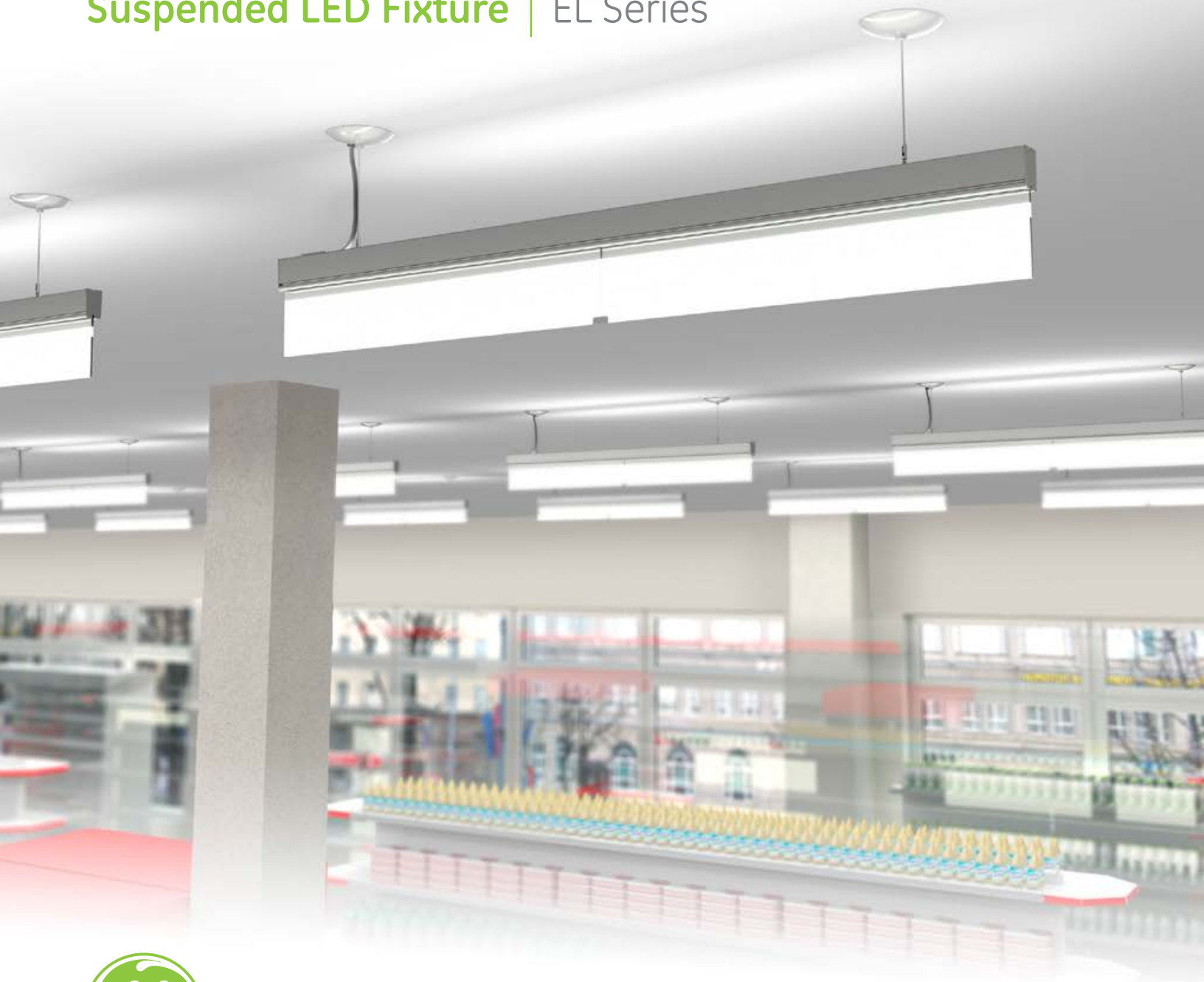


GE
Lighting

Lumination™ LED Luminaires

Suspended LED Fixture | EL Series



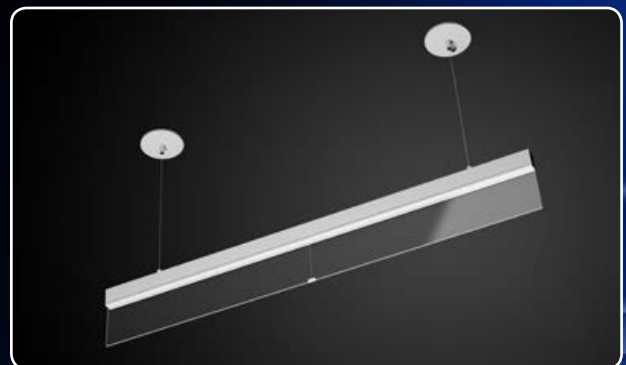
imagination at work

Maximized Performance

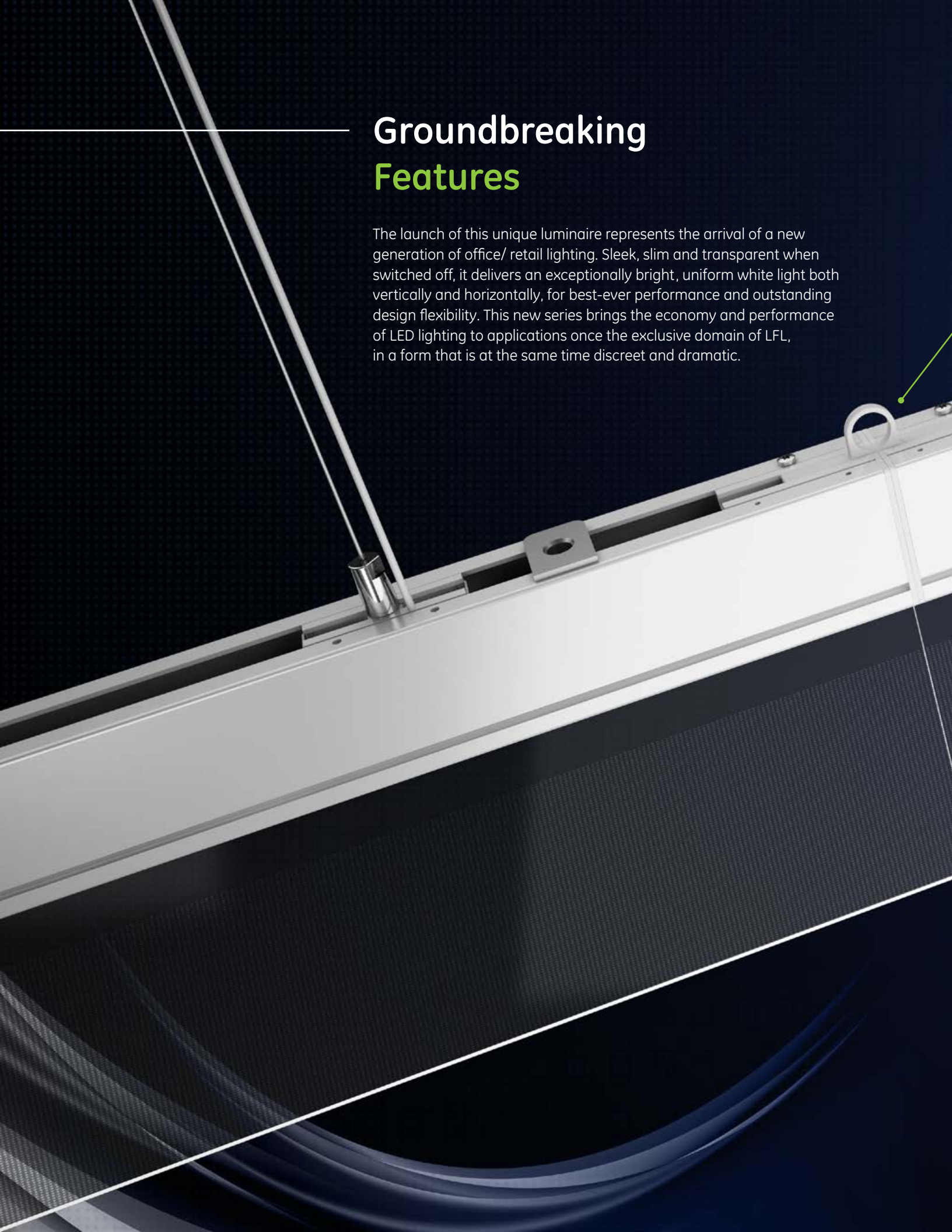
It is perfect for applications that include conference rooms, open offices, lobbies, retail settings, anywhere you want to make a statement. Imagine what you can do with this clearly unique fixture. Its immaculate design aesthetic is unlike anything you've seen before.

