WARP

WARP™ SUSPENDED & SURFACE
WARP HEMI™ SUSPENDED



INTRODUCTION

WARP™ SUSPENDED & SURFACE
WARP HEMI™ SUSPENDED

A soft disc of diffused light with a precise spot at its center. WARP is a family of round luminaires designed by Serge Cornelissen, where diffused, spot and indirect light run on separate circuits, so a single luminaire can carry a room from bright, even ambient light to a focused, intimate mood. Choose the cylindrical WARP Suspended, the domed WARP Hemi Suspended or the surface-mounted WARP Surface, each in 18″ and 24″ sizes and ten finishes.



VARIANTS



WARP™ SUSPENDED & SURFACE

18″ 24″

Pendant · Direct or Direct/Indirect · Up to three circuits
Surface mount · Direct · Up to two circuits



WARP HEMI™ SUSPENDED

18″ 24″

Domed pendant · Direct
Up to two circuits

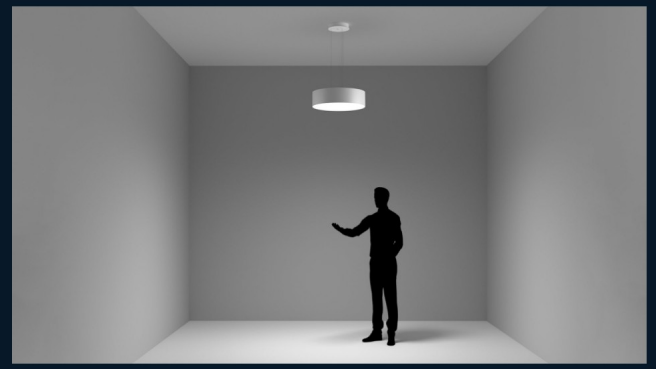
LIGHT LAYERS

DIFFUSED
A soft, even glow from the full face of the lens.

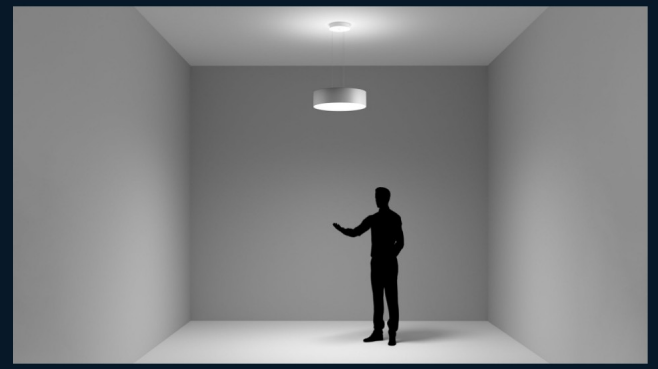
INDIRECT
Indirect light washes the ceiling plane, reaching up to 2,400 lm for the WARP Suspended.

SPOT
A 40° direct spot from 2700K to 4000K draws light down to the table or floor.

SEPARATE CIRCUITS
Up to three circuits on WARP Suspended and two on Hemi and Surface.



Diffused



Diffused + indirect



Indirect + spot



Spot



SUSPENDED & SURFACE

WARP

One clean cylinder, hung on cables or mounted to the ceiling, with diffused light, a precise spot and, on the pendant, indirect light.



SUSPENDED & SURFACE

WARP Suspended layers diffused, spot and indirect light. WARP Surface brings diffused light and spot close to the ceiling for corridors and lower rooms.

