

BLADE

RING BLADE™
SWITCH BLADE™
RING DISC™
BLADE SYSTEMS™

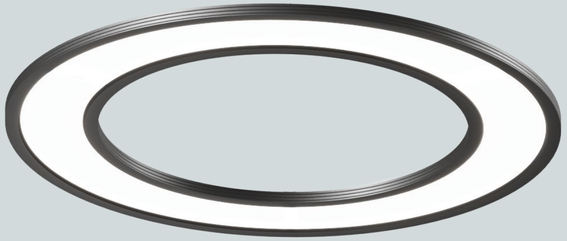
INTRODUCTION

RING BLADE™
SWITCH BLADE™
RING DISC™
BLADE SYSTEMS™

Razor-thin from the side, wide open from below. Blade is Beta-Calco's 3/4"-tall family, where light guide plate optics turn a slim luminous face into powerful, low-glare illumination at up to 120 lumens per watt, with almost nothing visible holding it up. The family spans the full geometric vocabulary. Ring Blade draws the pure circle. Ring Disc fills it as a floating illuminated plane. Switch Blade breaks it into sculptural offset arcs. Blade Systems takes it linear, joining runs into expansive grids, branches, and honeycomb arrays across the ceiling. Standing alone or gathered in dynamic clusters, every Blade luminaire brings the same crisp edge and commanding presence to boardrooms, open offices, and modern interiors. These luminaires are architectural statements for your space, giving designers the freedom to define the space with light across three dimensions.



BLADE
VARIANTS



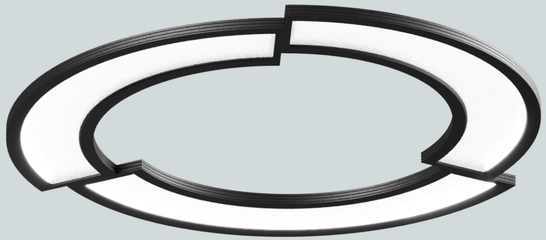
RING BLADE

Pendant



SWITCH BLADE 2

Pendant



SWITCH BLADE 3

Pendant



RING DISC

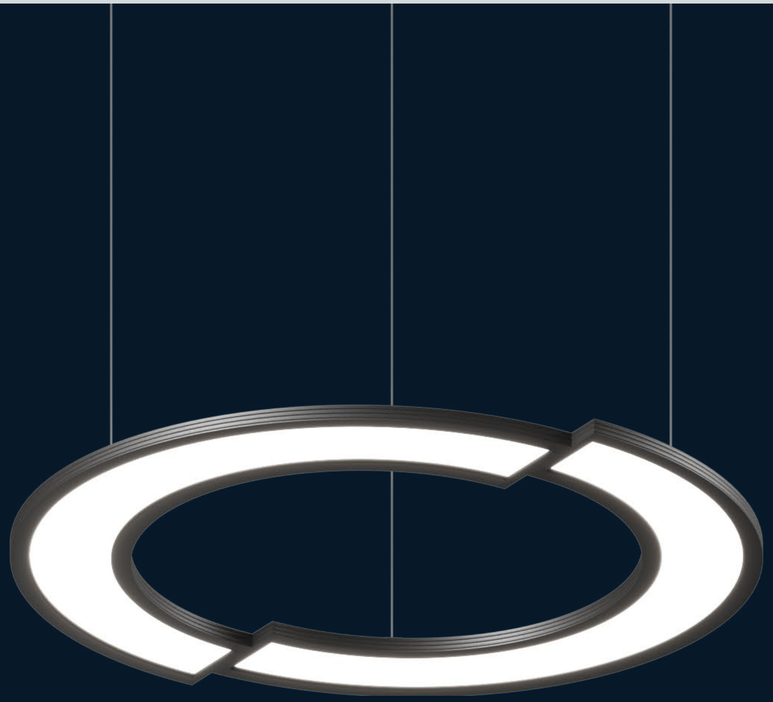
Pendant



BLADE SYSTEMS

Pendant

SUSPENSION SYSTEMS



VERTICAL



HUB



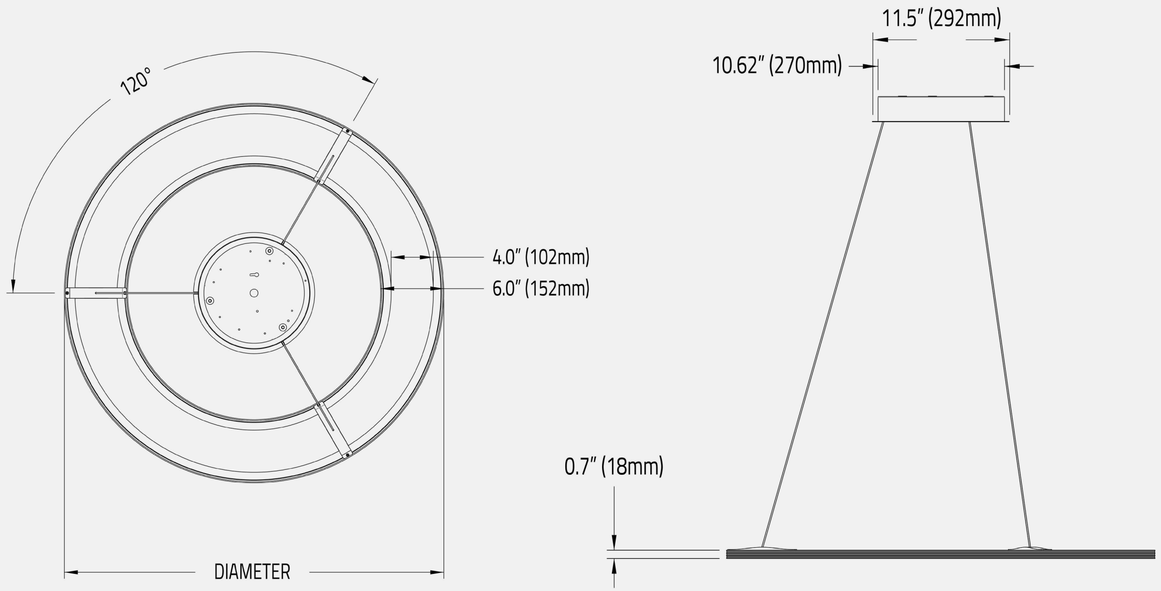
RING BLADE

Ring Blade brings slender geometry and soft ambient light to the bar. The trim circular form suits the room's contemporary materials, and each luminaire's glow carves out its own pocket of intimacy within the open plan.





