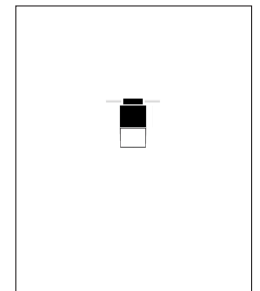
## Purposeful light and shadow, create mood and drama

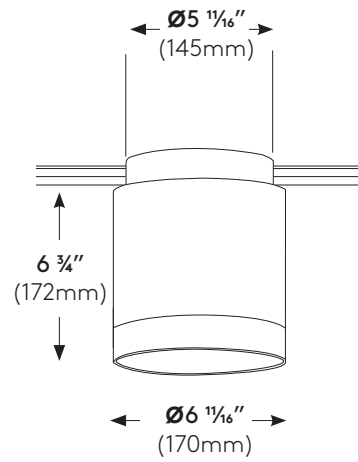
When using catenary, Melli™ can be installed just about anywhere that people gather. Not only does it light up the space, but it improves visibility and safety. Melli™ catenary can be used in outdoor retail areas, public parks and squares, outdoor theaters, or festival sites. Create the mood or ambiance you are looking for!

No obtrusive poles means that people can feel free to move around and utilize the beautiful space. The cables used in the Melli™ Catenary system allow for long spans while

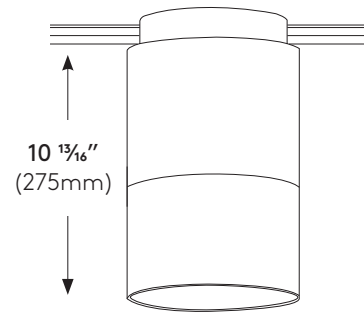
supporting the weight of the luminaires you need to cover your area. The cables are usually anchored to buildings, exterior walls, or poles.

With Melli™ Catenary, you have complete freedom to design the project the way you want. Create a focused light as well as an artistic shadow - there are very few limitations!