Minimalist Design

There's never been a fixture quite like it; the **Lumination™ Suspended LED Luminaire** marks the beginning of a new era in interior lighting. Minimalist design creates an exceptionally thin profile that appears to float across your ceiling landscape. When turned on, it produces a perfectly even glow, and while off, it is nearly transparent with LEDs hidden inside the frame. The effect is dramatic and opens up a new world of striking design possibilities.

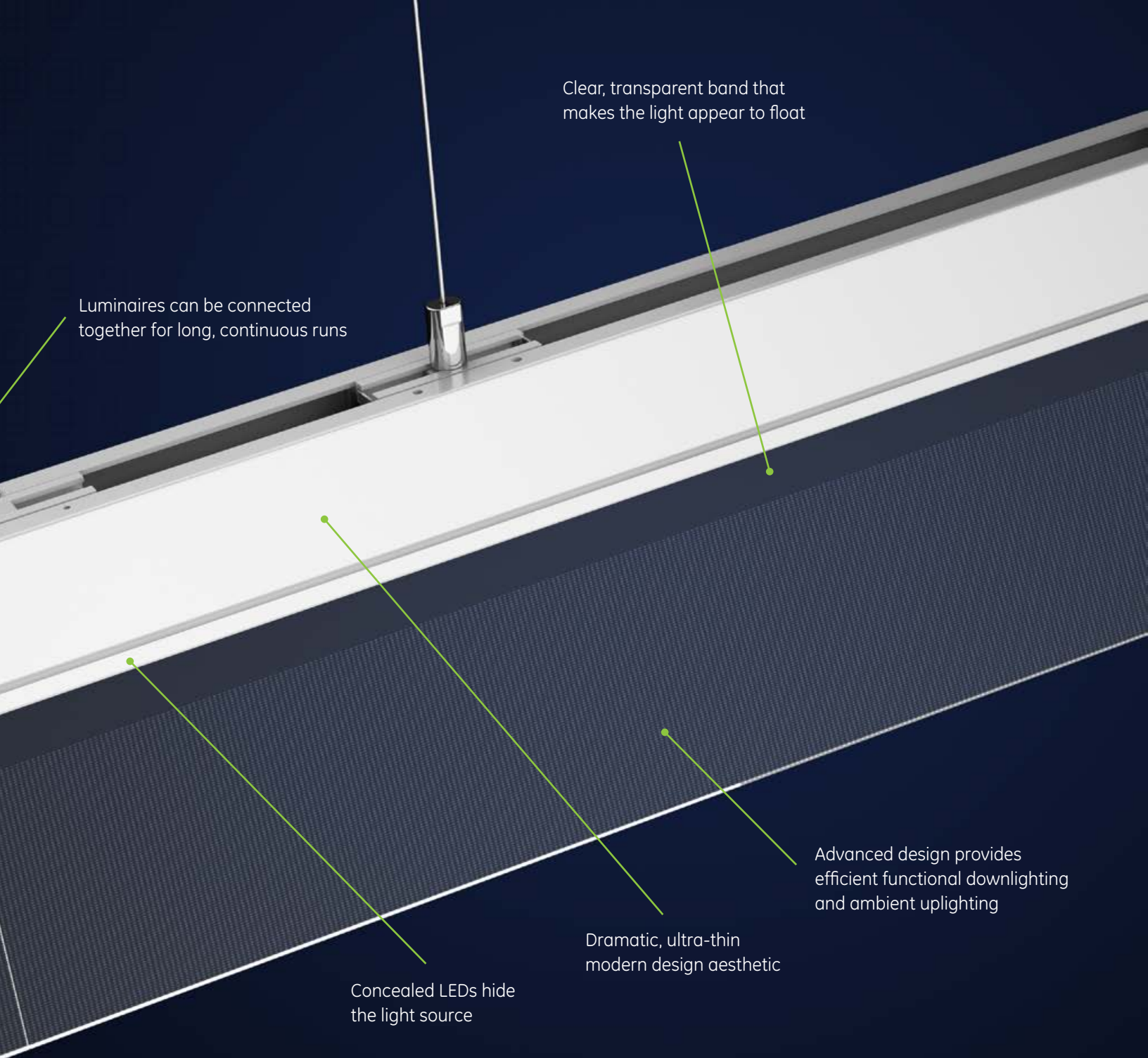






Groundbreaking Features

The launch of this unique luminaire represents the arrival of a new generation of office/ retail lighting. Sleek, slim and transparent when switched off, it delivers an exceptionally bright, uniform white light both vertically and horizontally, for best-ever performance and outstanding design flexibility. This new series brings the