

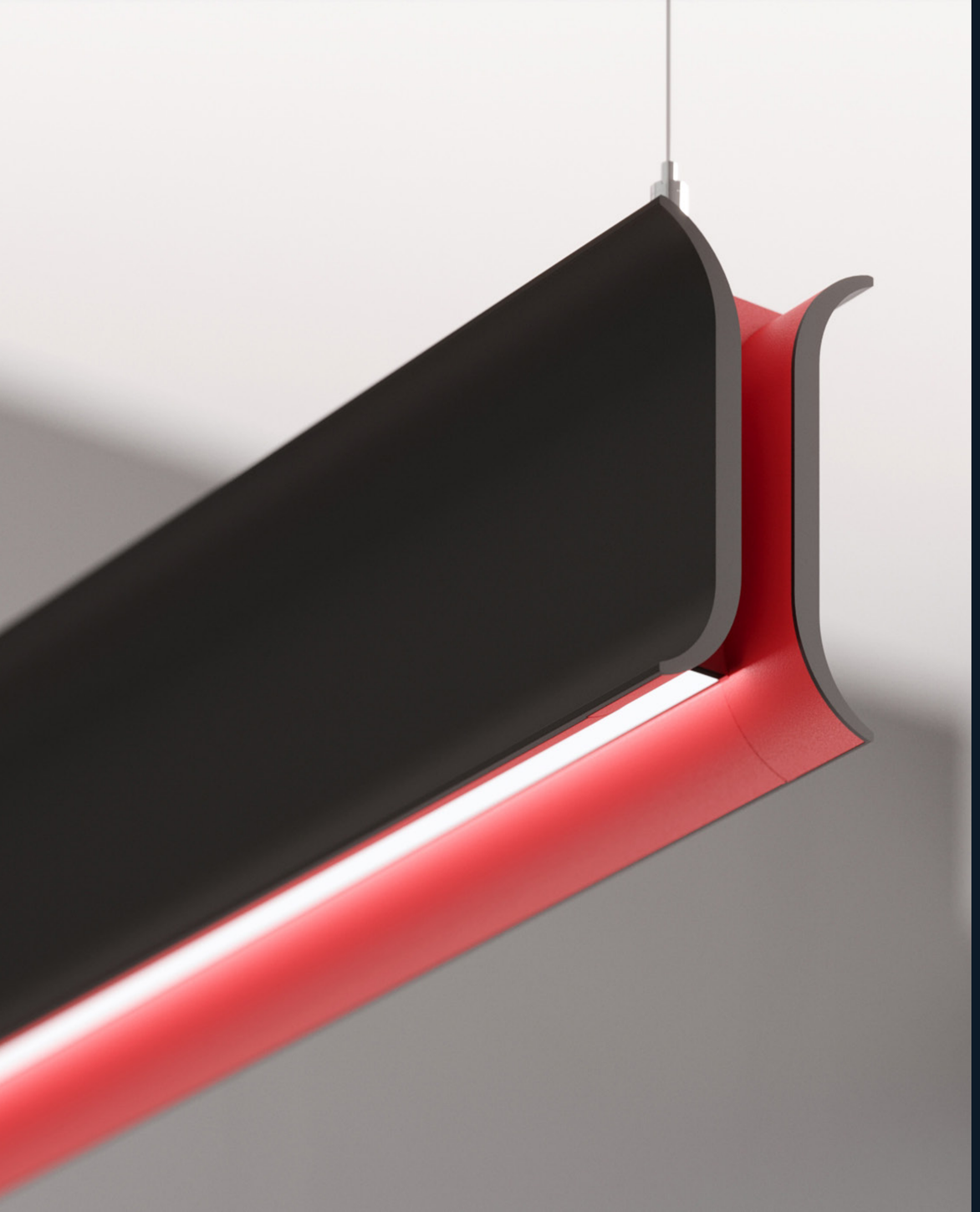
MICRO FLARE™

MICRO FLARE

INTRODUCTION

MICRO FLARE is a suspended linear luminaire built around texture and duotone. Two splayed panels reveal a contrasting inner trim, creating the perception of a duplex material, while the regressed end cap gives the profile a serif-like detail and draws the inner finish out as a color accent. It is ideal for interiors that call for textures and duotones. With a UGR <19, the LEDs are pitched to keep the inner trim accentuated, not washed out. MICRO FLARE suits projects where texture and finish lead the design.