LUMINAIRES

Direct or Direct/Indirect (Suspended) · Direct (Surface)

SIZES

18″ or 24″

CIRCUITS

Up to three (Suspended) · Up to two (Surface)

MOUNTING

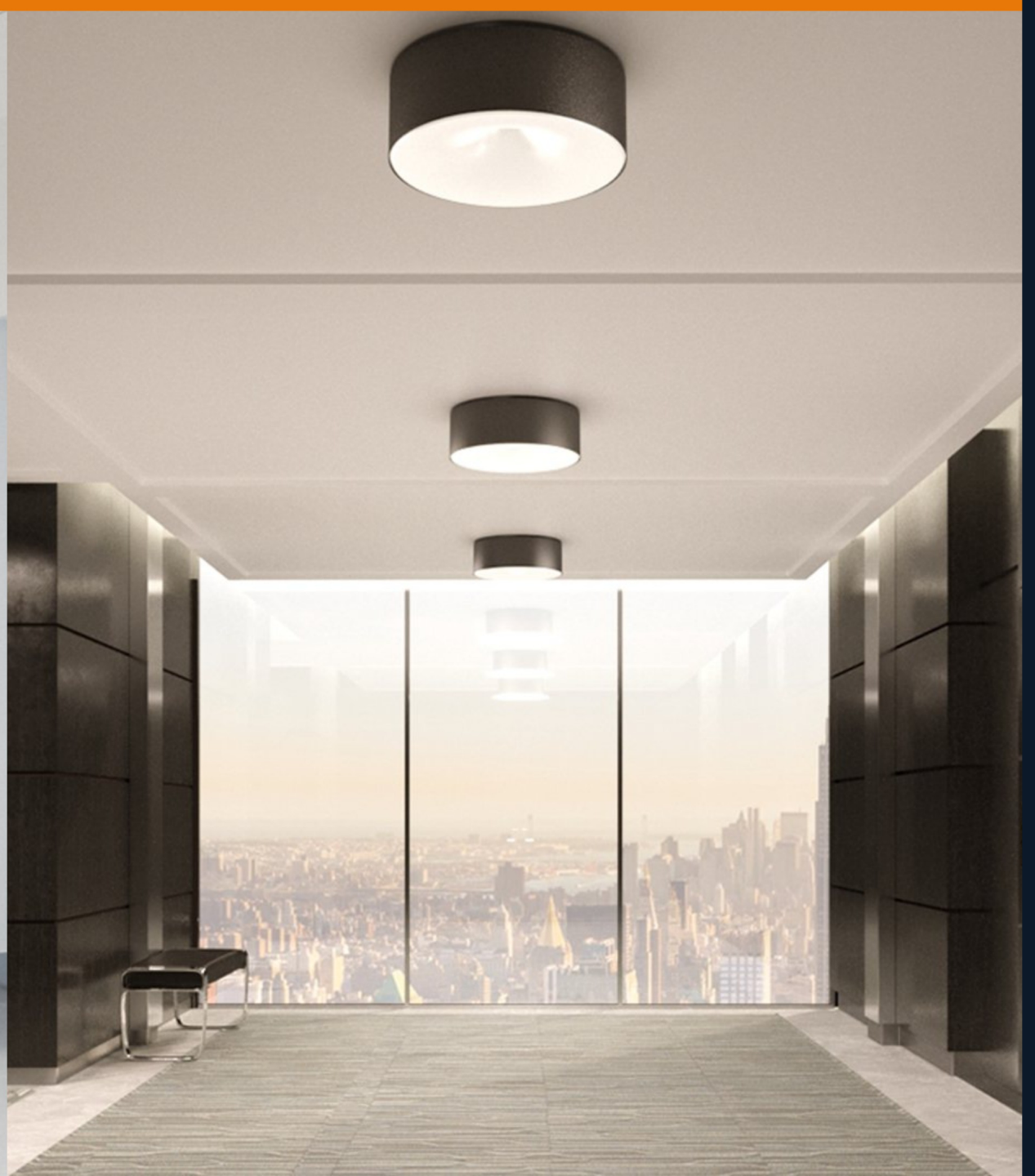
Power over suspension · J-box surface mount

DAY TO NIGHT

During the day, the diffused lens and indirect light fill an open office with even, low-glare light. In the evening, the spot circuit takes over and the ceiling glows softly above, turning the same floor into a warmer, more intimate space without changing a single luminaire.