economy and performance of LED lighting to applications once the exclusive domain of LFL, in a form that is at the same time discreet and dramatic.



Clear, transparent band that makes the light appear to float

Luminaires can be connected together for long, continuous runs

Concealed LEDs hide the light source

Dramatic, ultra-thin modern design aesthetic

Advanced design provides efficient functional downlighting and ambient uplighting

Features & Benefits

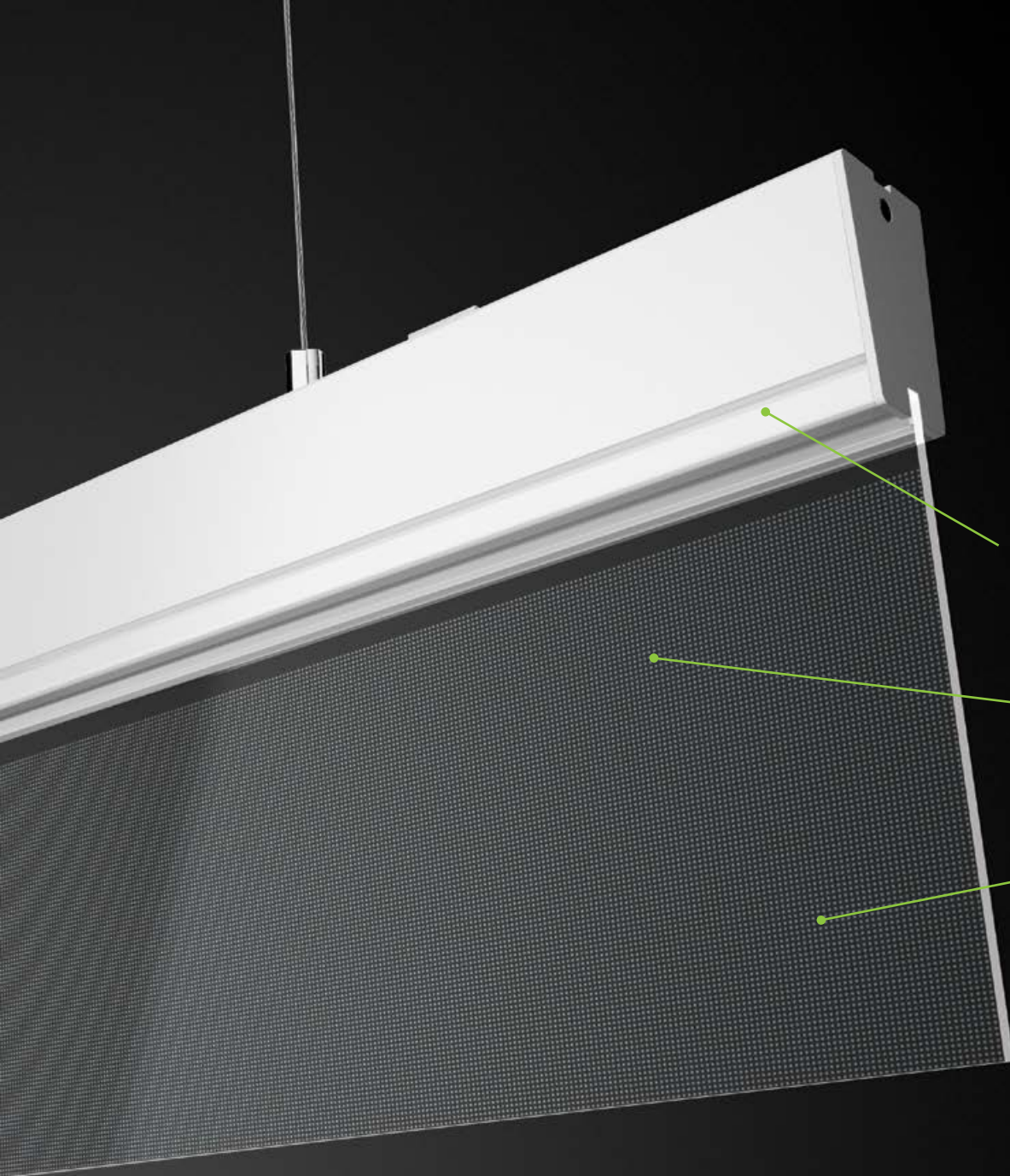
- Intrinsx™ Optical Technology
- Optics achieve high vertical illuminance
- Universal 120-277VAC input and integrated dimmable capability (0-10V & DALI)
- Fixtures can be mechanically connected continuously in series
- 5 year limited warranty
- Multiple mounting methods: Cable suspended with remote driver or surface mount driver (UL/CE) and Whitecroft iTrack compatible (CE)