DIMENSIONS



Nominal/Actual Diameter	Ring Blade	Switch Blade 2	Switch Blade 3
3ft	36" [914mm]	38" [965mm]	38" [953mm]
4ft	48" [1219mm]	50" [1270mm]	50" [1257mm]
5ft	60" [1524mm]	62" [1575mm]	62" [1562mm]
6ft	72" [1829mm]	74" [1880mm]	74" [1867mm]





SWITCH BLADE

Switch Blade turns the classic ring into a sculptural gesture, casting soft ambient light while the offset connection gives the eye something to follow. Against a structured acoustic ceiling, the luminaire reads as both light source and design element.





SWITCH BLADE 2

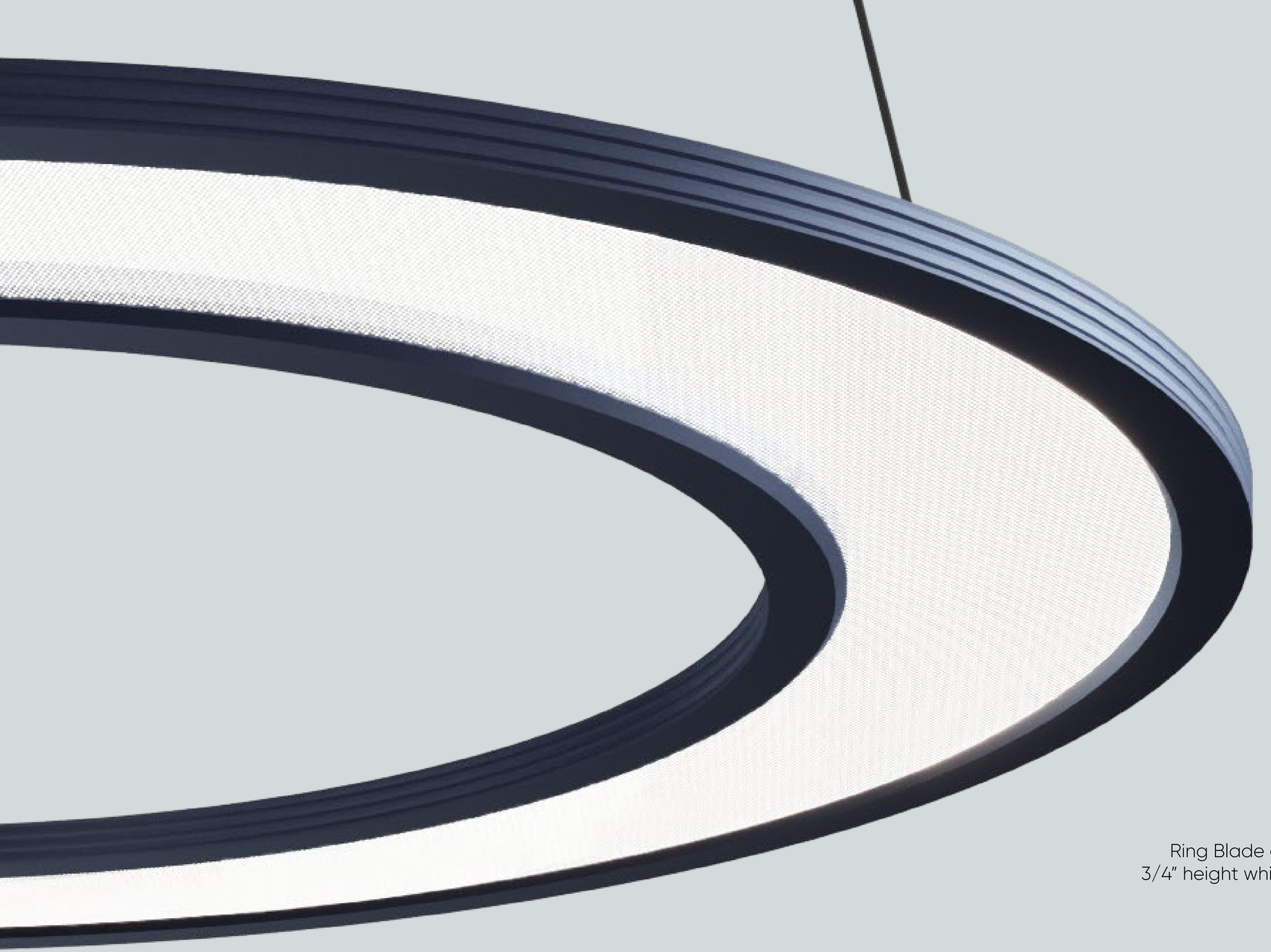
Punctuate the room with a bold gesture. Switch Blade sets crisp, angular geometry against organic lines and textures, casting ambient light that works as hard as it looks. Two sections meet at an offset connection, creating a deliberate asymmetry that draws the eye and sits naturally within modern architecture.

SWITCH BLADE 3

The pendants appear to float, an illusion crafted by their precise placement and minimalist design, enhancing the room's sophisticated air. The visual appeal is maintained with 3 joining sections in the Switch Blade 3, adding an extra layer of style to your space.







The Ring, Refined.
Ring Blade and Switch Blade bring the classic ring down to a 3/4" height while delivering up to 120 LPW, pairing slim geometry with strong light output for modern architecture.



RING DISC

Ring Disc delivers soft, low-glare illumination across a wide range of interiors. Its slim, minimalist form settles easily into professional environments, with even light distribution that keeps meeting rooms and collaborative workspaces comfortable. With efficacy up to 119 LPW, the luminaire balances strong output with a quiet presence overhead.