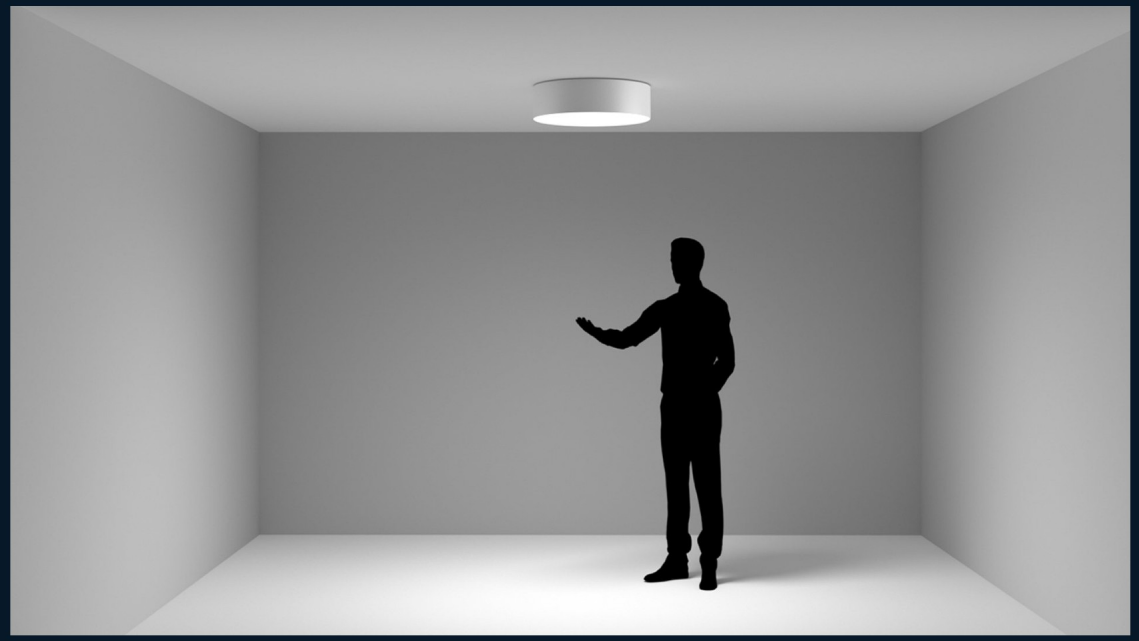




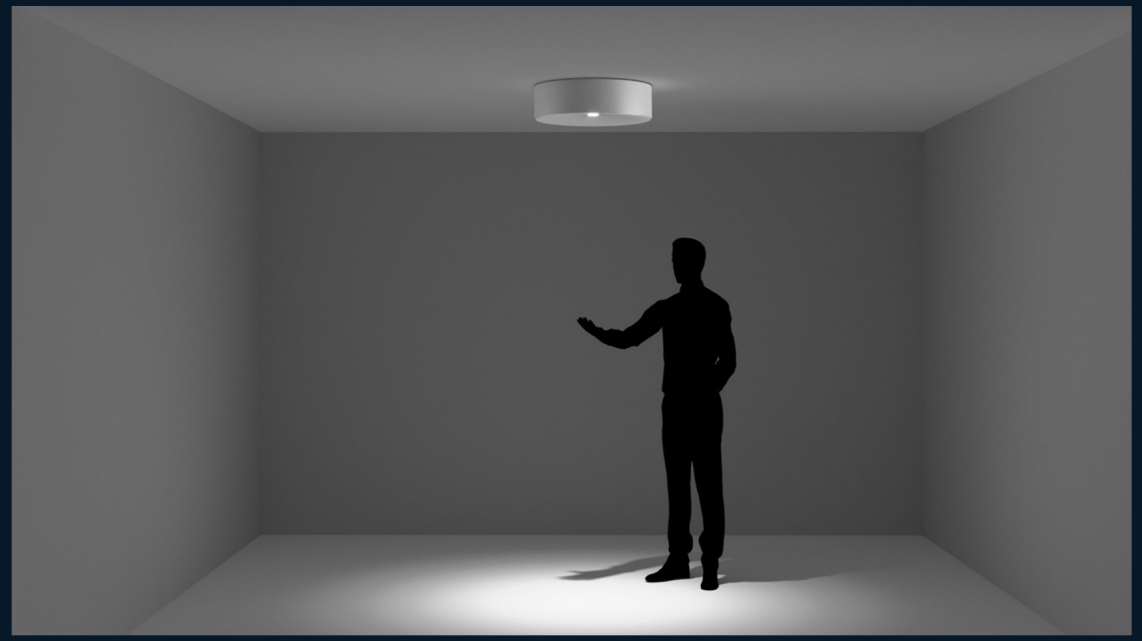


WARP™ SURFACE

DIFFUSED + SPOT



Diffused: an even, low-glare glow across the full lens.



Spot: a 28W, 40° direct light delivering 1,730 to 1,858 lm.

SIZES & OUTPUT



18″ (457 mm) and 24″ (610 mm) diameters

Mount	Size	Light	Direct	Indirect
Pendant	18″	Direct	3,300 lm	–
Pendant	24″	Direct	4,900 lm	–
Pendant	18″	Dir/Ind	3,300 lm	2,400 lm
Pendant	24″	Dir/Ind	4,900 lm	2,400 lm
Surface	18″	Direct	3,300 lm	–
Surface	24″	Direct	4,900 lm	–

Direct packages 2,000, 3,300 or 4,900 lm (4,900 lm on 24″ only)

Indirect packages Suspended only: 1,200, 1,800 or 2,400 lm, clear or opal lens

40° spot 1,730 to 1,900 lm, 2700K to 4000K

Emergency Remote, 1.5 h (3 h EU); Surface also offers Integral



SUSPENDED

WARP HEMI

A softly domed shade over a wide diffusing lens, with diffused and spot light on separate circuits.



HEMI SUSPENDED

Diffused and spot circuits move a room from open, ambient light to a focused mood over each table.

