

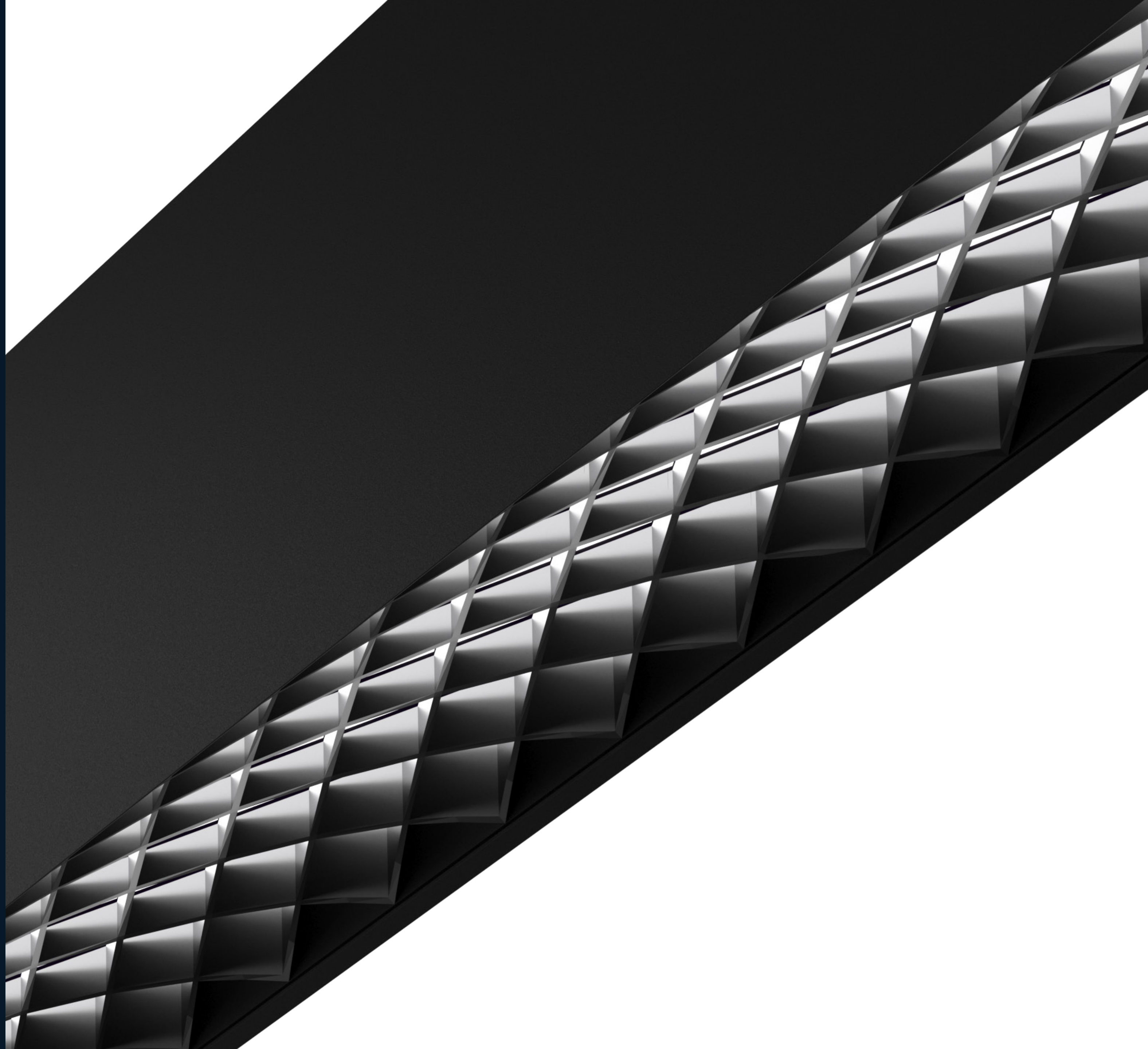


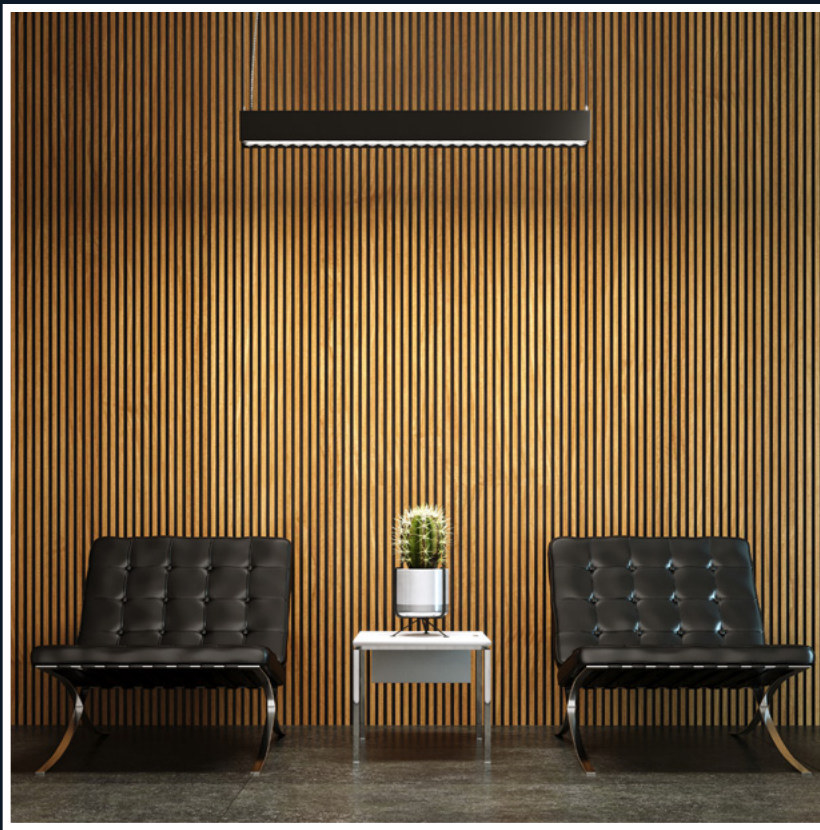
LE LOUVRE™

LE LOUVRE

INTRODUCTION

The LE LOUVRE series marks a refined evolution in linear lighting, delivering precise glare control of as low as UGR <9 for the pendant version. Our 2020 LIT Award-winning design features a unique, diagonal cross-hatched construction in a soft, concave shape, delivering superior visual comfort alongside a touch of panache rarely seen in linear lighting. Engineered for versatility, this luminaire offers up to 130 lumens per watt, with louver finishes ranging from performance-focused Frosted and glare-reducing Black to elegant Satin Chrome, Gold, and Champagne. Whether blending into a space with a monochromatic look or highlighting structure with high-contrast finishes, the series adapts to your vision. The additional options of seamless LE LOUVRE SYSTEMS for continuous runs or preconfigured LE LOUVRE QUAD for a customizable closed loop shape make this a versatile lighting system capable of anchoring the illumination needs of the space.