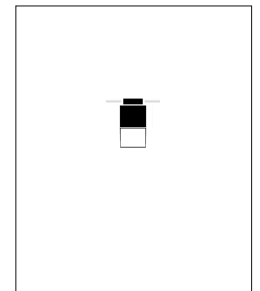




Catenary Gen5 Clear  
Short Cylinder



Catenary Gen5 Clear  
Long Cylinder



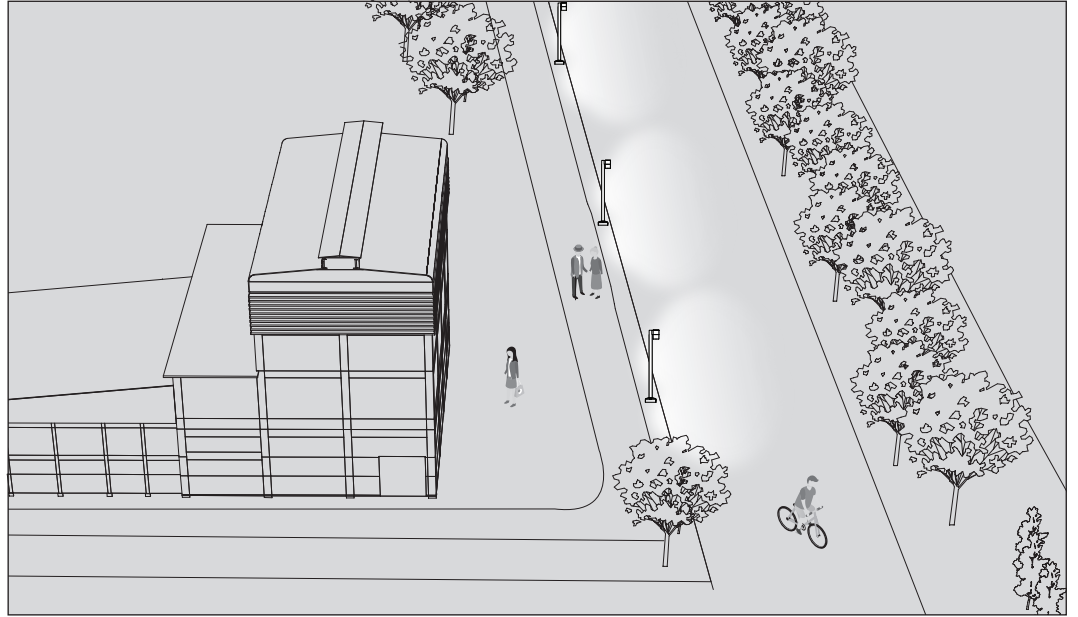






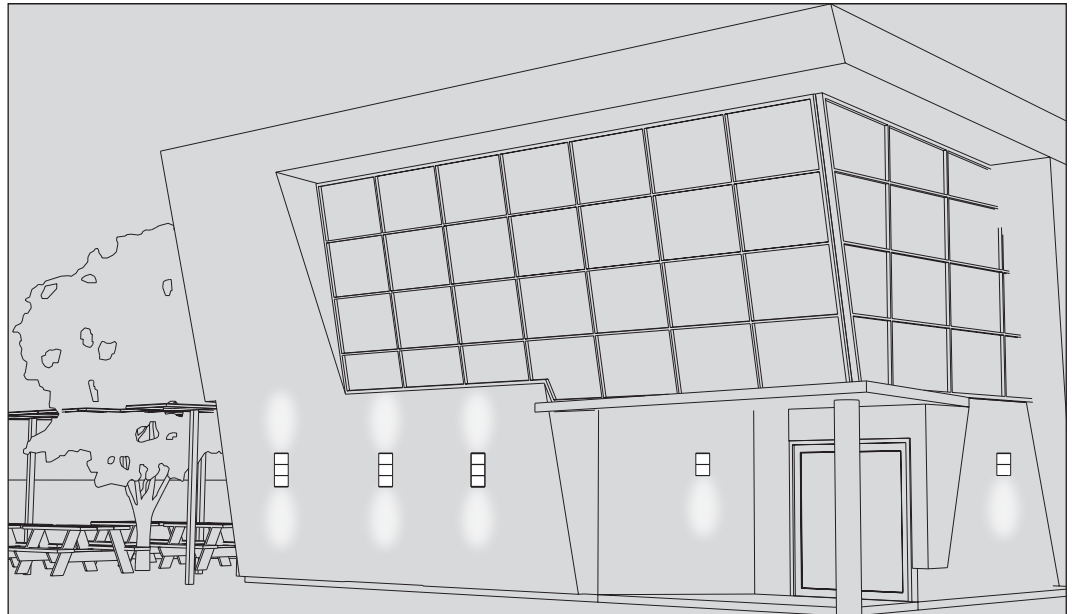
### Pedestrian Pathway

Use Melli™ pole mount to increase security in retail locations or suburban neighborhoods while encouraging people to meet and build community. Use a variety of optics and pole spacing to create the amount of light needed, where it is needed.