LUMINAIRE
Direct

SIZES
18″ or 24″

CIRCUITS
Single or dual

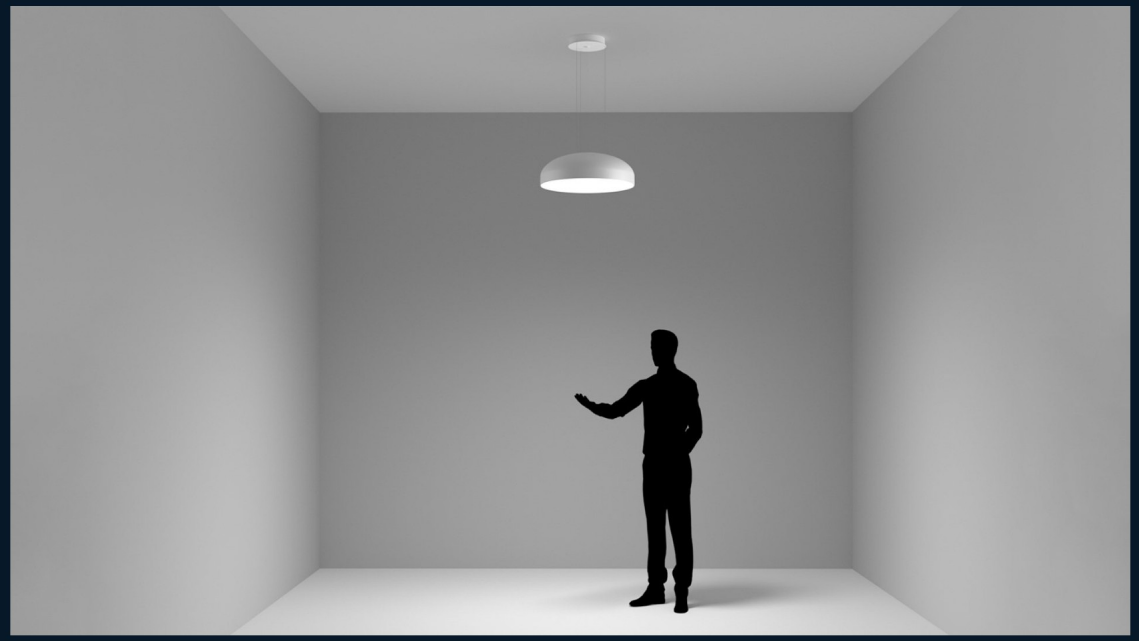
CANOPY
Canopy A or Canopy B

AMBIENT TO MOOD

By day, the full diffusing lens gives a dining room open, even light. As evening comes, the diffused circuit dims and the spot carries a focused pool of light down to every table, so the room settles into a more intimate mood.



DIFFUSED + SPOT



Diffused: the whole lens glows for soft, even ambient light.



Spot: a 40° beam, 1,700 to 1,900 lm, places light exactly where it is needed.

SIZES & OUTPUT



18" and 24" diameters

Size	Distribution	Direct
18"	Direct	3,300 lm
24"	Direct	4,900 lm

Direct packages 2,000, 3,300 or 4,900 lm (4,900 lm on 24" only)

40° spot 1,700 to 1,900 lm, 2700K to 4000K

Technical Specifications	Suspended	Surface	Hemi Suspended
Lumen Packages	Direct: 2,000 to 4,900 LM Indirect: 1,200 to 2,400 LM	Direct: 2,000 to 4,900 LM	Direct: 2,000 to 4,900 LM