LINEAR SUSPENDED



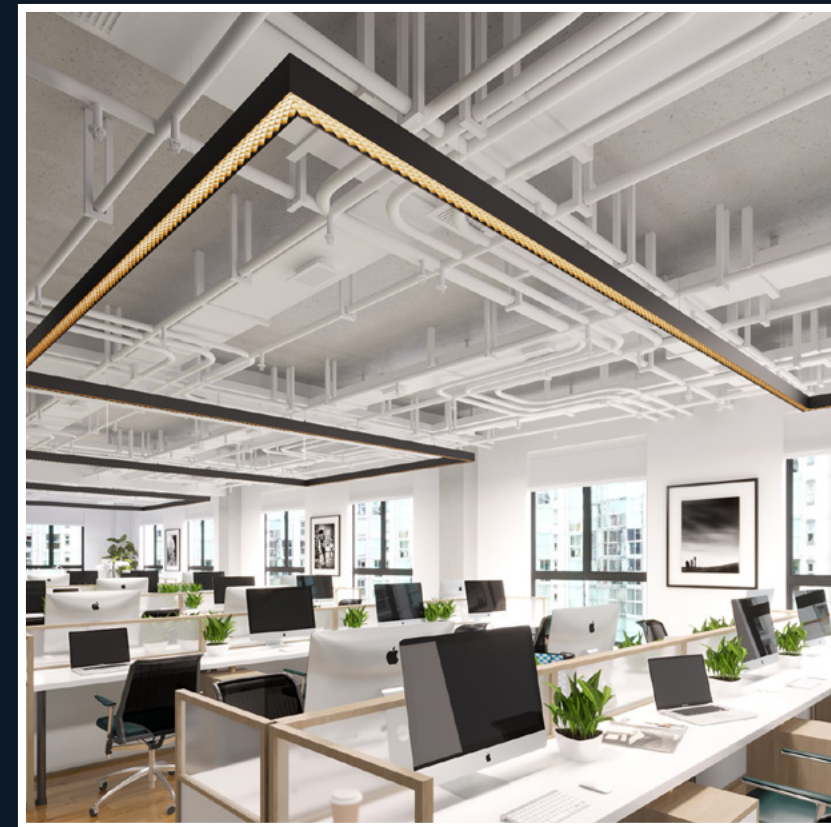
LINEAR SURFACE



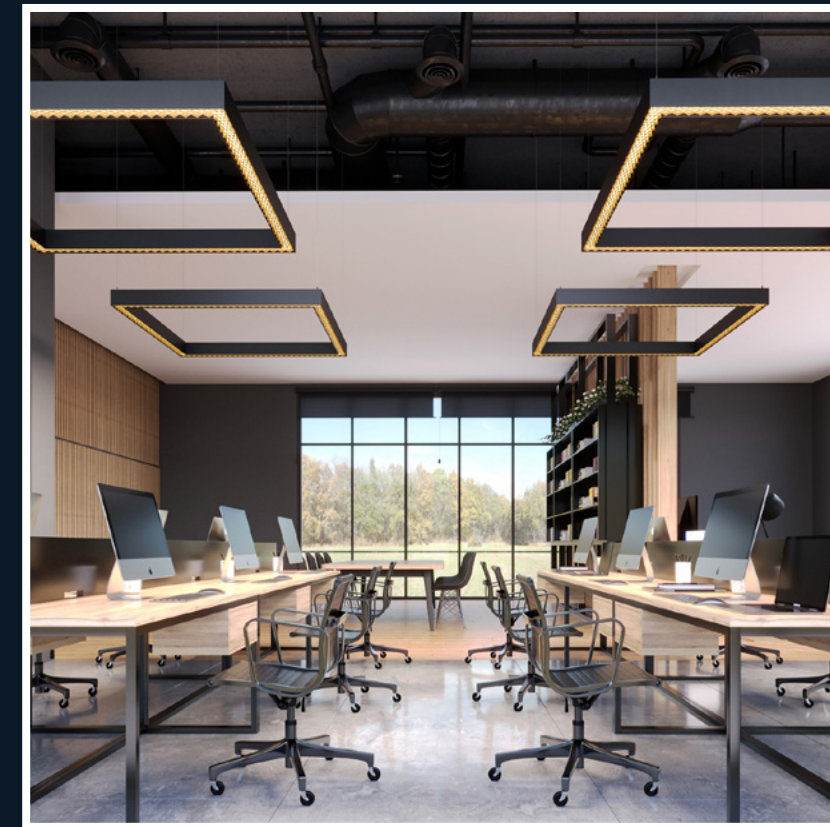
LINEAR WALL



LINEAR RECESSED



SYSTEMS SUSPENDED



QUAD SUSPENDED

FEATURES

DIAGONAL LOUVER SYSTEM

The unique diagonal cross-hatched louver structure, combined with a concave bottom surface contributes to a modern luminaire design with an iconic visual appeal. The louver design ensures a pleasing lighting effect on the space.

VISUAL COMFORT

An injection-molded louver provides precise optical control, limiting glare from the luminaire. Available in 5 louver colors: Black for the highest glare control, Frosted for higher reflectance and performance, and for an interior design enhancement and visual glow, satinized finishes including Satin Chrome, Satin Gold, and Satin Champagne. Beyond improving visual comfort through glare reduction, the diagonal louver's grid structure adds a dimension of aesthetic comfort.

LOW-GLARE LIGHTING SOLUTION

With a UGR <9 for the Black louver pendant version, this luminaire delivers an efficient low glare solution while maintaining high performance. The Frosted louver color option in particular is noted for being able to maintain an exceptional lumen efficacy of up to 147 LPW for indirect lighting.

FINISH COMBINATIONS

The luminaire body is available in 13 finishes which were selected based on their versatility to a variety of color schemes. Metallic sheens balance out functional forms with elegance; the wood finishes ground the space with a natural aesthetic. In combination with the louver and acoustic panel finishes, a truly tantalizing luminaire can be configured.

BESPOKE

Build a luminaire specifically suited to the space requirements. Designers have multiple options for each component at their disposal, including lumen package, color attributes, light distribution, open-standard control systems, and mounting systems.

LOUVER FINISHES

BLACK

FROSTED

SATIN CHROME

SATIN GOLD

SATIN CHAMPAGNE

UGR Glare Rating:
lm/ft (Direct + Indirect) up to:
LPW up to:

<9
2100
100

<19
2800
141

<13
2400
114

<13
2400
113

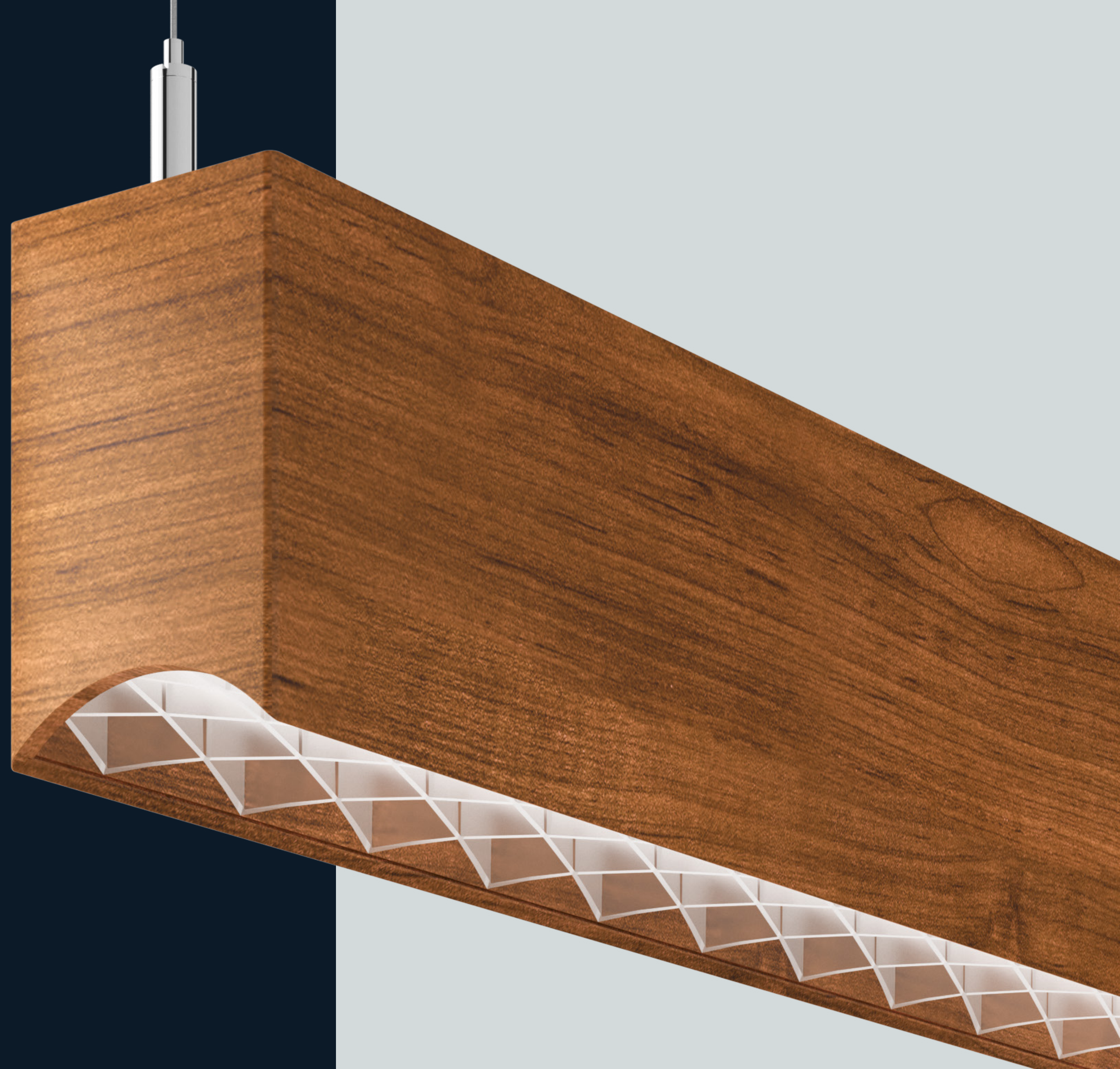
<13
2400
114

LOUVER
FINISHES



FINISHES

- Black Metallic Textured
- Bronze Metallic Textured
- Midnight Blue Metallic Textured
- Charcoal Metallic Textured
- Red Metallic Textured
- Gold Metallic Textured
- Champagne Metallic
- Copper Metallic
- Silver Metallic Textured
- White Textured
- Wood Grain - Light Cherry
- Wood Grain - Dark Walnut
- Wood Grain - White Oak

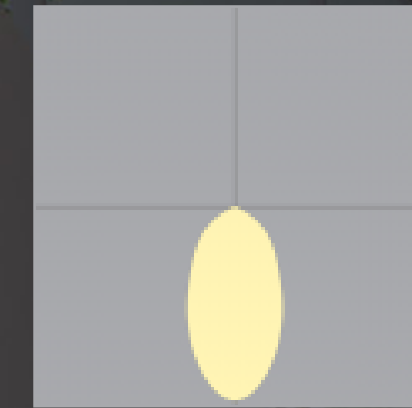


SUSPENDED

Behind the innovative louver system lies either an Asymmetric or Comfort lens that can deliver a soft uniform light spread. For indirect lighting needs, a 120° batwing lens ensures an even cast across the ceiling while enhancing the overall ambient light with minimal glare.

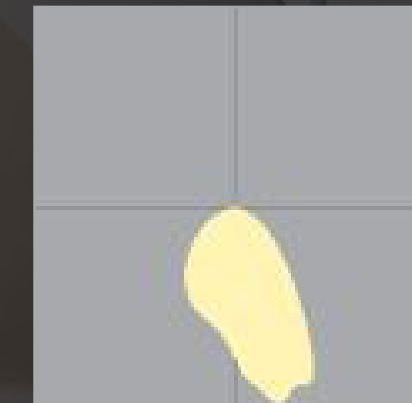
SUSPENDED OPTICS

Direct



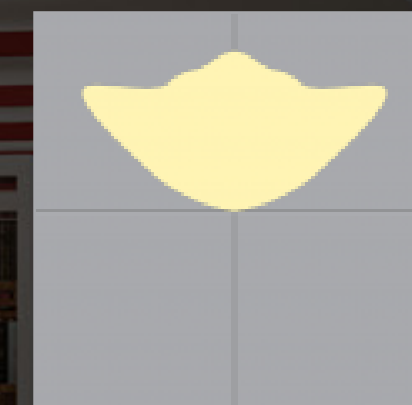
Comfort Lens:

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



Asymmetric:

The light skews toward specific tasks, like illuminating walls, thereby enhancing the ambient lighting.



Batwing:

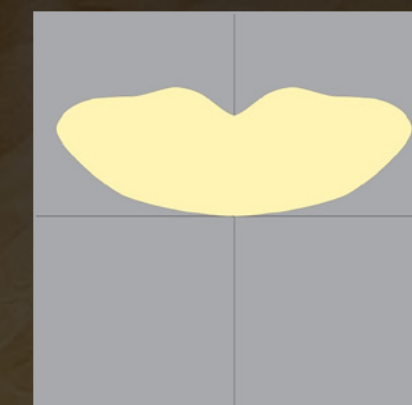
A 120° beam provides even distribution on the ceiling and contributes to the ambient light with minimal glare.

Indirect



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.



LE LOUVRE Linear Suspended

The cross-hatched louvre system tempers the starkness of the commonly exposed lens while adding an enchanting decorative feature, as well as offering greater visual comfort by minimizing glare.



LE LOUVRE Systems Suspended

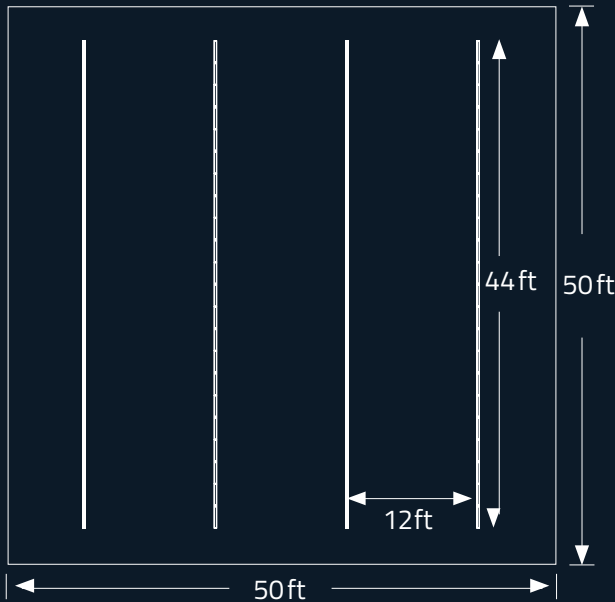
An elegant geometry of floating light that frames and defines, Le Louvre Systems Suspended offers a structured lighting narrative that navigates lines and corners with architectural purpose.

Embrace the familiarity of this geometric form, evoking a sense of grounded sophistication while infusing spaces with structured elegance.



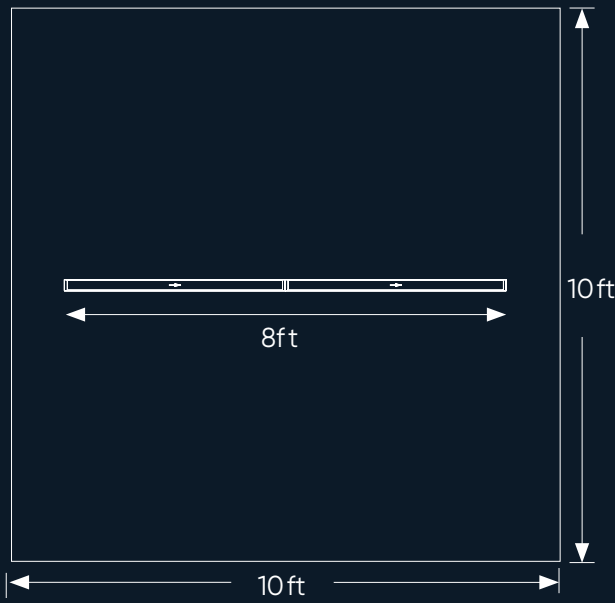
SUSPENDED

USE CASE
SCENARIOS



OPEN PLAN OFFICE SPACE
Frosted Louver with 200lm/ft direct and 500lm/ft uplight - 44 ft length