### Facade Lighting

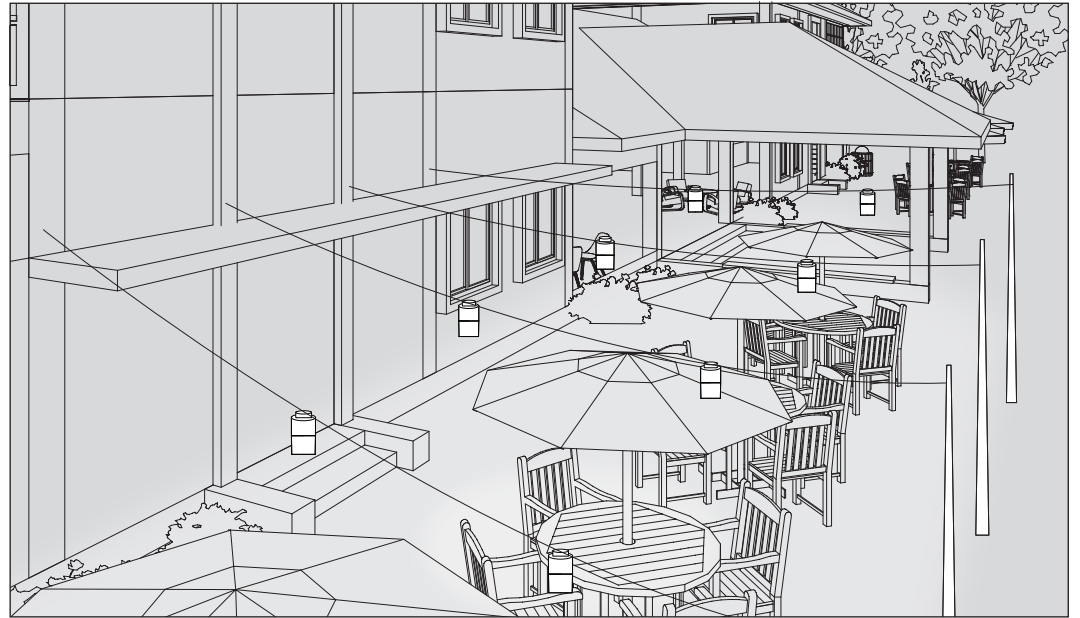
Use the wall mount Melli™ Spot with Direct or Direct/Indirect distributions to light up the sides of a building. A variety of distributions provide wide beams, or precise, dramatic lighting patterns.





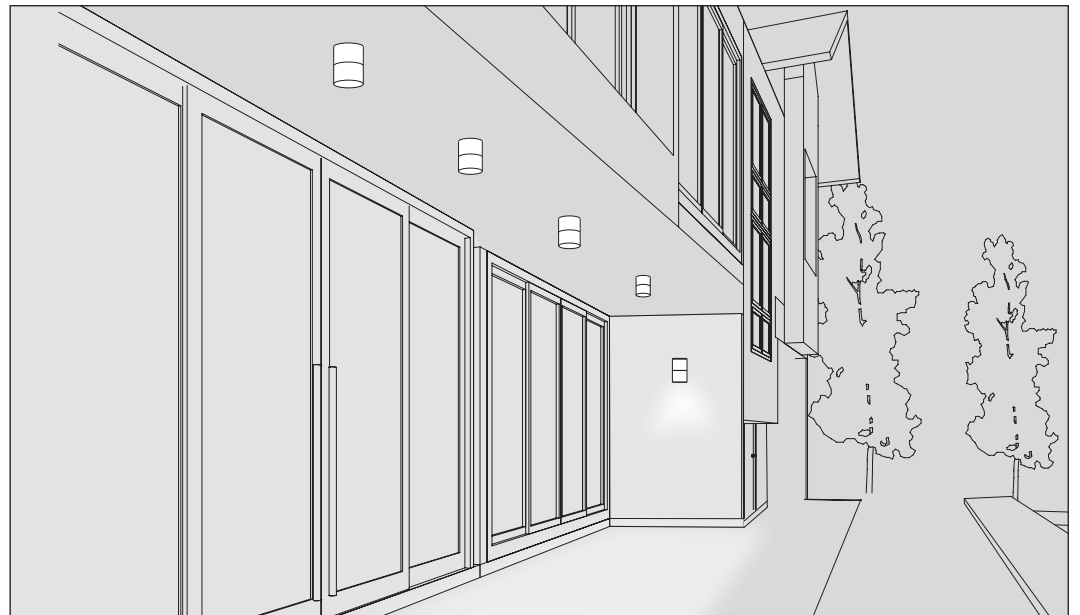
### Catenary (Pole-to-Building)

Open up public spaces by removing typical lighting posts and using catenary mounted Melli™. Hang the fixtures between poles or buildings - or a combination of both - it frees up space for walking or gathering, while still allowing comfortable and voluminous lighting.