Spot (40°)	1,730 to 1,900 LM	1,730 to 1,858 LM 28W direct light	1,700 to 1,900 LM
CCT	2700K to 4000K	2700K to 4000K	2700K to 4000K
CRI	80+	80+	80+
Mounting	Power over suspension J-box (North America)	Directly over J-box (North America)	Power over suspension Canopy A or B
Dimming	0-10V or DALI @ 1% and 0.1% DSI / switchDim	0-10V or DALI @ 1% and 0.1% DSI / switchDim	0-10V or DALI @ 1% and 0.1% DSI / switchDim
Emergency	Remote	Integral or Remote	Remote
Circuits	Single, Dual or Triple	Single or Dual	Single or Dual
Lifetime (L70)	>50,000 hrs @ 25°C	>50,000 hrs @ 25°C	>50,000 hrs @ 25°C

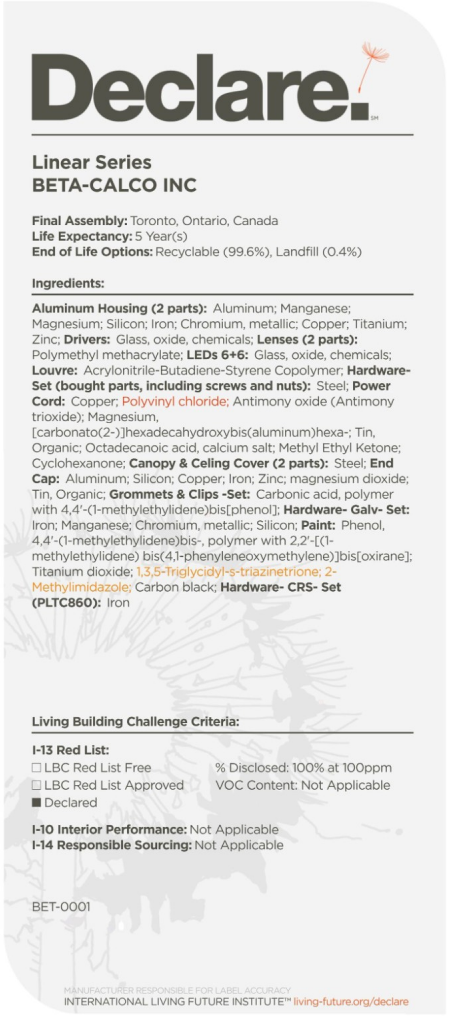
FINISHES

- White
- Silver Metallic Textured
- Gold Metallic Textured
- Champagne Metallic
- Copper Metallic
- Red Metallic Textured
- Midnight Blue Metallic Textured
- Bronze Metallic Textured
- Charcoal Metallic Textured
- Black Metallic Textured