Room Size:	50' x 50'	Workplane 30" Above Finished Floor (Fc Level):	46
Ceiling Height:	10'	Ceiling Uniformity Max To Min:	6:1
Luminaire Mounting Height:	8' 5"	UGR Average:	<12
Reflectances:	80/50/20	Watt sq/ft:	0.352
Light Loss Factor:	1.0		



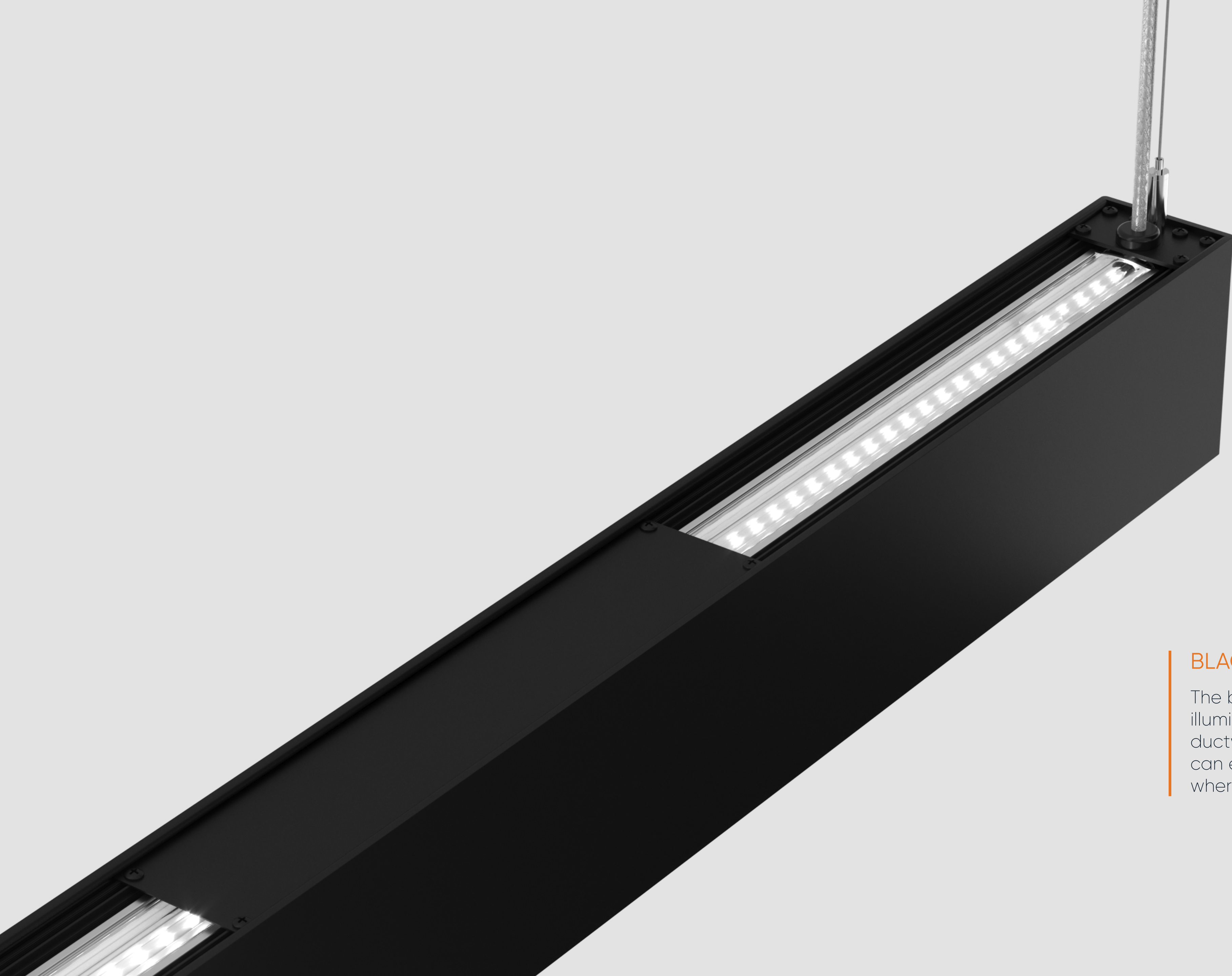
SINGLE OFFICE SPACE
Frosted Louver with 400lm/ft direct and 250lm/ft uplight - 8 ft length

Room Size:	10' x 10'	Workplane 30" Above Finished Floor (Fc Level):	36
Ceiling Height:	10'	Ceiling Uniformity Max To Min:	3:1
Luminaire Mounting Height:	8' 5"	Ugr Average:	<12
Reflectances:	80/50/20	Watt sq/ft:	0.4
Light Loss Factor:	1.0		



CLASSROOM SPACE
Over Desk: Frosted Louver with 200lm/ft direct and 500lm/ft uplight - 32 ft length
White-Board: Frosted Louver with 400lm/ft direct - 12ft length

Room Size:	24' x 40'	Workplane 30" Above Finished Floor (Fc Level):	45
Ceiling Height:	10'	Average Illuminance On White-Board Wall:	37
Luminaire Mounting Height:	8' 5"	Ceiling Uniformity Max To Min:	7:1
Reflectances:	80/50/20	Ugr Average:	<13
Light Loss Factor:	1.0	Watt sq/ft:	0.375



BLACKOUT PLATE

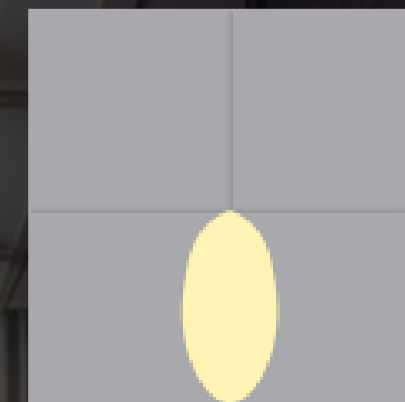
The blackout plate blocks light from illuminating unflattering ceiling areas such as ductwork. It comes in one-foot sections and can easily slide along the top of the fixture to where it is needed.



SURFACE

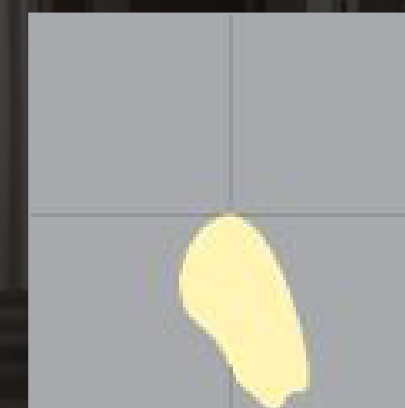
LE LOUVRE Surface combines practicality with elegance, offering high-performance, low-glare illumination tailored for the demands of the modern workspace. Its highly efficient output, delivering up to 147 lumens per watt for indirect lighting, ensures an optimally lit environment that maximizes productivity and visual comfort.

SURFACE OPTICS



Comfort Lens:

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



Asymmetric:

The light skews toward specific tasks, like illuminating walls, thereby enhancing the ambient lighting.



LE LOUVRE Linear Surface

Opt for the Asymmetric lens to angle light away from reflective surfaces like glass or towards walls to enhance ambient lighting with a reflective boost.

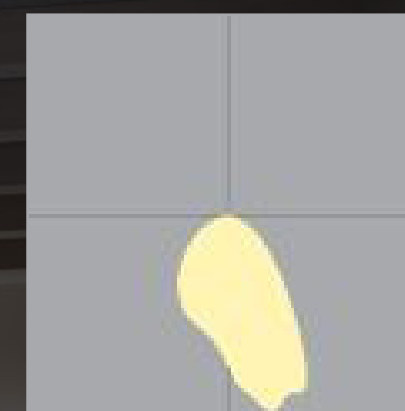
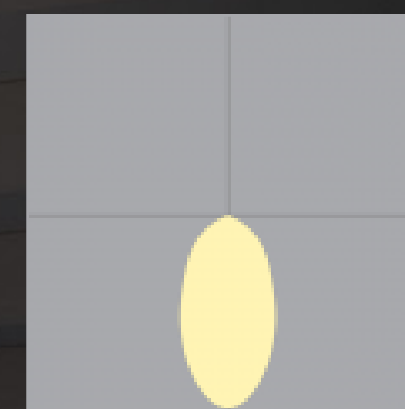
WALL

Bring the signature charm of LE LOUVRE Linear to a more intimate scale with the wall mount option, ideal for accent lighting or where ceiling installations are impractical.