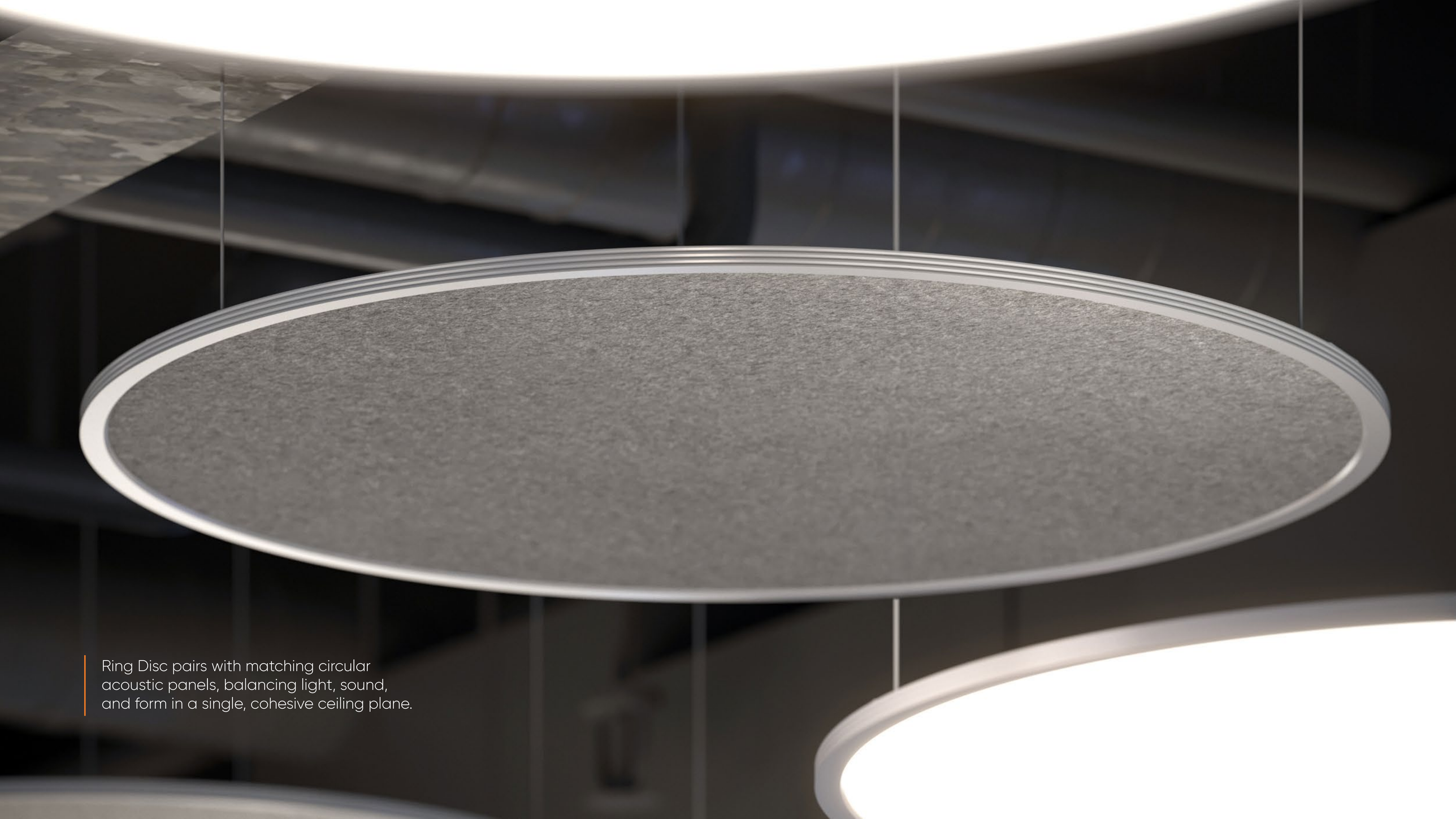


With its ultra-slim profile and pendant mounting, the Ring Disc brings a touch of modern sophistication to any space. Its clean lines and radiant glow make it the perfect centerpiece for open environments, offering both style and high-performance illumination.



A thin, ringed edge frames a single luminous plane, so the light reads as one clean shape from anywhere in the room.

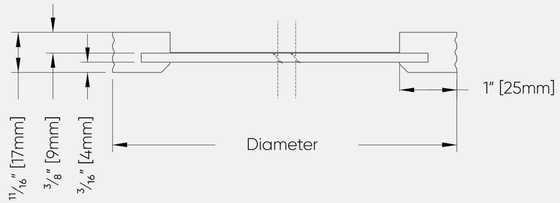


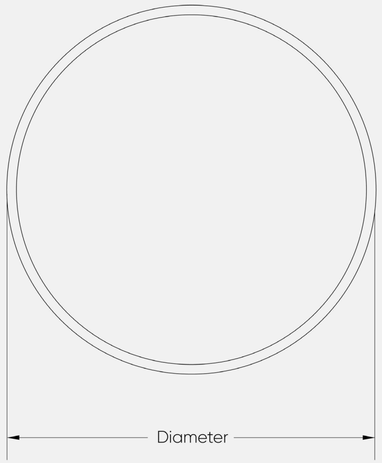


Ring Disc pairs with matching circular acoustic panels, balancing light, sound, and form in a single, cohesive ceiling plane.

DIMENSIONS

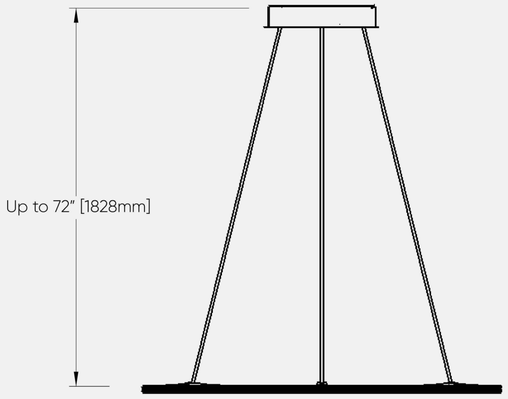
CROSS SECTION



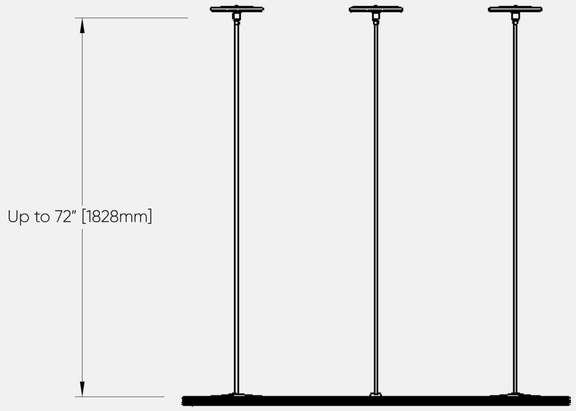


Diameter	Minimum Suspension Height
3' [914mm]	15" [381mm]
4' [1219mm]	20" [508mm]

Distance to ceiling
Hub Mount



Distance to ceiling
Vertical Mount







BLADE SYSTEMS

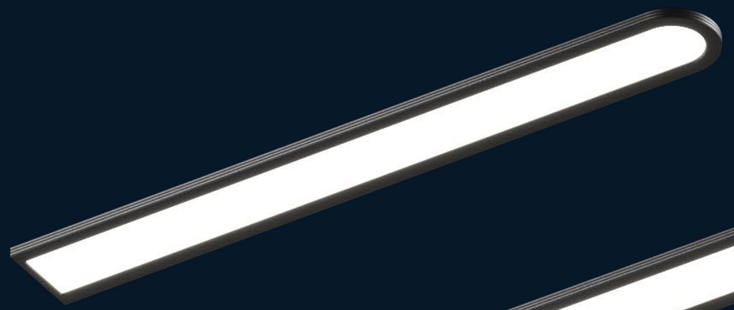
Blade Systems treats modular geometry as an architectural medium. Low-profile runs meet at lit junctions, so each connection glows as part of the run instead of interrupting it. Branch a single path over open workstations or carry runs across the full floor plate, and the system follows the plan rather than dictating it. The result is high-performance, low-glare illumination with real graphic presence, made for open-plan offices, collaborative hubs and high-impact interiors.

