COLOR**KINETICS**

Graze Elite

Take grazing higher

Product Guide

a Signify brand

Graze Elite

Advanced technologies inside,
a rugged aluminum body outside,
that's Graze Elite.

In this guide:

Grazing Higher

Graze Elite Powercore delivers precise mixed color and brilliant white light in a versatile, high-performance exterior luminaire.

On its own, Graze Elite can graze up to 100 feet and wash up to three stories—but it also provides exceptional color consistency when used with other Color Kinetics luminaires.

Advanced technologies inside, a rugged aluminum body outside—that's Graze Elite.

Graze Elite is a high-performance versatile exterior luminaire ideal for bright, even illumination of architectural details, façades, and surface textures.

The latest Color Kinetics IntelliHue technology enables precision color-matching with millions of saturated colors, including red, amber, and purple—as well as exceptional white light. Graze Elite builds on the proven quality and reliability that the Graze family is known for, while delivering twice the output of previous generations while consuming less power. Its streamlined, rugged design protects it from the elements, ensuring years of hands-off operation.

Graze Elite luminaires achieve exceptional performance thanks to advanced Color Kinetics technologies and innovative design:

Exceptional Performance

High performance with less energy. Graze Elite provides twice the light output of current Graze luminaires, thanks to FluxBoost technology, which optimizes power and quality. And because it uses reliable, carefully selected mid-power LEDs, Graze Elite uses significantly less power than previous Graze luminaires.

Versatile, high-quality output—color and white. The latest Color Kinetics IntelliHue technology enables the multi-channel Graze Elite (red, green, blue, amber, white) to output millions of saturated colors—as well as white light. Graze Elite outputs this wide gamut with exceptional accuracy (90+ CRI), including difficult-to-output colors, such as amber, purple, and magenta. And it outputs brilliant white light with high R9 values, exceeding the quality of white-only luminaires.

Color consistency, no matter what. Chromasync Pro makes it easy to achieve color consistency with Graze Elite no matter what the LED mix, output, beam angle, or luminaire family. Simply choose three DMX values and let Chromasync Pro do the rest, even when combining luminaires using three, four, five, or more channels.

Longer run lengths. The latest Powercore technology enables longer run lengths of up to 400 feet, simplifying installations and reducing costs.

Compatible with a wide range of controllers. Choose the controller that meets your needs, including iPlayer 4, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro—as well as third-party controllers.

Technologies that deliver clear benefits.

The result of decades of work, our unequalled portfolio of proprietary, quality-enhancing technologies enables you to get the best possible results with our solutions. These technologies raise quality by ensuring consistency, raising uniformity, providing precision control, and more.

Optibin
Our LED optimization technology begins the color consistency process by grouping (or binning) LEDs by flux as well as center wave-length. The result? Higher uniformity and consistency of hue and color temperature for all our luminaires.

Chromasync Pro
Our advanced output optimization tech-nology controls and boosts output while ensuring color consistency. When enabled, Chromasync ensures excellent color consis-tency between luminaires, without manually adjusting color points on each luminaire. And it ensures the same lumen output across all color temperatures.

IntelliHue Pro
Our advanced approach to color mixing produces high-quality white light, subtle pas-tels, and fully saturated colors in the same precisely controllable luminaire. All with unri-valed color accuracy across the entire range of color temperatures.

Powercore
Our patented approach to power output proves that simple is better. As well as faster, more efficient, and accurate. Powercore controls power output to luminaires directly from line voltage. It merges line voltage with control data and delivers both over a single standard cable.

FluxBoost
FluxBoost is a breakthrough technology that optimizes power and quality. With FluxBoost, an installation can use more of the power budget allocated to the project, enabling significantly higher output, creating more saturated colors, reducing waste and increas-ing efficiency.

Smart Design

Advanced optics. Exceptional performance starts with Graze Elite's custom-designed optical system, which uses unique optics for each LED, customized based on its color. Its mid-power LEDs are carefully chosen using Color Kinetics Optibin technology and individually tested to ensure maximum quality and consistency.