FEATURES

LOW-GLARE PERFORMANCE

With a striking aesthetic, MICRO FLARE provides low-glare optics with a UGR <19, an ideal solution for spaces where people spend long hours under the light. The low-glare design delivers visual comfort for occupants.

BESPOKE

Create a luminaire tailored to the space. Designers can specify lumen packages, color temperatures, open-standard control systems, and mounting methods to achieve a configuration that aligns with the needs of the project.

HIGH-EFFICIENCY ILLUMINATION

Achieve efficient performance with up to 109 LPW for direct illumination and an exceptional 144 LPW for indirect. This efficacy supports bright, uniform lighting while lowering energy demand, providing both environmental and cost advantages for expansive spaces.

Style and Elegance
Two splayed panels reveal an inner trim, creating the perception of a duplex material. The internal and external profiles can be independently finished from a range of sophisticated finishes, to blend, complement, or pop. The regressed end cap gives the profile a serif-like detail.



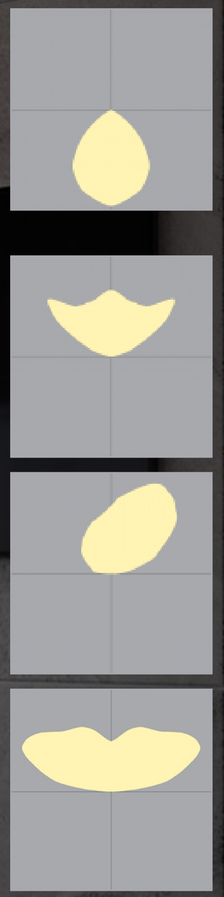


Optical Excellence
The LEDs are perfectly pitched to optimize light performance and visual light diffusion offering visual appeal and comfort with a UGR <19. The indirect light comes with a 120° Batwing option that adds that elegant glare-free lighting experience in ambient form.

SUSPENDED OPTICS

Direct

Indirect



Comfort Lens:
The frosted acrylic lens is engineered to provide better light control and softer distribution.

Batwing:
A 120° beam provides even distribution on the ceiling and contributes to the ambient light with minimal glare.

Asymmetric:
The asymmetric optic for indirect lighting directs light at an angle, enhancing wall surfaces and creating a sense of spaciousness.

Extra-Wide Batwing:
A 160° distribution reaches deeper across the ceiling for even reflection into the room below, allowing greater distance between luminaires and more efficient layouts.

MICRO FLARE

PRECISION ENGINEERING

The light source is optimized to accentuate the inner trim with flexible suspension points for easier installation. The hook & latch connector ensures zero light leak and a simple tool-free installation.





Sustainable Illumination
MICRO FLARE's high-efficacy design delivers 109 lumens per watt for direct light and an exceptional 144 lumens per watt for indirect light, providing balanced, energy-efficient illumination while maintaining a sleek architectural profile.