BLADE SYSTEMS

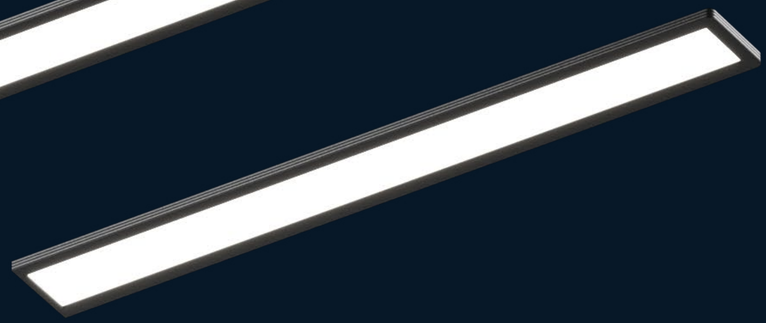
Every configuration starts from the same 3/4" height profile, with a family of geometric connectors that extends it in whatever direction the room calls for. Switched on, Blade Systems delivers a confident plane of light. Switched off, the light guide plate reads as a refined structural pane with a subtle frosted matrix. The room keeps its open, airy feel, and the luminaire holds its place as a modern design element.



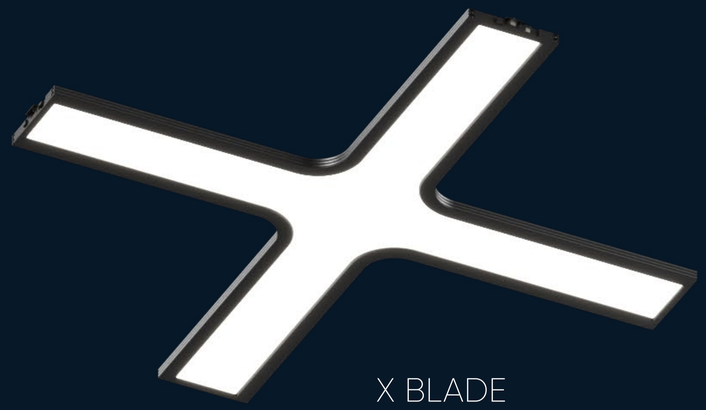
BLADE SYSTEMS



ROUND END CAP



