# selux









The International Living Future Institute (ILFI), an environmental nonprofit, envisions a more sustainable future that is ecologically restorative, socially just, and culturally rich. Their flagship program, the Living Building Challenge (LBC), provides a road map to this regenerative vision. ILFI's certifications and transparency platforms are intended to guide the way towards a "living future".

Declare is a platform that enables transparent disclosure and discovery of healthy building products. Manufacturers voluntarily provide detailed product information on easy-to-understand labels, which list ingredients and use color-coding to flag chemicals of concern. The labels also report the product's assembly locations, life expectancy, end-of-life options, and Living Building Challenge (LBC) compliance.

The free, searchable Declare database allows designers, owners, and homeowners to specify trusted products that meet green building certification requirements like Core Green Building, LBC, LEED, and WELL. Declare has positively transformed the materials marketplace, enabling the construction of buildings that prioritize health.



# The **Red List** is a list of chemicals representing the "worst in class" substances

The LBC Red List catalogs substances prevalent in the building industry that pose serious risks to human health and the environment. Organized by chemical class and identified by their Chemical Abstracts Service Registry Number (CASRN or CAS Number), the Red List has been an intuitive tool since 2006 for communicating the need to stop using harmful chemicals.

The Red List is regularly updated to include or remove certain chemical classes based on their potential to harm human health and the environment. These chemicals may pose a range of hazards, such as cancer, reproductive toxicity, organ damage, endocrine disruption, persistence in the environment, and ozone depletion.

Examples of Red Listed Chemicals are Formaldehyde, Asbestos, Mercury, Chloroprene, Halogenated Flame Retardants, and PVC.



# Comprehending Red List and Watch List

to help consumers make informed decisions







Red List

**Priority List** 

Watch List

### Red List vs. Watch List

**The Red List:** An enforceable screening guide that contains 800 unique CAS numbers representing the "worst in class" materials commonly used in today's building industry. The commonly used chemicals on the Red List pollute the environment, bio accumulate up the food chain to toxic concentrations, and harm construction and manufacturing workers.

**The Priority List:** To be added to the Red List, a chemical must first be designated as "Priority" for at least 12 months. When a chemical has this Priority for Red List Inclusion designation, it will be flagged in light orange on the Declare label, but this does not affect the product's overall Declaration Status.

The Watch List: The LBC Watch List serves as a warning to manufacturers and project teams that certain chemicals identified by ILFI may soon be added to the more restrictive LBC Red List. While inclusion on the Watch List does not affect a product's Declaration Status or prevent its use on LBC projects, it signals that the product could be prohibited in the near future if those chemicals are ultimately added to the Red List.





### A Declare Label

is the nutrition label for products



### **Product Name** Manufacturer

Final Assembly: First City, State, Country; Second City, State, Country; Third City, State, Country Life Expectancy: 50 Years Embodied Carbon: # kg CO,-eq = Declared Unit: # m2 End of Life Options: Recyclable (95%), Landfill (5%), Take Back Program (Program Name/Location)

### Ingredients:

Your First Component: Sustainably Sourced Ingredient: LBC Red List Ingredient<sup>1</sup>; Your Second Component: LBC Watch List Priority for Inclusion; Non-Toxic Ingredient; Undisclosed (<0.1%)2

LBC Temp Exception RL-009 Formaldehyde <sup>2</sup>LBC Temp Exception RL-004var.a Proprietary Ingredients

Living Building Challenge Criteria: Compliant

#### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 99.9% at 100ppm

■ LBC Red List Approved VOC Content: #g/L

Declared

I-10 Interior Performance: CDPH Standard Method v1.2-2017 I-14 Responsible Sourcing: Product Available with FSC Chain of Custody

XXX-XXXX EXP. 01 OCT 2021 Original Issue Date: 20XX



MANUFACTURER CLAIMS VERIFIED BY THIRD PARTY VERIFIED ASSESSOR INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare End-of-Life Options: Take-back programs can divert materials from landfills and hazardous waste streams by recovering items that are salvageable, reusable, or recyclable.

**Disclosed % Value:** Represents the product's disclosure threshold required to meet building certification credit standards.

Third Party Verification Badge: Indicates that a professional third-party assessor has validated the accuracy of the manufacturer's supply chain, purchasing practices, ingredient claims, compliance with Living Building Challenge standards, and reported embodied carbon data.

orange.

**Ingredients:** Categorized and displayed by their

respective components. Unrestricted ingredients are

shown in grey, Red List chemicals appear in red, and

Watch List Priority List chemicals are indicated in light

**Declaration Status:** Verifies that product complies

Declare Identifier: The program sets a 12-month

expiration date for product listing, ensuring continuous

with Living Building Challenge Red List.

monitoring and compliance.