### Under Canopy

By mounting Melli™ under a canopy or in a passageway, you can bring a level of safety and welcome feeling to building exteriors and pathways.



## Selux Metal Finishes

Tiger Drylac powder-coated finishes are available in standard colors. Melli™ is also available in Premium Colors from the Selux RAL book, or custom colors on a project-specific basis..

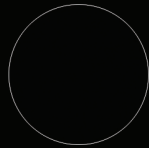
WH - White



BK - Black



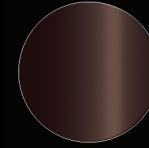
BL - Semi-Matte Black



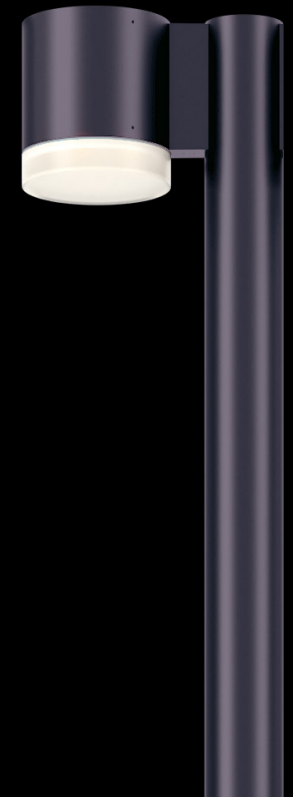
SV - Silver



BZ - Bronze



SP - Premium Color



**Declare.** 

## Melli™

When you are looking for a product that prioritizes sustainability and supporting the environment

Declare is a platform to share and find healthy building products. Manufacturers willingly disclose product information that can be found on the Declare labels. These labels are then accessible on a free and searchable database used by prominent designers, real estate owners and home owners, to specify products they know they can trust and that meet the requirements of leading green building standards, including Core Green Building, LBC, LEED, and WELL Certification.

Declare has positively changed the materials marketplace to enable the creation of buildings that support human and environmental health and has made it extremely easy to facilitate and simplify the exchange of information.

Selux is also proud to be Living Future Corporate Member. With this credential, Selux is recognized for its proficiency in the world's more ambitious, advanced, and holistic sustainable design standards.

You can trust that with these credentials, Melli™ by Selux supports a more sustainable future.

**Declare.**

**Melli Direct - Diffuse**  
**Selux Corporation**

**Final Assembly:** Highland, New York, USA  
**Life Expectancy:** 5+ Year(s)  
**End of Life Options:** Recyclable (90%), Landfill (10%)

**Ingredients:**

**Housing and Mounting Assembly:** Aluminum; Stainless Steel; Verapamil; Copper; Rubber; Surge Protector<sup>1</sup>; Silica Gel; Nylon 6/6; **LED Engine - Direct:** Aluminum; Stainless Steel; Silica Gel; LED PCB<sup>2</sup>; Propylene Carbonate; **LED Driver:** LED Driver<sup>3</sup>; **LED Geartray:** Aluminum; Surge Protector<sup>4</sup>; Copper; Stainless Steel; Nylon 6; Nylon 6/6

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

**Living Building Challenge Criteria:** Compliant

**I-13 Red List:**

<input type="checkbox"/> LBC Red List Free	% Disclosed: 100% at 100ppm
<input checked="" type="checkbox"/> LBC Red List Approved	VOC Content: Not Applicable
<input type="checkbox"/> Declared	

**I-10 Interior Performance:** Not Applicable  
**I-14 Responsible Sourcing:** Not Applicable

SLX-0002  
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Original Issue Date: 2023

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**LIVING FUTURE**  
CORPORATE MEMBER

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