WALL OPTICS



Direct



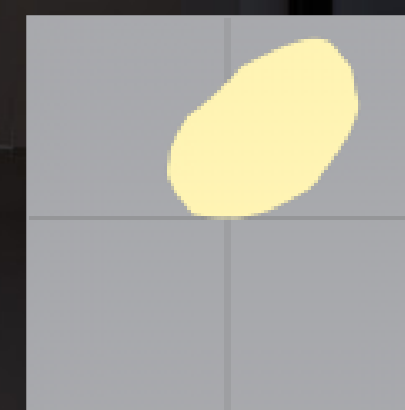
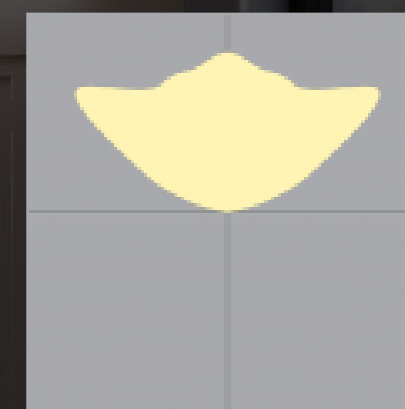
Comfort Lens:

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

Asymmetric:

The light skews toward specific tasks, like illuminating walls, thereby enhancing the ambient lighting.

Indirect



Opal Lens:

The opal acrylic lens minimizes glare and enhances visual comfort while uniformly dispersing light.

Asymmetric:

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

exhibition



LE LOUVRE Linear Wall

The distinctive geometric louver profile of the LE LOUVRE Wall infuses a sophisticated elegance into contemporary spaces, serving as an understated yet timeless design statement. Exuding a subtle radiance, the FIXTURE wallwashes with soft, low-glare light, enhancing architectural details without overshadowing the overall ambiance, ensuring lasting impressions.

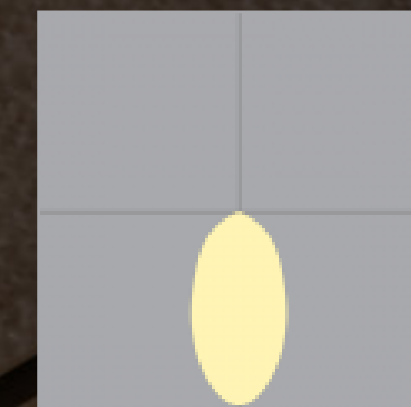


RECESSED

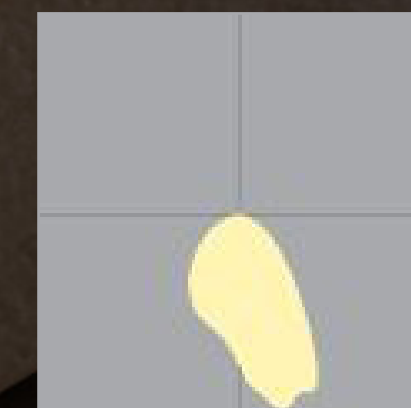
The signature concave louver sculpting brings an alluring sense of grace to modern environments, with the recessed variant offering a discreet yet lasting upscale touch.

R E C E S S E D

RECESSED OPTICS



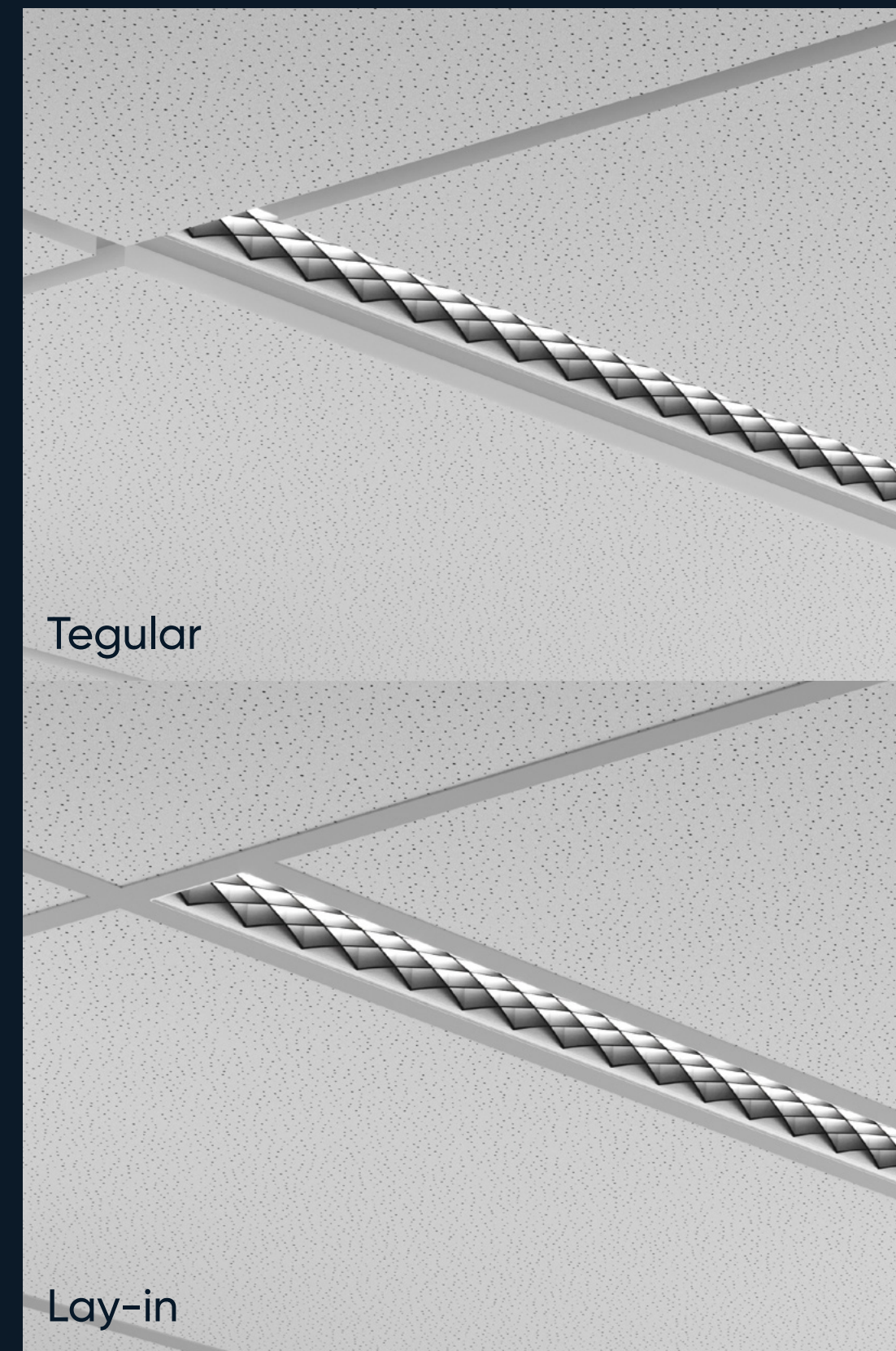
Comfort Lens:
The frosted acrylic lens is engineered to provide better light control and softer distribution.



Asymmetric:
The light skews toward specific tasks, like illuminating walls, thereby enhancing the ambient lighting.