Applications

- Retail
- Reception areas
- Conference rooms

LED Technology

- Long rated life: (50,000 hours L85)
- Up to 92 lumens per watt



Robust design and construction

Produces highly efficient, aesthetically pleasing diffused light with minimal glare.

GE *Intrinsx*[™] technology is embedded directly into the light guide, optimizing optical efficiency.

Intrinsx[™] Inside

Combines high-powered LEDs with GE *Intrinsx*[™] technology to maximize the performance, control and efficiency of every LED in the ultra thin and transparent fixture.



Micro-optics unique light distribution patterns maximize application efficiency



A Product of **Ecomagination**

Designed with environmental responsibility in mind, the GE Lumination LED Suspended Luminaire meets stringent standards for efficiency and reduced impact. 50,000-hour life eliminates bulb changes associated with fluorescent tubes, reducing landfill need. It contains no lead, mercury or glass, making handling and disposal less of a concern, while using less energy than standard fluorescent systems and the ultra-light aluminum frame is 100% recyclable.

a product of
ecomaginationSM

Lumination™ LED Luminaires

EL Series Suspended LED Fixture



Product Description:

The Lumination EL Series Linear Suspended Luminaire with Intrinsx™ technology is a linear, commercial pendant or track lighting fixture utilizing an advanced LED optical system to achieve excellent performance. Intrinsx™ technology allows for a nearly transparent luminaire when off and excellent uniformity and efficiency when on. The unique design incorporates a clear transition zone between the frame and light emitting portion of the fixture, making the illusion of the light floating in mid-air. The ultra-thin profile and lumen maintenance of >80% of initial lumens at 50,000 hours of operation allows for ease of installation and lower maintenance costs over time. It is suitable for indoor general lighting.