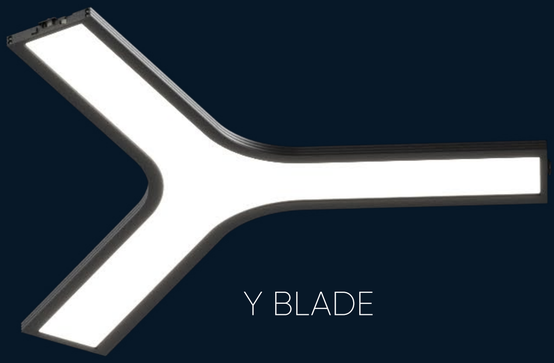
STRAIGHT END CAP



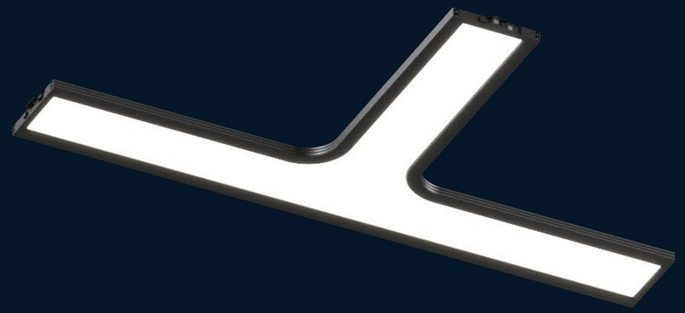
X BLADE



C90 BLADE



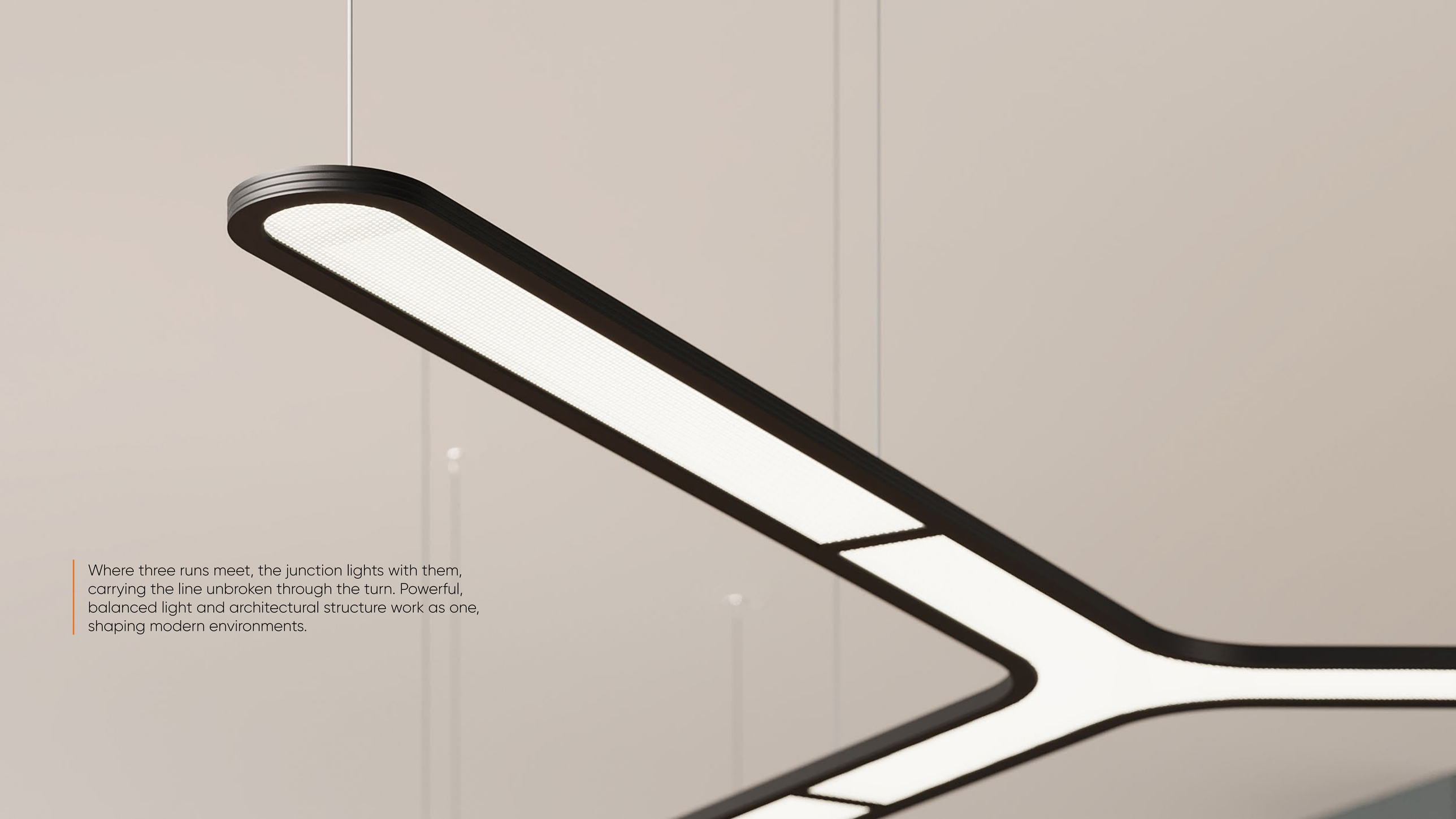
Y BLADE



T BLADE



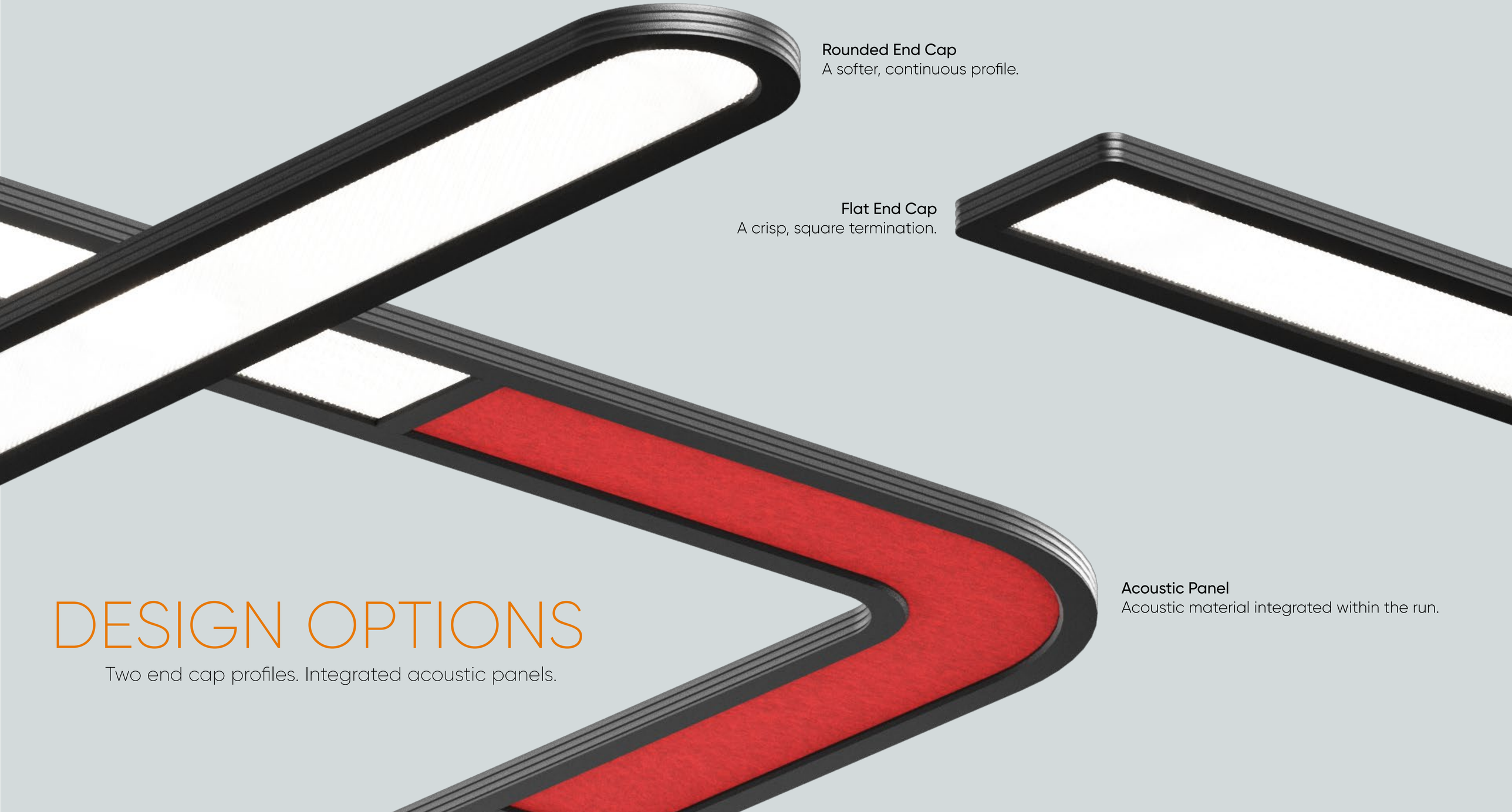
C120 BLADE



Where three runs meet, the junction lights with them, carrying the line unbroken through the turn. Powerful, balanced light and architectural structure work as one, shaping modern environments.



Blade Systems follows the architecture in three dimensions, angling upward at a hinged junction to trace the rise of the stairs from lobby to landing.