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Linear Series
BETA-CALCO INC

Final Assembly: Toronto, Ontario, Canada
Life Expectancy: 5 Year(s)
End of Life Options: Recyclable (99.6%), Landfill (0.4%)

Ingredients:

Aluminum Housing (2 parts): Aluminum; Manganese; Magnesium; Silicon; Iron; Chromium, metallic; Copper; Titanium; Zinc; **Drivers:** Glass, oxide, chemicals; **Lenses (2 parts):** Polymethyl methacrylate; **LEDs 6+6:** Glass, oxide, chemicals; **Louvre:** Acrylonitrile-Butadiene-Styrene Copolymer; **Hardware-Set (bought parts, including screws and nuts):** Steel; **Power Cord:** Copper; Polyvinyl chloride; Antimony oxide (Antimony trioxide); Magnesium, [carbonato(2-)]hexadecahydroxybis(aluminum)hexa-; Tin, Organic; Octadecanoic acid, calcium salt; Methyl Ethyl Ketone; Cyclohexanone; **Canopy & Celing Cover (2 parts):** Steel; **End Cap:** Aluminum; Silicon; Copper; Iron; Zinc; magnesium dioxide; Tin, Organic; **Grommets & Clips -Set:** Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; **Hardware- Galv- Set:** Iron; Manganese; Chromium, metallic; Silicon; **Paint:** Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene) bis(4,1-phenyleneoxymethylene)]bis[oxirane]; Titanium dioxide; 1,3,5-Triglycidyl-s-triazinetrione; 2-Methylimidazole; Carbon black; **Hardware- CRS- Set (PLTC860):** Iron

Living Building Challenge Criteria:

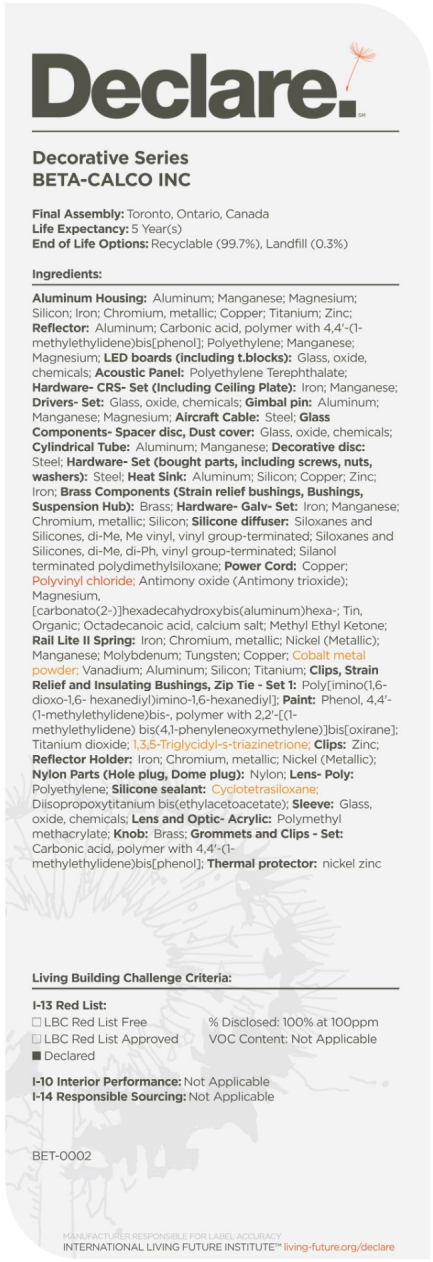
I-13 Red List:
☐ LBC Red List Free
☐ LBC Red List Approved
■ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

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

BET-0001

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Declare.