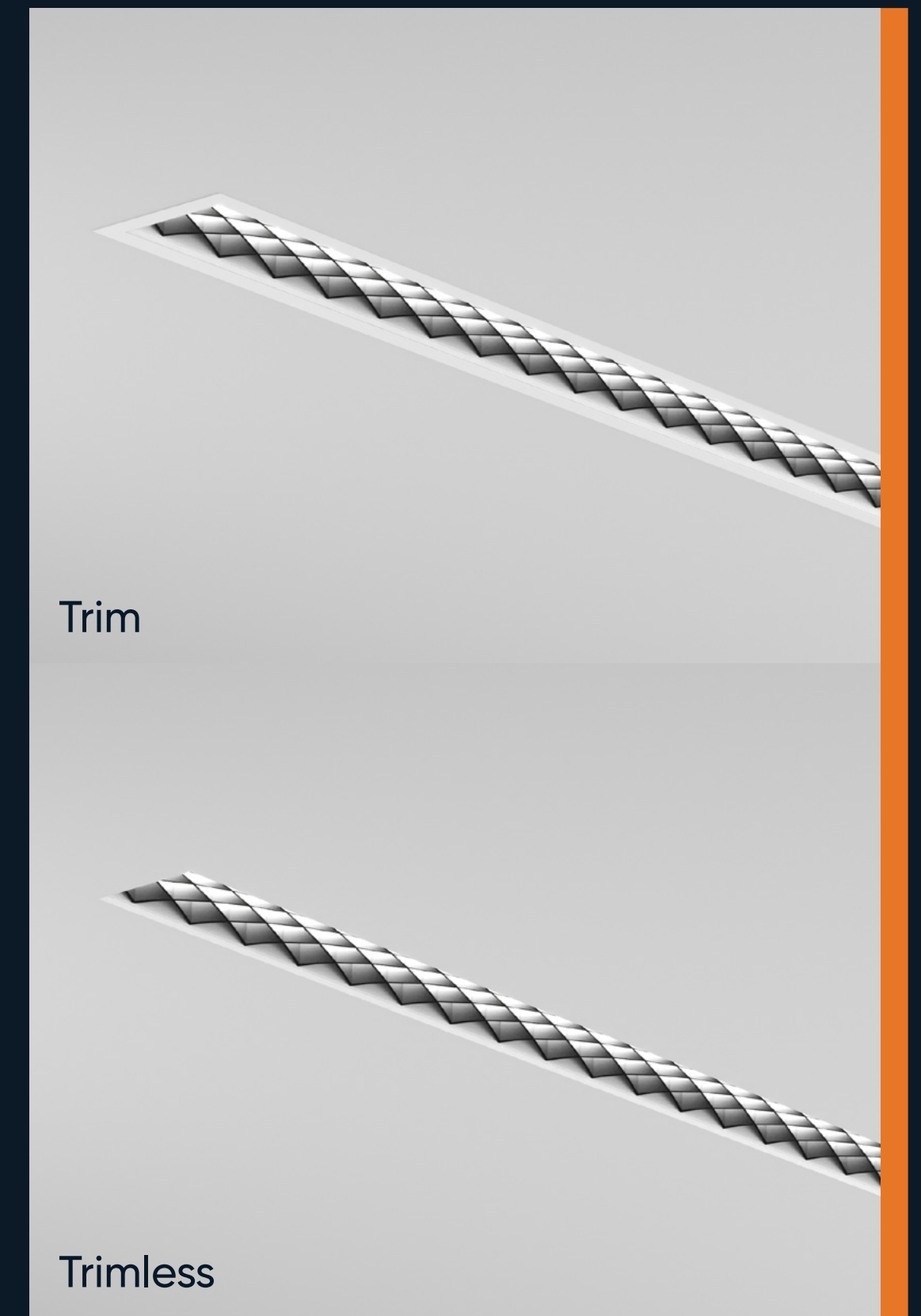
CEILING TYPES & TRIMS



1

GRID CEILING

Comes with combo kit which includes installation to T-bar and through tile mount.



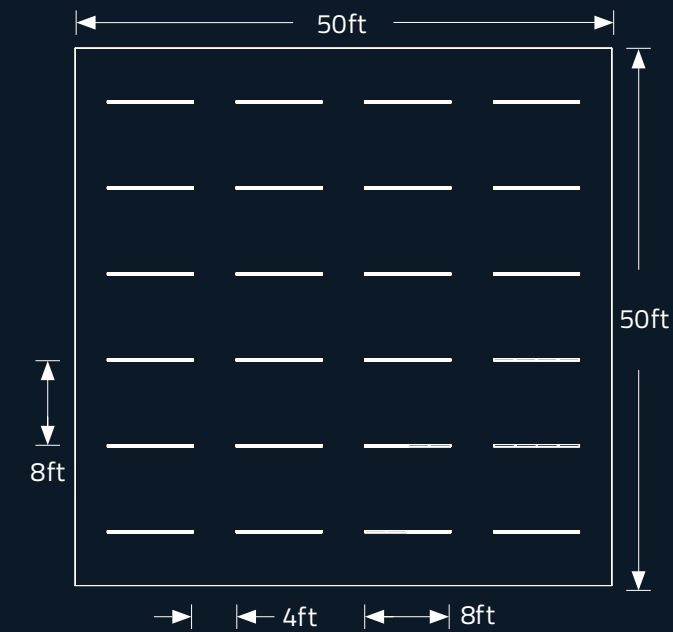
2

HARD CEILING

Suitable for installation in both drywall and concrete ceilings.

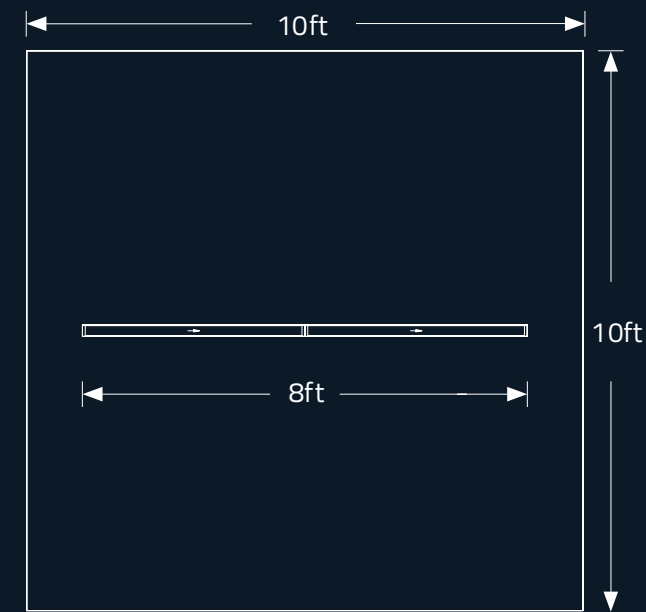
RECESSED

USE CASE
SCENARIOS



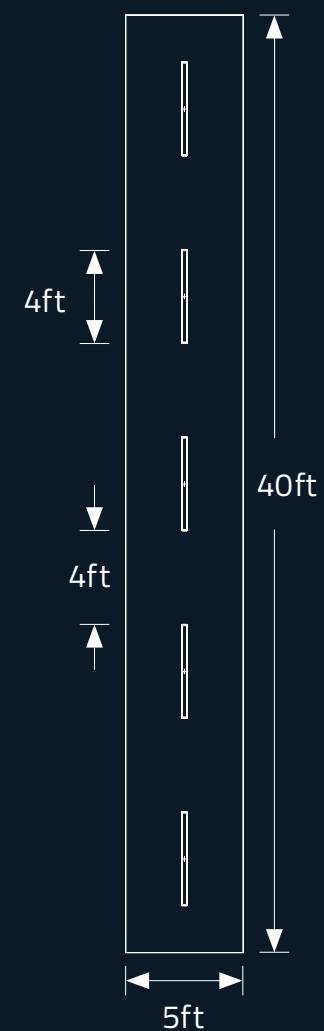
OPEN PLAN OFFICE SPACE
Satin Chrome Louver with 500lm/ft

Room Size:	50' x 50'	Workplane 30" Above Finished Floor (Fc Level):	53
Ceiling Height:	9'	Ugr Average:	<17
Reflectances:	80/50/20	Watt Sq/Ft:	0.54
Light Loss Factor:	1.0		