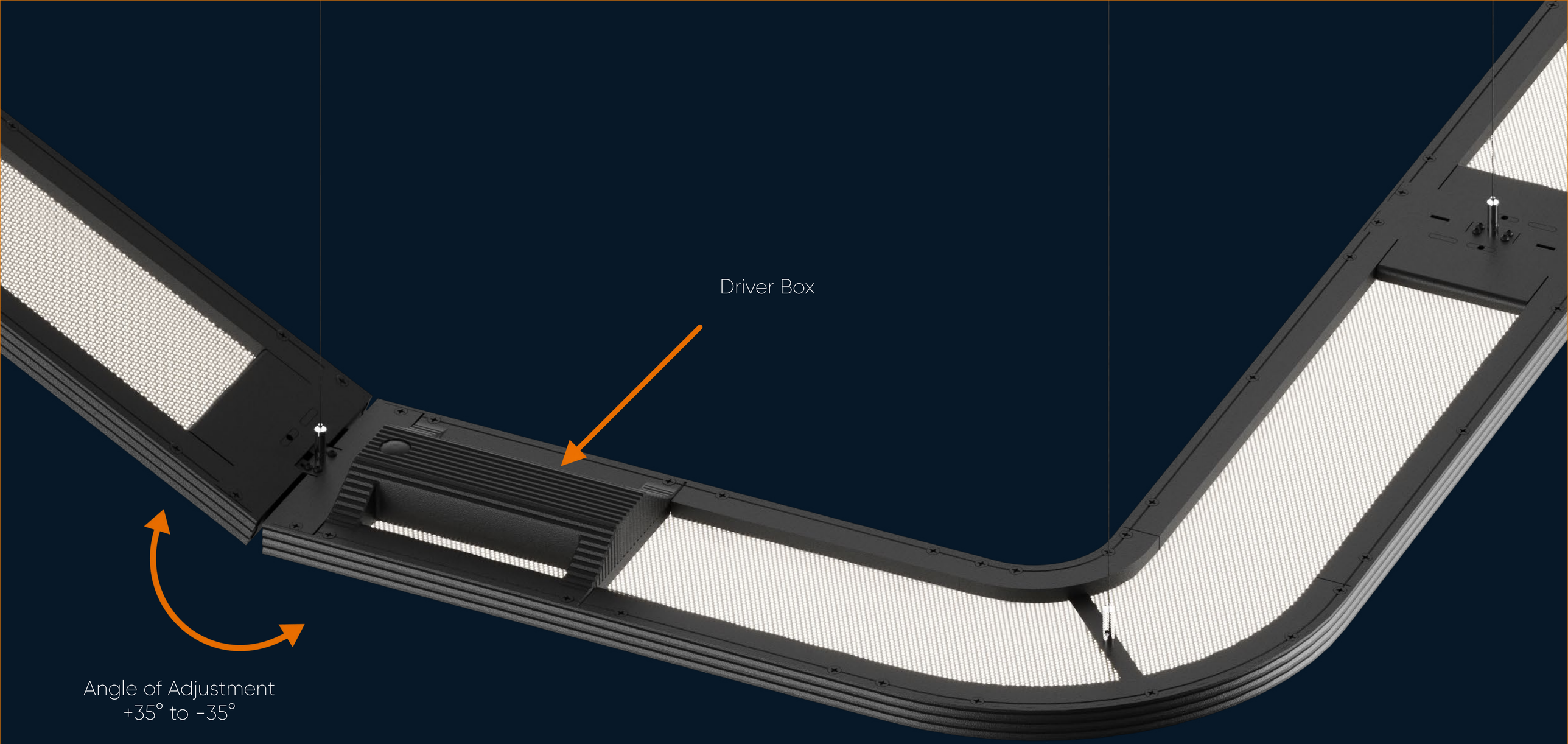
Rounded End Cap
A softer, continuous profile.

Flat End Cap
A crisp, square termination.

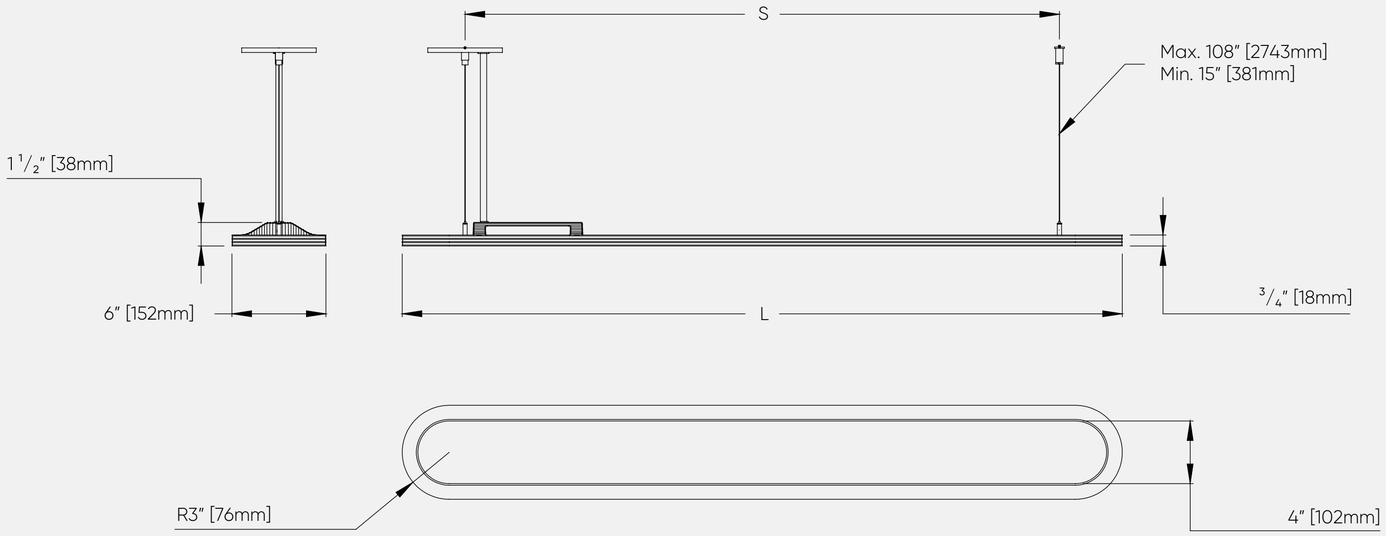
Acoustic Panel
Acoustic material integrated within the run.

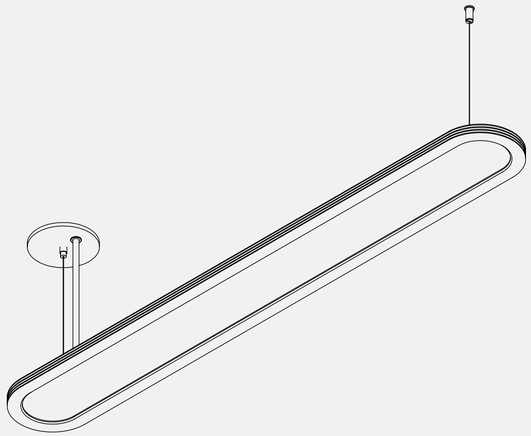
DESIGN OPTIONS

Two end cap profiles. Integrated acoustic panels.


Driver Box
Angle of Adjustment
+35° to -35°

DIMENSIONS





FIXTURE SIZE	L Overall Length	S Suspension
3FT (SS3)	34" [863mm]	26" [660mm]
4FT (SS4)	46" [1168mm]	38" [965mm]
5FT (SS5)	58" [1473mm]	44" [1118mm]
6FT (SS6)	70" [1778mm]	44" [1118mm]
7FT (SS7)	82" [2082mm]	50" [1270mm]
8FT (SS8)	94" [2387mm]	56" [1422mm]





Switched off, the optical-grade light guide plate stays see-through, letting the space beyond remain visible past the luminaire.

BLADE SYSTEMS





Not every section has to light. Specify acoustic panels in place of select lit sections, helping control reverberation in busy shared spaces without breaking the system's line across the ceiling.