Decorative Series
BETA-CALCO INC

Final Assembly: Toronto, Ontario, Canada
Life Expectancy: 5 Year(s)
End of Life Options: Recyclable (99.7%), Landfill (0.3%)

Ingredients:

Aluminum Housing: Aluminum; Manganese; Magnesium; Silicon; Iron; Chromium, metallic; Copper; Titanium; Zinc; **Reflector:** Aluminum; Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Polyethylene; Manganese; Magnesium; **LED boards (including t.blocks):** Glass, oxide, chemicals; **Acoustic Panel:** Polyethylene Terephthalate; **Hardware- CRS- Set (Including Ceiling Plate):** Iron; Manganese; **Drivers- Set:** Glass, oxide, chemicals; **Gimbal pin:** Aluminum; Manganese; Magnesium; **Aircraft Cable:** Steel; **Glass Components- Spacer disc, Dust cover:** Glass, oxide, chemicals; **Cylindrical Tube:** Aluminum; Manganese; **Decorative disc:** Steel; **Hardware- Set (bought parts, including screws, nuts, washers):** Steel; **Heat Sink:** Aluminum; Silicon; Copper; Zinc; Iron; **Brass Components (Strain relief bushings, Bushings, Suspension Hub):** Brass; **Hardware- Galv- Set:** Iron; Manganese; Chromium, metallic; Silicon; **Silicone diffuser:** Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated; Siloxanes and Silicones, di-Me, di-Ph, vinyl group-terminated; Silanol terminated polydimethylsiloxane; **Power Cord:** Copper; Polyvinyl chloride; Antimony oxide (Antimony trioxide); Magnesium, [carbonato(2-)]hexadecahydroxybis(aluminum)hexa-; Tin, Organic; Octadecanoic acid, calcium salt; Methyl Ethyl Ketone; **Rail Lite II Spring:** Iron; Chromium, metallic; Nickel (Metallic); Manganese; Molybdenum; Tungsten; Copper; Cobalt metal powder; Vanadium; Aluminum; Silicon; Titanium; **Clips, Strain Relief and Insulating Bushings, Zip Tie - Set 1:** Poly[imino(1,6-dioxo-1,6- hexanediyl)imino-1,6-hexanediyl]; **Paint:** Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene) bis(4,1-phenyleneoxymethylene)]bis[oxirane]; Titanium dioxide; 1,3,5-Triglycidyl-s-triazinetrione; **Clips:** Zinc; **Reflector Holder:** Iron; Chromium, metallic; Nickel (Metallic); **Nylon Parts (Hole plug, Dome plug):** Nylon; **Lens- Poly:** Polyethylene; **Silicone sealant:** Cyclotetrasiloxane; Diisopropoxytitanium bis(ethylacetoacetate); **Sleeve:** Glass, oxide, chemicals; **Lens and Optic- Acrylic:** Polymethyl methacrylate; **Knob:** Brass; **Grommets and Clips - Set:** Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol]; **Thermal protector:** nickel zinc

Living Building Challenge Criteria:

I-13 Red List:
☐ LBC Red List Free
☐ LBC Red List Approved
■ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

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

BET-0002

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
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WHY DECLARE MATTERS

Every year, the building industry accounts for 39% of global carbon emissions, and the health impacts of the built environment are drawing increased scrutiny. In earning a Declare label for our linear and decorative lines, we're joining over 200 manufacturers by responding to the market's demand for decreased emissions and increased transparency.



BETACALCO

Since 1941, we have held a passion for designing cutting-edge professional lighting that changes how spaces are illuminated while upholding the enduring principles of quality and craftsmanship.

Our objective is to work in lockstep with our clients by developing innovative products that meet their varied design needs and comply with the latest energy and construction standards. Furthermore, our manufacturing infrastructure allows us to scale products and satisfy niche design requirements.

Our customer-centric approach to service and product design is the basis of our reputation and how we have become a key lighting supplier across the globe.

betacalco.com

sales@betacalco.com