# Arca Pro



### Arca Pro Selux Corporation

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

### Ingredients:

LED Light Engine: Aluminum; PC945; Silicon; Stainless Steel; Rubber; Housing: Aluminum; Silicon; Stainless Steel; Copper; Nylon 6/6; Nylon 6; 3-Methyl-1-phenyl-5-pyrazolone; Driver Enclosure: Aluminum; Motion Sensor<sup>1</sup>; Drivers and Surge Protectors: LED Driver, Surge Protector<sup>1</sup>; Stainless Steel; Decorative Collar: Aluminum; Stainless Steel; Optics: Silicon; Propylene Carbonate; LED PCB: LED PCB<sup>1</sup>

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

### Living Building Challenge Criteria: Compliant

#### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

VOC Content: Not Applicable

□ Declared

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

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### **Line Column Selux Corporation**

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

Aluminum; 2-Propenoic acid, 2-methyl-, polymer with ethyl 2propenoate and methyl 2-methyl-2-propenoate; LED PCB<sup>1</sup>; Copper; Acrylic acid; Stainless Steel; LED Driver<sup>1</sup>; Nylon 6/6; Silicon; Surge Protector<sup>1</sup>; Rubber; Polypropylene; Nylon 6

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

■ LBC Red List Approved VOC Content: Not Applicable

% Disclosed: 100% at 100ppm

□ Declared

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

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# Line Bollard



# **Line Bollard Selux Corporation**

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

### Ingredients:

Aluminum; Polymethyl methacrylate; LED Driver<sup>1</sup>; Stainless Steel; Copper; Surge Protector<sup>1</sup>; Silicon; Polypropylene; Rubber; 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate; LED PCB<sup>1</sup>; Nylon 6; Nitrile rubber; Poly[imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl]

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

#### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

VOC Content: Not Applicable

□ Declared

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

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# M36 Combo



### M36 Combo Selux Corporation

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

### Ingredients:

Aluminum; LED Driver<sup>1</sup>; LED PCB<sup>1</sup>; Copper; Polyethylene Terephthalate; Stainless Steel; Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Polyamide fibers; Polymethyl methacrylate; Nylon 6/6

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

VOC Content: Not Applicable

□ Declared

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

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# M36 MRC Wall Washer





### M36 MRC Wall Washer **Selux Corporation**

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

### Ingredients:

Aluminum; Copper; LED Driver<sup>1</sup>; Polymethyl methacrylate; LED PCB<sup>1</sup>; Stainless Steel; Nylon 6/6; Steel; Polyamide fibers; Polyethylene

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved VOC Content: Not Applicable

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

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# Melli™



# 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:

Aluminum; LED Driver<sup>1</sup>; Stainless Steel; Copper; Surge Protector<sup>1</sup>; Verapamil; Silica Gel; Rubber; Nylon 6/6; Nylon 6; LED PCB<sup>1</sup>; Propylene Carbonate

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

□ Declared

VOC Content: Not Applicable

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

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## Melli Sistema



### **Melli Sistema Selux Corporation**

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

### Ingredients:

Aluminum; Copper; LED Driver<sup>1</sup>; Stainless Steel; Glass, oxide, chemicals; Silica Gel; Nylon 6; Nylon 6/6; Graphite

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved VOC Content: Not Applicable

□ Declared

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

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# Ouray



# **Ouray Selux Corporation**

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

### Ingredients:

Aluminum alloy, Al,Zn, dross; Aluminum; Aluminum; LED Driver¹; RTV silicone rubber; Acryl- und Methacrylmodifizierte Polydimethylsiloxane, mittlere Molmassen 1200 bis 15000 g/mol, Restgehalte an Acryls $\Sigma$ ure und Octamethy÷lcyclotetrasiloxan < 0,1%; 2,2-Bis(4-hydroxyphenyl)propane polycarbonate SRU; Stainless Steel; Copper; Nylon 6/6; LED Driver, Surge Protector¹; Brass; Carbonic acid, polymer with 4,4-(1-methylethylidene)bis[phenol]; Glass, oxide, chemicals; Copper, [ $\mu$ -[carbonato(2-)-O:O']]dihydroxydi-

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

VOC Content: Not Applicable

Declared

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

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### VA7





### VAZ Bollard Selux Corporation

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

### Ingredients:

Aluminum; Aluminum Compounds; Polymethyl methacrylate; Silicon; LED Driver<sup>1</sup>; Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; LED PCB<sup>1</sup>; Stainless Steel; Polydimethylsiloxane rubber; Nylon 6/6; Copper; Zinc; Acrylic acid

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

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

☐ LBC Red List Free

% Disclosed: 100% at 100ppm

■ LBC Red List Approved

□ Declared

VOC Content: Not Applicable

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

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# Peeta





### Peeta Selux Corporation

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

### Ingredients:

Aluminum; LED Driver; Methyl methacrylate; LED PCB; Aluminum alloy, Al,Zn, dross; Stainless Steel; Stainless Steel; Copper alloy, base, Cu 90-91,Sn 9.2-10; 2,2-Bis(4-hydroxyphenyl)propane polycarbonate SRU; 4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro-, polymer with ethene and 1-propene; Steel; Siloxane und Silicone, C24-28-alkyl Me, di-Me (mittlere Molmasse ca. 2500 g/mol); Nylon 6

### Living Building Challenge Criteria: Compliant

### I-13 Red List:

- LBC Red List Free
- % Disclosed: 100% at 100ppm
- ☐ LBC Red List Approved
- VOC Content: Not Applicable
- □ Declared

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

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