DIMENSIONS

Section Lengths

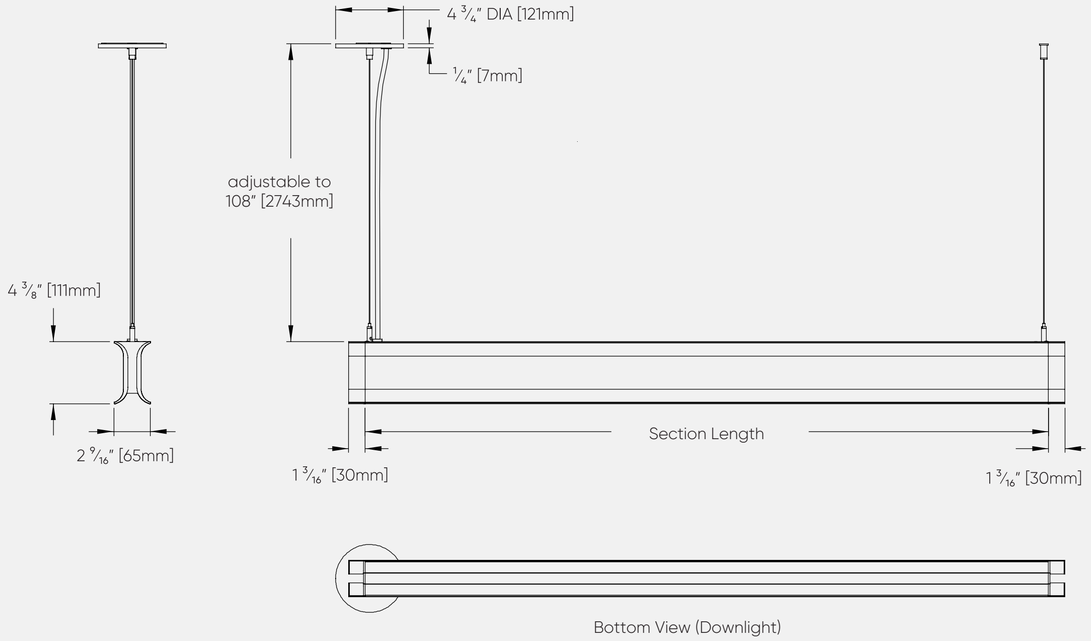
4 FT (1220mm)

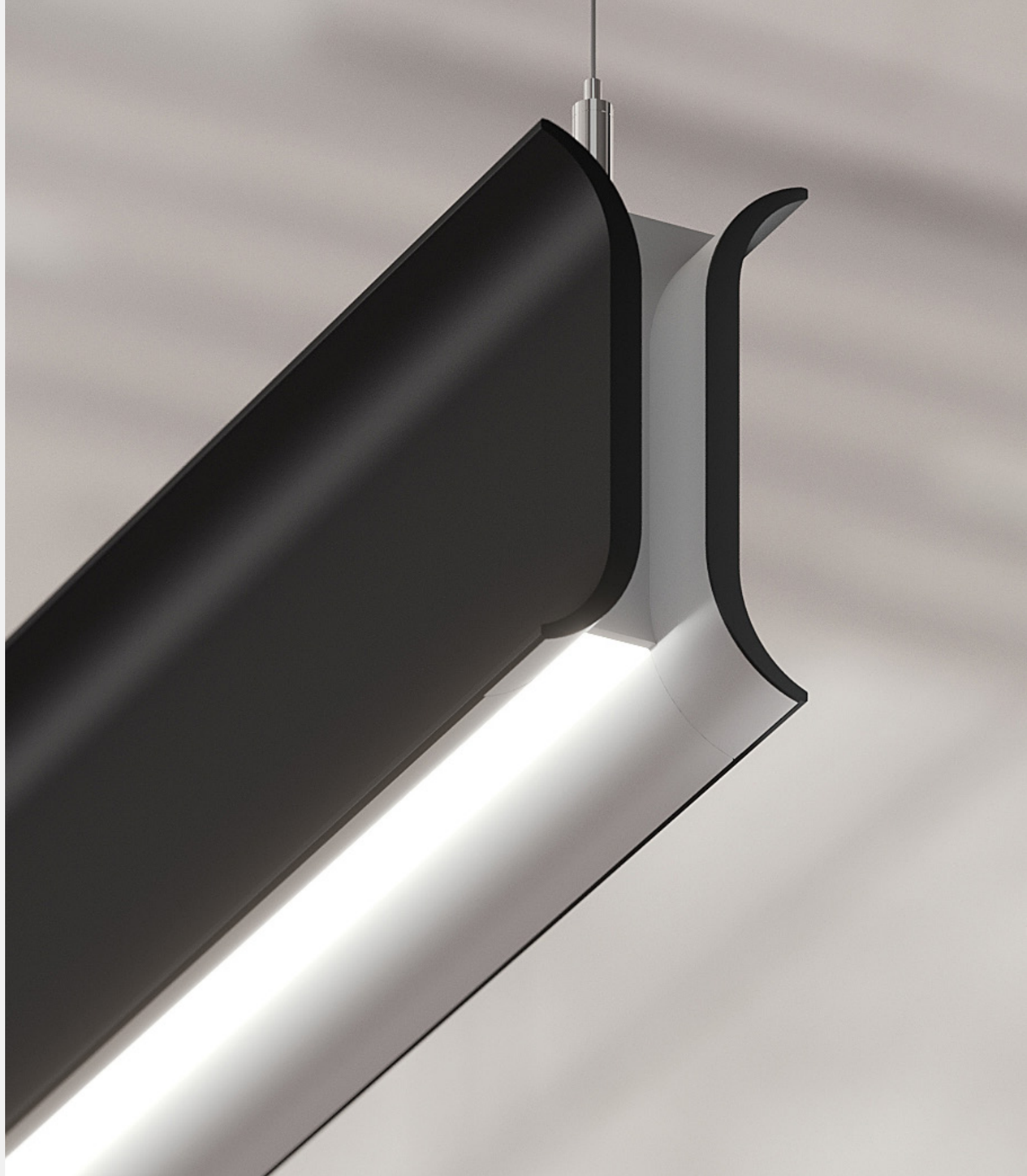
6 FT (1829mm)