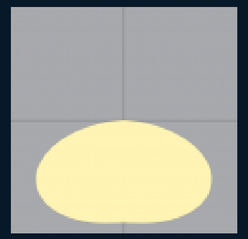
One Hub. Complete on Its Own.

Every Blade Systems hub, from a straight run to a three- or four-way junction, can be specified as a standalone luminaire, finished with end caps and ready to suspend.

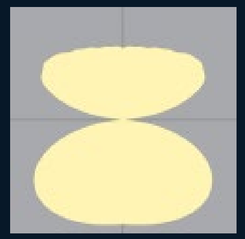


LIGHT DISTRIBUTION

RING BLADE & SWITCH BLADE

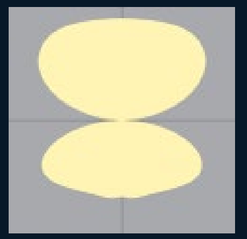


Direct 100%



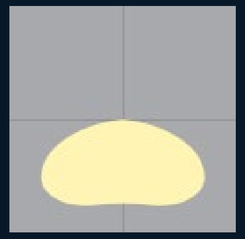
Direct 54%
Indirect 46%

RING DISC

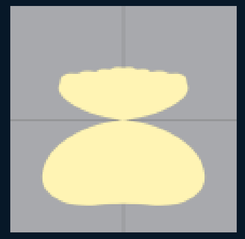


Direct 48%
Indirect 52%

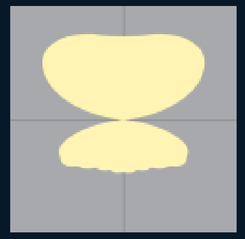
BLADE SYSTEMS



Direct 100%



Direct 60%
Indirect 40%



Direct 40%
Indirect 60%



Direct 75%
Indirect 25%
(Batwing Indirect)

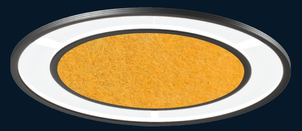


Direct 60%
Indirect 40%
(Asymmetric)



Direct 40%
Indirect 60%
(Asymmetric)

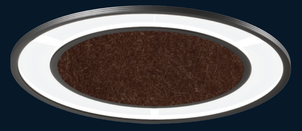
Technical Specifications	Ring Blade, Switch Blade	Ring Disc	Blade Systems
Lumen Packages	**Direct:** 400 LM/FT to 800 LM/FT **Direct/Indirect:** 600 LM/FT to 1000 LM/FT	**Direct/Indirect:** 1700 LM to 12050 LM	**Direct:** 400 LM/FT to 800 LM/FT **Direct/Indirect:** 600 LM/FT to 1000 LM/FT
CCT	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K	2700K, 3000K, 3500K, 4000K
CRI	90+	90+	90+
Circuits	Single	Single	Single
Emergency	Remote	Remote	Remote
Dimming	0-10V Dimming @ 1% and 0.1% DALI Dimming @ 1% and 0.1% DSI/switchDim, PoE	0-10V Dimming @ 1% and 0.1% DALI Dimming @ 1% and 0.1% DSI/switchDim, PoE	0-10V Dimming @ 1% and 0.1% PoE
Efficacy	108 LPW for direct only, 120 LPW for the direct-indirect	91 LPW for direct only, 119 LPW for the direct-indirect	98 LPW for direct only, 103 LPW for the direct-indirect
Distribution	Direct 100%, Direct 54%/Indirect 46%	Direct 48%/ Indirect 52%	6 distribution options
Acoustic Panel	THICKNESS: 12mm (0.5”), NRC RATING: 0.80	THICKNESS: 12mm (0.5”), NRC RATING: 0.80	THICKNESS: 12mm (0.5”), NRC RATING: 0.80
Sensors	Consult factory regarding sensor compatibility	Consult factory regarding sensor compatibility	Consult factory regarding sensor compatibility
Design	Mirko Rotondi (SWITCH BLADE) US Patent Pending	US Patent Pending	US Patent Pending