Performance Summary:

Utilizes GE Intrinsx™ technology

Delivered Light Output: 6200-6900 Lm (4'), 9300-10,200 Lm (6')

System Input Power: 71W (4'), 104W (6')

Efficacy: 90 LPW (4', 4000K), 92 LPW (6', 4000K)

Input Voltage: 120-277V

Standard Dimming Control: 0-10V & DALI

Dimming Compatibility: TBD

CCT: 2700K, 3000K, 3500K, 4000K

Typical CRI: 82, Min CRI: 80

Color Consistency: 4-Step MacAdam Ellipse

Lifetime Rating: L85 @ 50,000 hours

Input Frequency: 50/60Hz

Power Factor: >=0.9

THD: < 20%

Fixture Dimensions: 48" (L) x 10.4" (H) x 2" (W) (1200x 265x 51mm);
72" (L) x 10.4" (H) x 2" (W) (1800x 265x 51mm)

Light Fixture Weight (Track Mount Fixture): 10.5 lbs (4.75kg) (4');
14.3 lbs (6.5kg) (6')

Light Fixture Weight (Suspension Cable Fixture): 5.9 lbs (2.7kg) (4');
9.9 lbs (4.5kg) (6')

Remote Driver Enclosure: 15" (L) x 5" (W) x 1.9" (H) (382 x 125 x 50 mm)
weight 4.9 lbs (2.2kg)

Surface Mount Driver Enclosure: 48" (L) x 2.16" (W) x 3.58" (H) (1217x 55 x 91 mm)

Mounting: Suspension Cables w/ Remote Driver Enclosure, Suspension
Cables w/ Surface Mount Driver Enclosure, Whitecroft iTrack Mount

Limited Warranty: 5 years

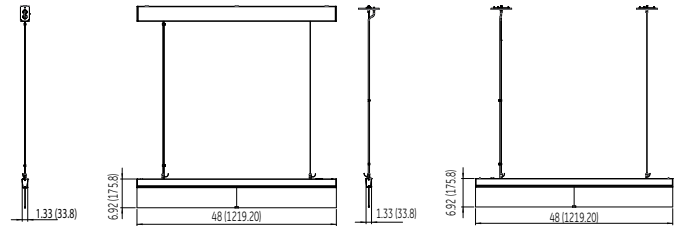
Files Available: LM79, LM80, IES, DWG & LDT

IK Code: IK3

IP Rating: IP30

Operating Conditions: -10° to 40°C

Product Dimensions:



Dimensions shown in inches (mm)

Listed by:



a product of
ecomagination™

Product Specification:

Optical System:

Delivers superior performance and greater control of how the light is distributed. GE's innovative system approach using Intrinsx™ technology. Intrinsx technology allows for a nearly transparent luminaire when off and excellent uniformity and efficiency when on. Intrinsx helps to create a space that feels brighter, cleaner and more modern.

- Precision formed optical assembly comprised of injection molded high specular reflectors, and a conformal transmissive lens
- High optical grade acrylic providing good efficiency and impact resistance
- LED light engine consists of a precision aluminum heat sink, a Metal Core Printed Circuit Board Assembly (MCPCB)
- Luminance Uniformity: 2:1 max to min
- No visible diodes

Construction:

- Durable, long lasting designer aluminum frame
- IP Rating: IP30
- Impact Resistance: IK=3

Optical System:

- Class 1, replaceable, high efficiency LED driver rated for 100,000 hours when used within operating conditions.
- Audible Noise – Per 29CFR 1910 sub part G: <24 dba (1 foot)
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing)
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics

Installation:

- Mounting Choices:
 - Suspension Cables w/ Remote Driver Enclosure (canopy kit included)
 - Suspension Cables w/ Surface Mount Driver Enclosure
 - Whitecroft iTrack Mount (adapter included)
- Luminaire Vibration Testing: Luminaire test to 0.5g with 100,000 cycles, 2 axis



GE Lighting • 1-888-MY-GE-LED (1-888-69-43-533) • www.gelighting.com

GE Lighting Solutions, LLC. is a subsidiary of the General Electric Company. The GE brand, logo, Lumination and Intrinsx are trademarks of the General Electric Company.
© 2014 GE Lighting. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.