8 FT (2438mm)

10 FT (3048mm)

12 FT (3658mm)







TECHNICAL SPECIFICATIONS

Lumen packages:
Direct: 100 LM/FT to 400 LM/FT
Direct/Indirect: 200 LM/FT to 1400 LM/FT
CCT:
2700K, 3000K, 3500K, 4000K
CRI:
90+
Light Distribution:
Diffused, Batwing (Clear), Asymmetric

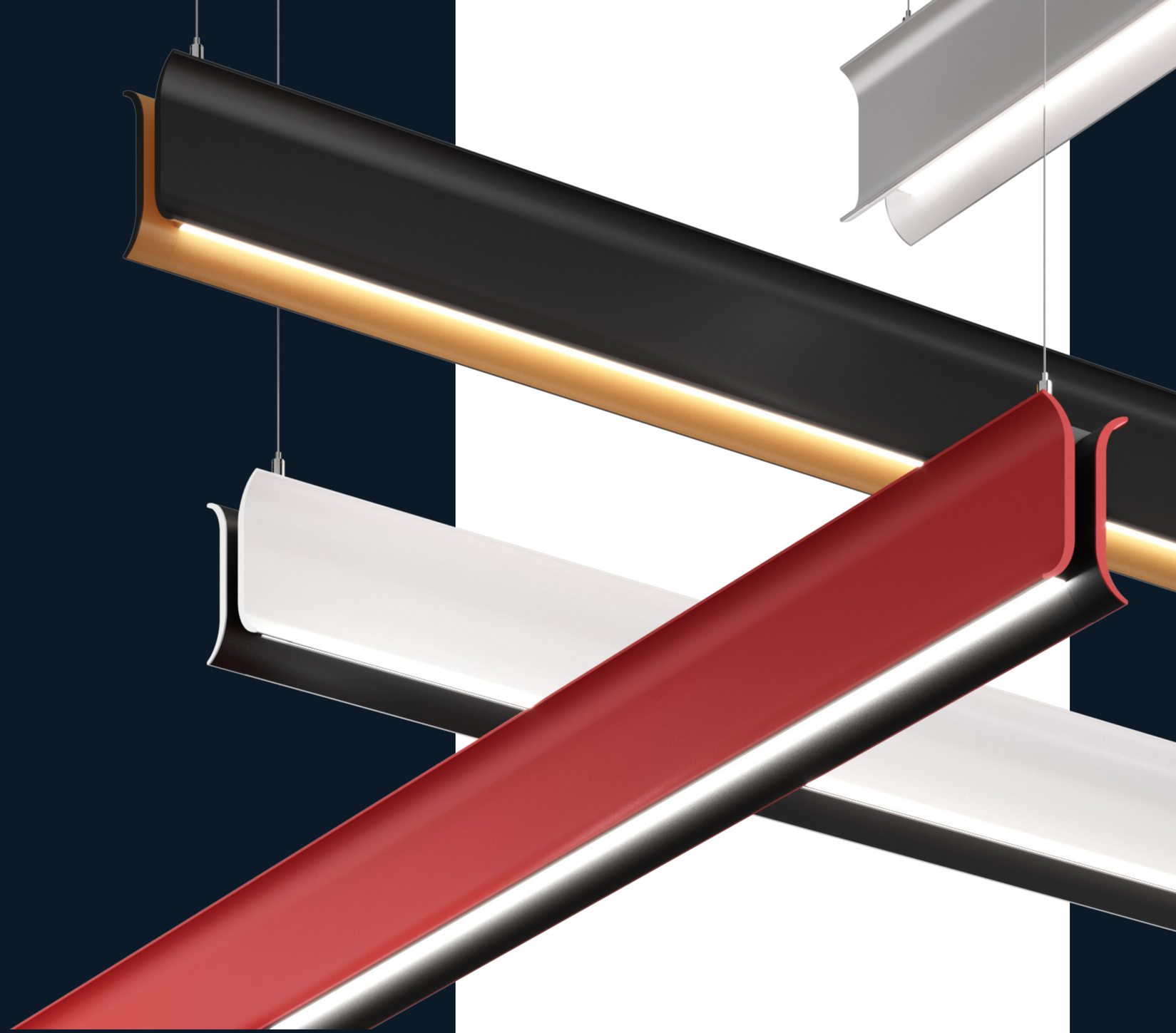
Circuits:
Single or Dual
Emergency:
Emergency System - Remote
Emergency Generated Circuit
Dimming (Integral Drivers):
0-10V Dimming at 0.1% and 1.0%
DALI Dimming at 0.1% and 1.0%
DSI/switchDim
PoE
Sensors:
Consult Factory.