SINGLE OFFICE SPACE
Satin Chrome Louver with 500lm/ft

Room Size:	10' x 10'	Workplane 30" Above Finished Floor (Fc Level):	34
Ceiling Height:	9'	Ugr Average:	<12
Reflectances:	80/50/20	Watt Sq/Ft:	0.562
Light Loss Factor:	1.0		



CORRIDOR
Satin Chrome Louver with 400lm/ft

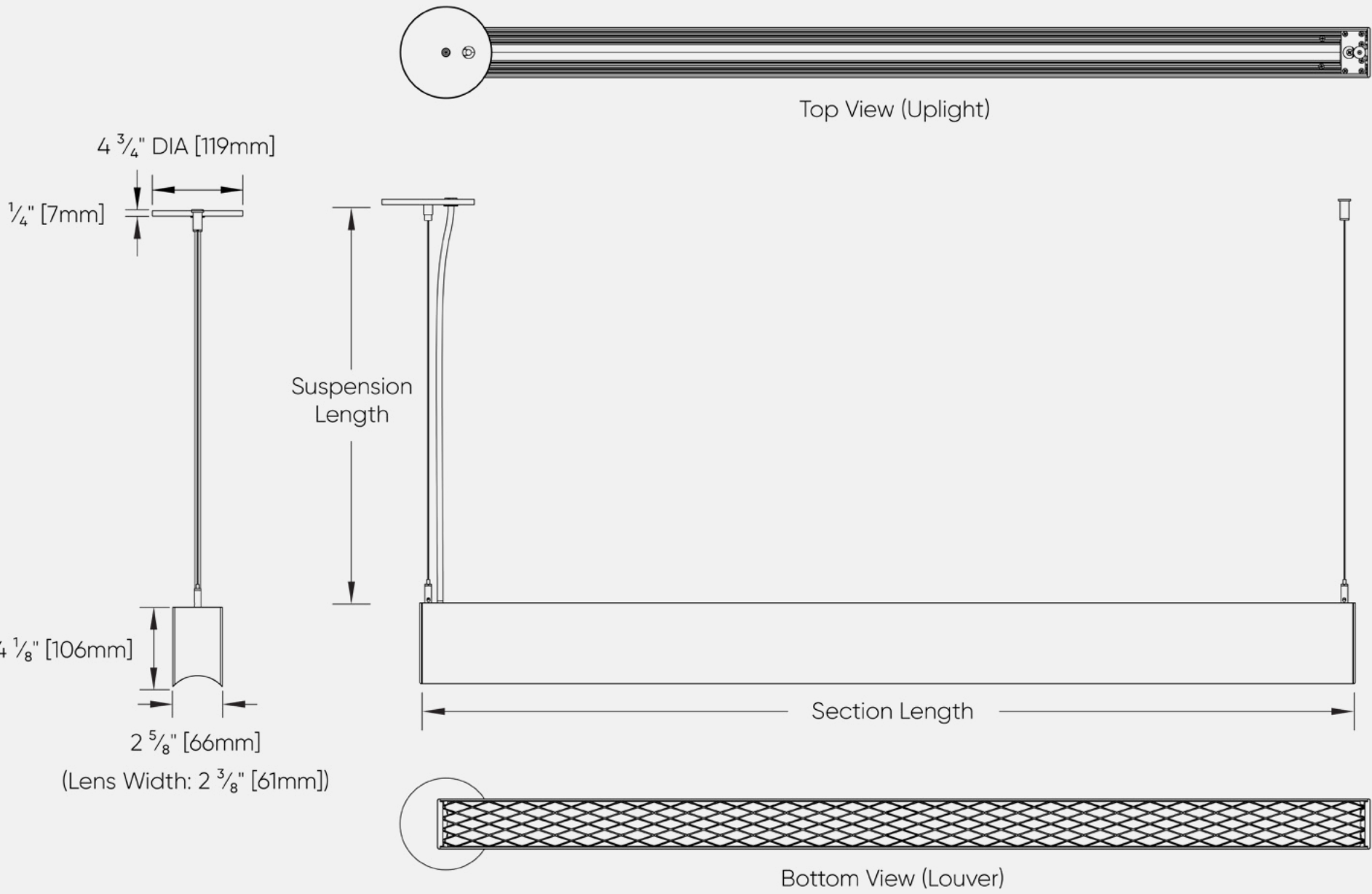
Room size:	40'x5'	Finished floor (fc level):	20
Ceiling height:	9'	Watt sq/ft:	0.514
Reflectances:	80/50/20		
Light loss factor:	1.0		

DIMENSIONS

The LE LOUVRE Suspended can be configured as a continuous run up to 50' on a single circuit. Start with a minimum length of 4' and add increments of 2'. For 6" increments, consult factory.

Section Lengths

4 FT (1220mm)	
6 FT (1829mm)	
8 FT (2438mm)	
10 FT (3048mm)	
12 FT (3658mm)	



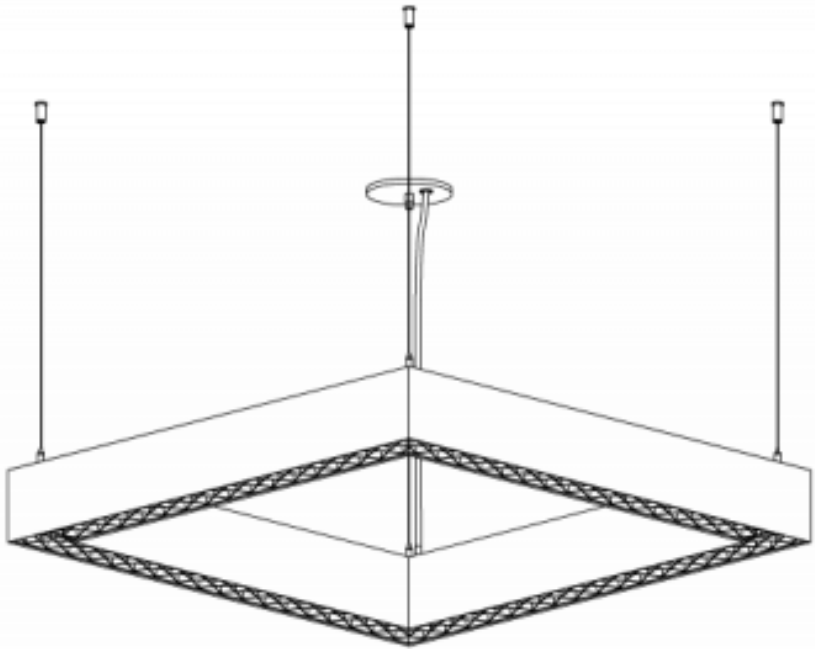
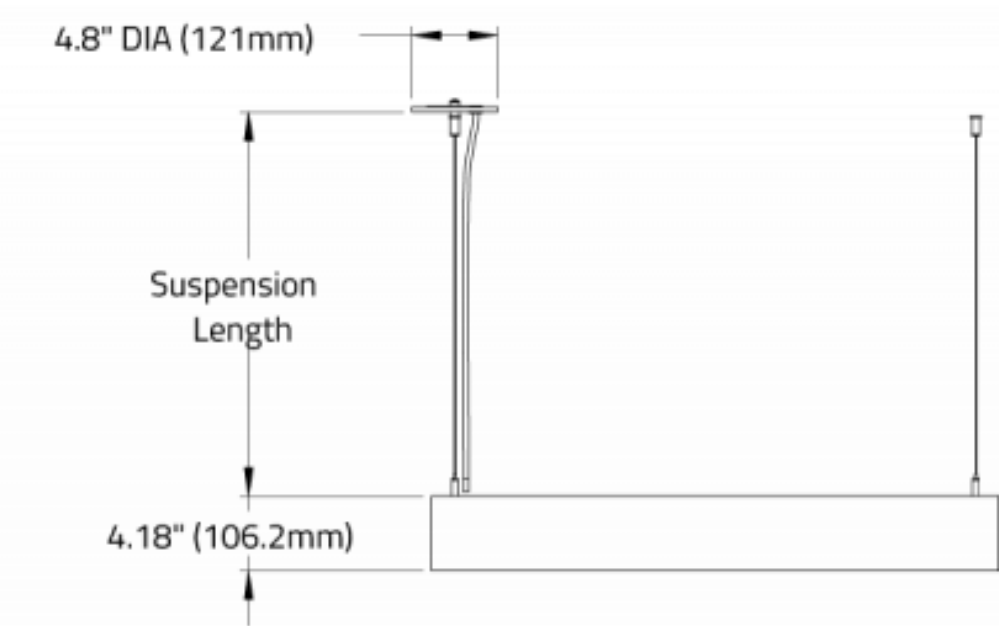