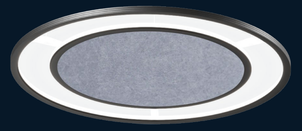
AP02 Citrus



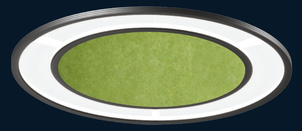
AP04 White



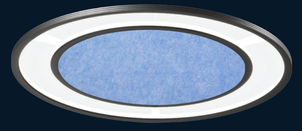
AP08 Red Coffee



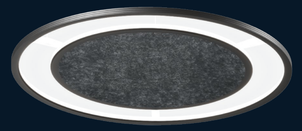
AP11 Light Gray



AP13 Apple Green



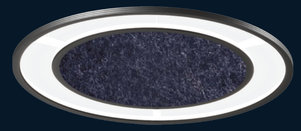
AP22 Blue



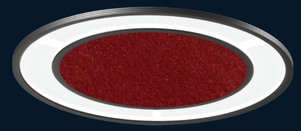
AP26 Sesame Gray



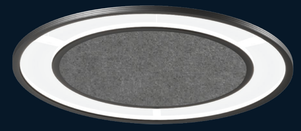
AP27 Black



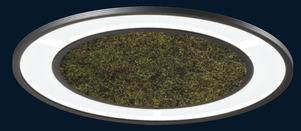
AP47 Navy Peony



AP60 Pure Red



AP73 Cloudburst



AP89 Douglas Fir



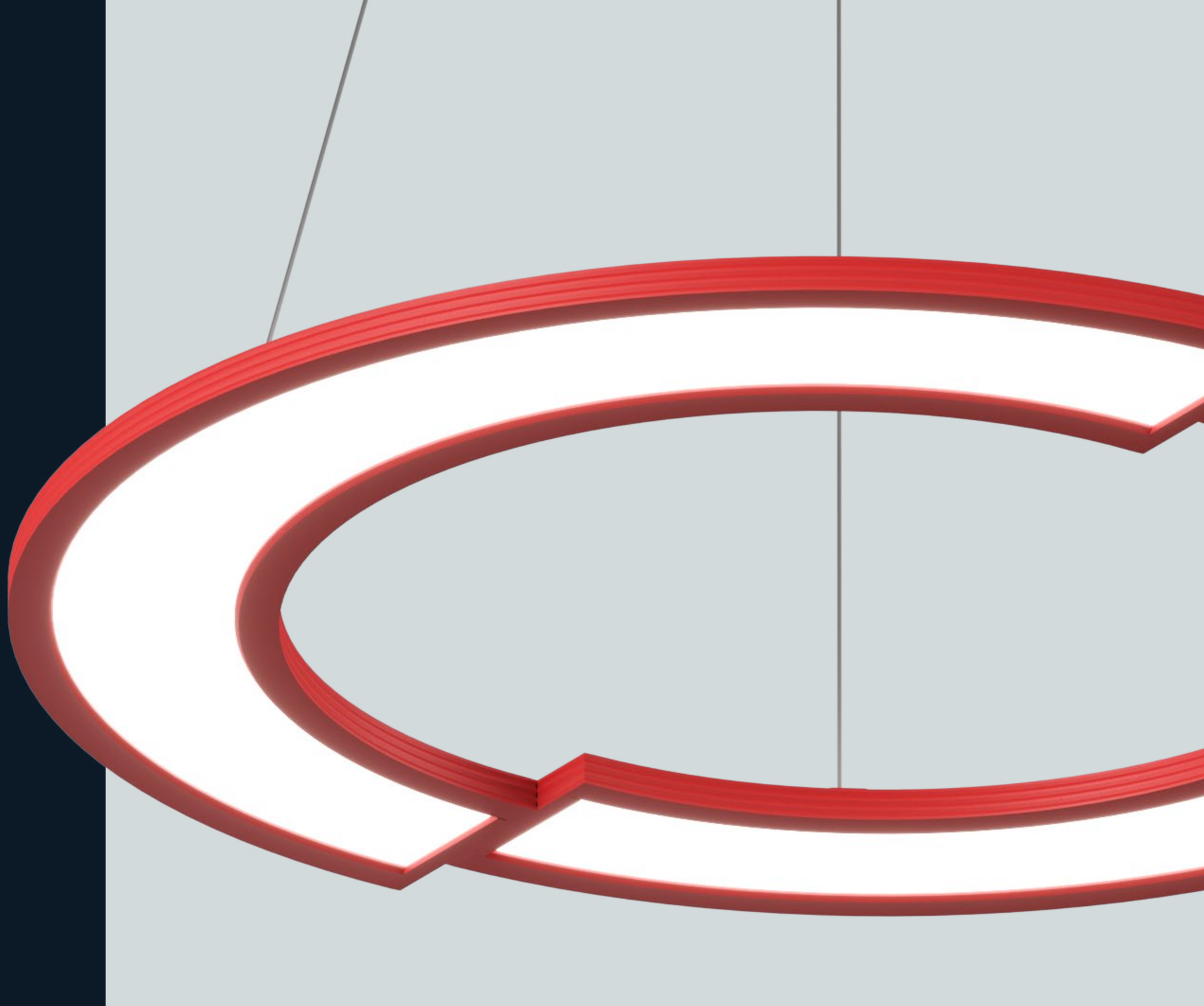
APW01 Oak

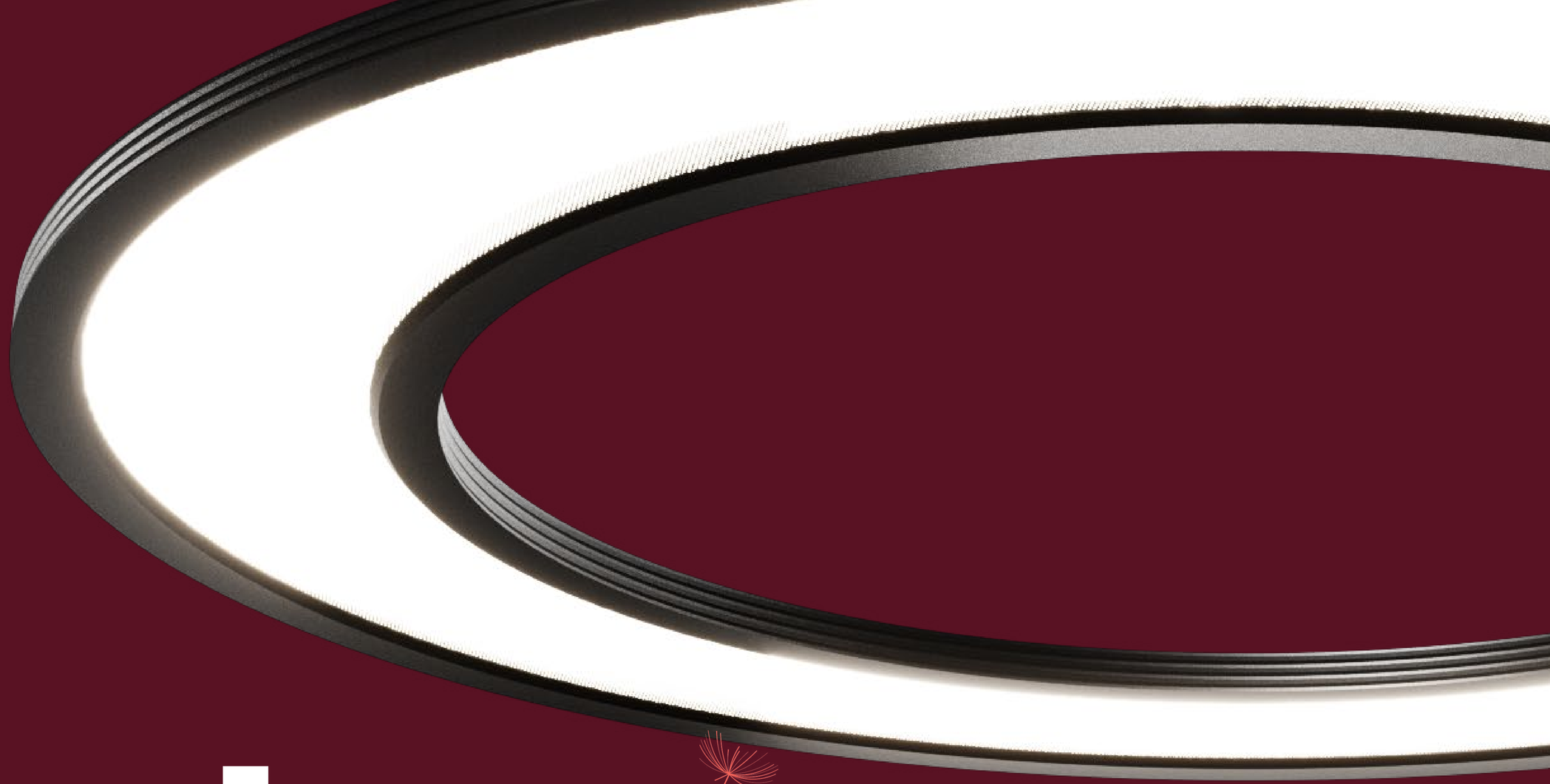
Custom options available by special order.

13 ACOUSTIC PANEL COLORS

FINISHES

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





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
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

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
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

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.

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