FIXTURE/CANOPY
FINISHES

- Black Metallic Textured
- Red Metallic Textured
- Silver Metallic Textured
- White

INSIDE PANEL
FINISHES

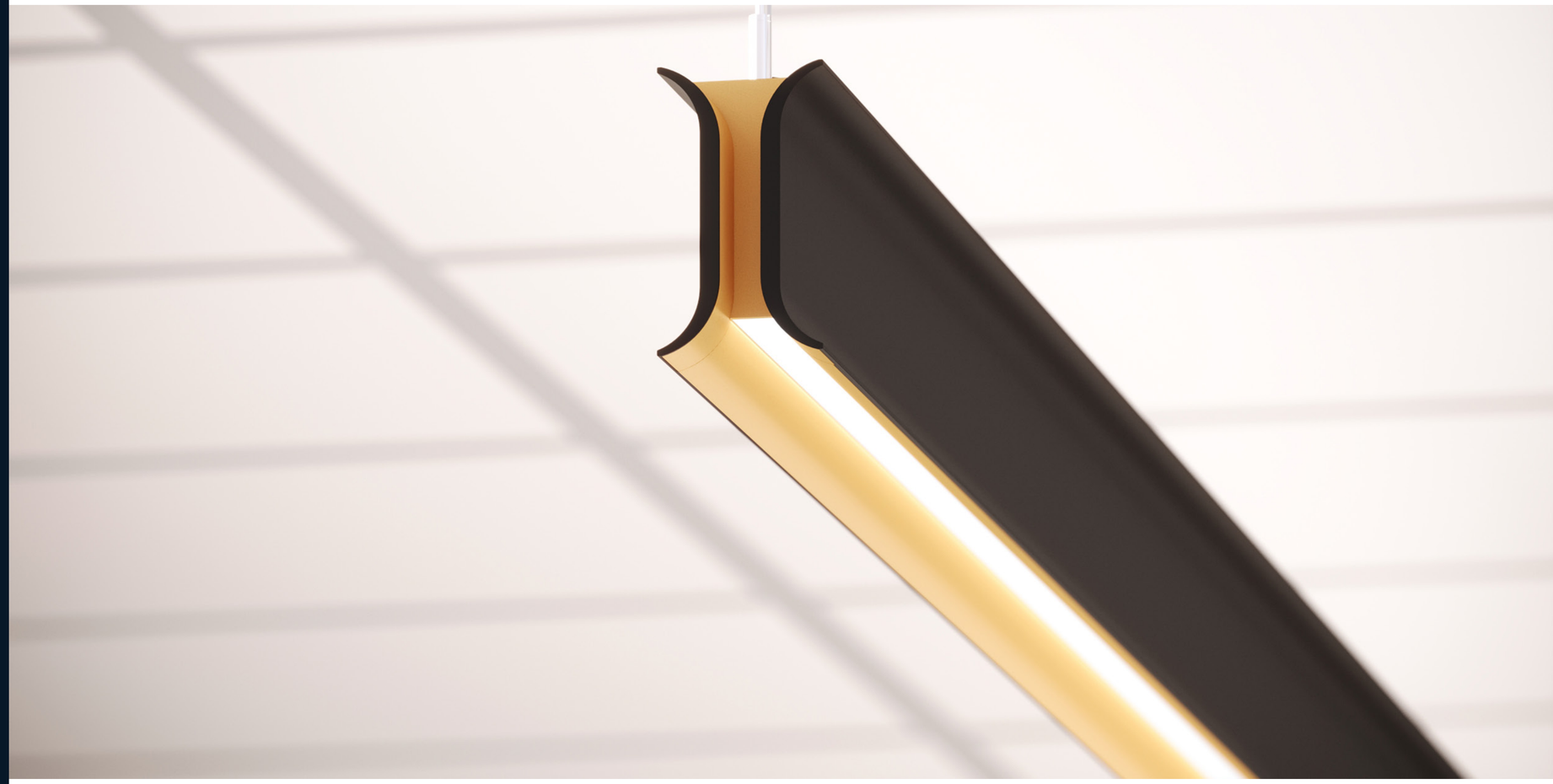
- Black Metallic Textured
- Red Metallic Textured
- Gold Metallic
- Silver Metallic Textured
- White