LE LOUVRE Quad

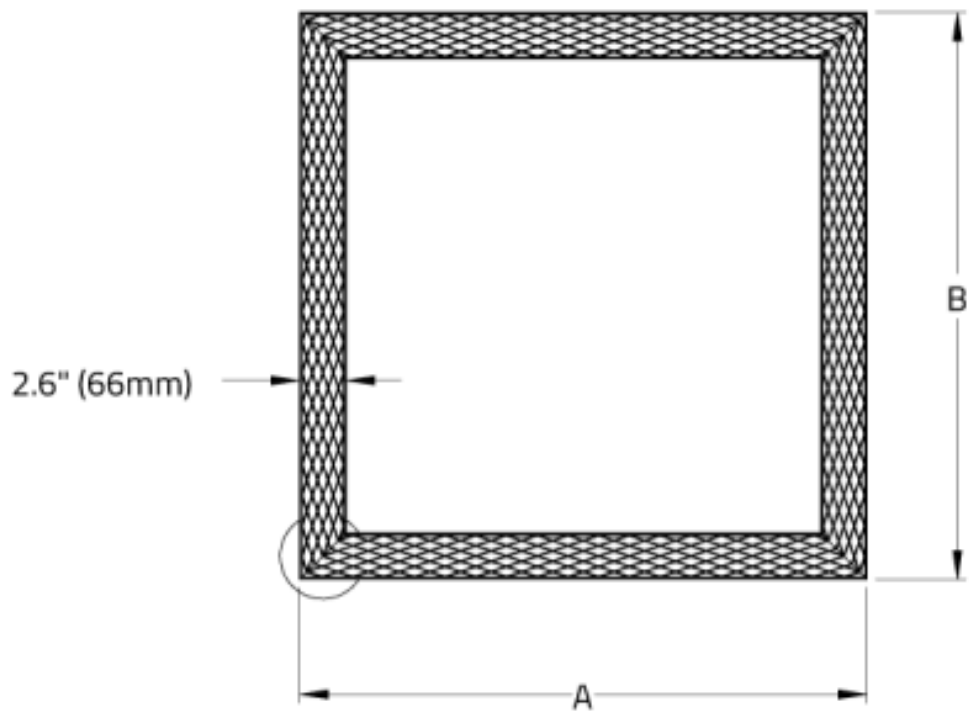
Leveraging the structural symmetry of rectilinear forms, LE LOUVRE Quad injects harmony and precise articulation into interiors, expertly tailored for configuring distinct matrix patterns with elevated visual appeal.

DIMENSIONS

The LE LOUVRE Quad can be configured as a square in two sizes, 32" and 56", or as a rectangle with the dimensions of 32" x 56", with the option to configure larger dimensions using the LE LOUVRE Systems. Please consult with the factory about your requirements.



ISOMETRIC BOTTOM VIEW



Luminaire	A	B
LELQ1P01/LELQ2P01	31.76" (806.6mm)	31.76" (806.6mm)
LELQ1P02/LELQ2P02	55.76" (1416.2mm)	55.76" (1416.2mm)
LELQ1P05/LELQ2P05	31.76" (806.6mm)	55.76" (1416.2mm)





TECHNICAL SPECIFICATIONS

Lumen packages:

Suspended 100 LM/FT to 1200 LM/FT, 1600 LM/FT for indirect only

Recessed 100 LM/FT to 1200 LM/FT

Surface 100 LM/FT to 1200 LM/FT

Wall 100 LM/FT to 1200 LM/FT, 1600 LM/FT for indirect only

CCT:

2700K, 3000K, 3500K, 4000K, BIOS

CRI:

80+ or 90+

Circuits:

Single & Dual (Suspended and Wall Only)

Emergency:

Integral

Emergency Generator 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:

Compatible with Cooper WaveLinx PRO,

Legrand Wattstopper/Wattstopper PLUS, and Lutron.

Consult Factory.

Design:

US Pat. No. D959,043

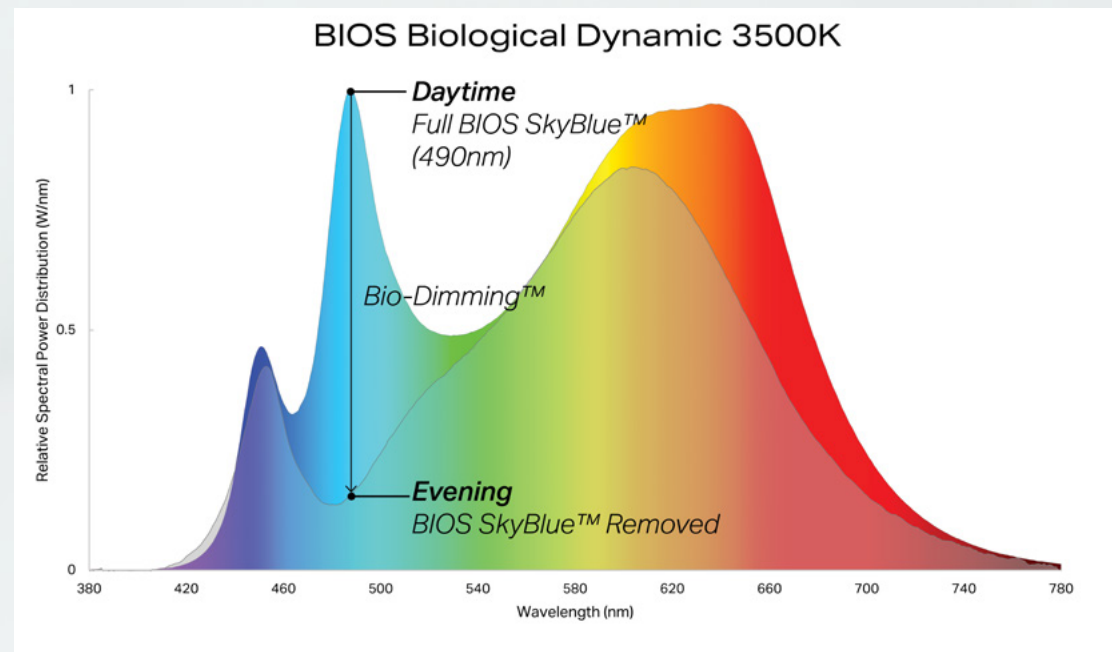
Boost Health and Wellness with Circadian Lighting

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.



Introducing LE LOUVRE Linear with BIOS SkyBlue™ Integration

BIOS SkyBlue represents a groundbreaking advancement in lighting technology which can be integrated with the LE LOUVRE linear 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.



An abstract geometric pattern of white cubes or rectangular blocks arranged in a grid-like structure, receding into the distance. The pattern is set against a dark, almost black, background. The lighting creates strong highlights and shadows, giving the cubes a three-dimensional appearance. The pattern is positioned on the left side of the image, extending towards the center.

Declare.®

A small, stylized red dandelion seed head with its seeds blowing away, located in the upper right corner of the image.



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	% 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

BET-0001

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/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	% 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

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.

betacalco.com

sales@betacalco.com