Boost Health and Wellness

with Circadian Lighting

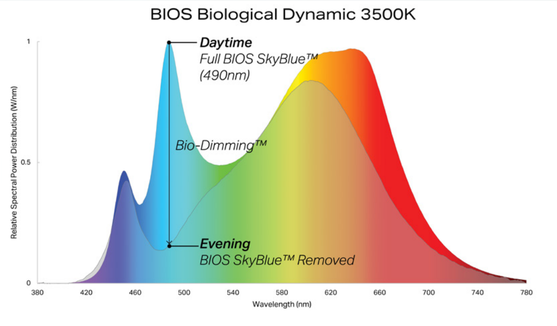
Modern living confines building occupants to artificial lighting for 90% of their time. While functional, it lacks the vital circadian signals present in natural sunlight. This disconnect disrupts the internal clock, impacting various aspects of occupant health, including alertness, mood, sleep quality, and even long-term well-being.



bios ILLUMINATED

Introducing MICRO FLARE with BIOS SkyBlue™ Integration

BIOS SkyBlue represents a groundbreaking advancement in lighting technology which can be integrated with the MICRO FLARE collection. It incorporates the essential blue-sky signals (490nm) that the human body relies on to maintain a healthy circadian rhythm, promoting well-being and aligning indoor lighting with natural light cycles.



BENEFITS OF INTEGRATED CIRCADIAN LIGHTING

Enhanced Circadian Regulation
BIOS SkyBlue promotes healthier sleep-wake cycles for building occupants, leading to improved overall health and well-being.

Increased Alertness and Productivity
Experience sharper focus and a more energized workday for occupants.

Elevated Mood
Foster a positive and productive work environment with a boost in occupant emotional well-being.

Improved Sleep Quality
BIOS SkyBlue can help occupants fall asleep more easily and achieve a more restful night's sleep.

UNCOMPROMISING QUALITY FOR BUILDING SUCCESS

BIOS SkyBlue prioritizes exceptional quality without compromise, ensuring optimal performance and occupant comfort.

Industry-Leading Melanopic Ratios
Delivers optimal circadian stimulation at comfortable color temperatures (3000K, 3500K, 4000K).

Brilliant Color Rendering
Maintains exceptional visual comfort with a CRI of 80+ and R9>90.

Simple and Flexible Controls
Single-channel dimming offers seamless compatibility with 0-10V, wireless controls, and even 2-channel systems for easy integration into existing building management systems.

WELL Building Standard™ Compliance
Contributes to achieving WELL certification for projects, signifying a commitment to creating healthier spaces.



Declare.®



Declare.

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

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
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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.

We use leading-edge wellness technologies including BIOS, Tunable White, and Dim to Warm; and employ open-source connectivity to intelligent control systems, including Power over Ethernet.

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