Reliability under punishing conditions. With its extruded aluminum body and tempered glass, Graze Elite's rugged design raises reliability and provides protection from corrosion. It meets the ASTM B117 and ANSI C136.31-2010 standards with a 2.5G vibration rating—with 5G available.

Beam angle options. Graze Elite is available in 6 standard beam angles including 9° x 9°, NEW 10° x 15°, 10° x 60°, 15° x 30°, 30° x 60°, 60° x 30°.

Fast, easy installation. Convenient push-and-click connectors let you easily and rapidly install leader cables and jumper cables. Constant torque locking hinges offer simple and consistent position control from various angles. Customize Graze Elite with mounting arms (three sizes) or masking shields.

Sustainable design. Graze Elite is designed to be sustainable with a modular design, as well as being constructed with recyclable materials such as glass, and aluminum.

Take a closer look

High output

Graze Elite is a high-output luminaire that delivers twice as much light (e.g., 1172 lumens/ft @ 4000k) as comparable luminaires. And thanks to its smart design, it uses less power.

Accurate, consistent color and white light

With its advanced optical system and Chromasync Pro technology, the Graze Elite outputs millions of extremely accurate, consistent colors as well as brilliant white light (90+ CRI).

Versatile applications

Graze Elite is designed to meet the needs of a wide range of grazing and washing applications—from façades and architectural details to textured surfaces—bringing exceptional, reliable performance to all.

Simple customization

Six carefully selected beam angles let you choose the angle that matches needs—all with even illumination. And choose from a wide range of accessories, including mounting arms and masking shields.

Durability and sustainability

Graze Elite's core materials—its aluminum casing and tempered glass—are designed for maximum durability under even the most punishing conditions. Its sustainable design ensures that key materials can be recycled at the luminaire's end-of-life, likely to be very far in the future.

Options

Graze Elite is available in one-foot and four-foot lengths, and 6 standard beam angles including:
9° x 9°
10° x 15°
10° x 60°
15° x 30°
30° x 60°
60° x 30°.

Simplified installation

Graze Elite delivers push-and-click convenience when installing leader and jumper cables. Constant torque locking hinges allows for precision position control. And the latest Powercore technology enables longer run lengths of up to 400 feet. These capabilities all add up to convenience and cost savings—and faster installations.
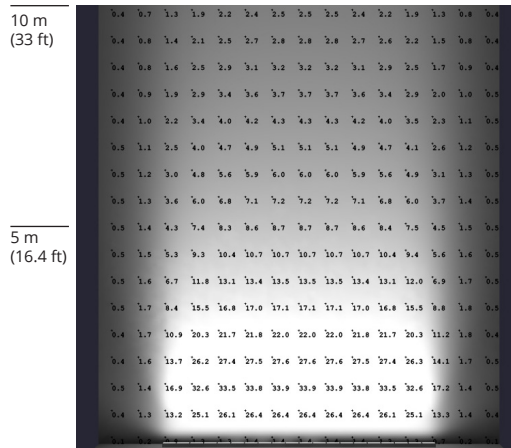
A wide variety of beam angles

Graze Elite is available in 6 standard beam angles, to meet most linear lighting applications. Adjusting setback distance closer adds emphasis, highlight, and drama—while placing the luminaires further back from the surface can deliver smoother, more even illumination.
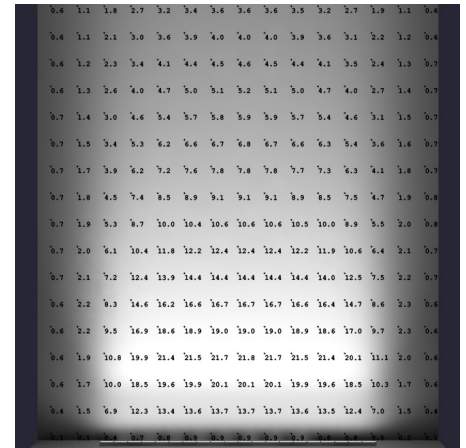
9º x 9º beam

Recommended distance
Up to 20 m (65 ft) or more

Features
With its narrow beam edge, the 9° x 9° beam angle delivers a long and precise throw, perfect for grazing narrow features. It also enables a pixel effect with Graze Elite's 6 inch segment size.
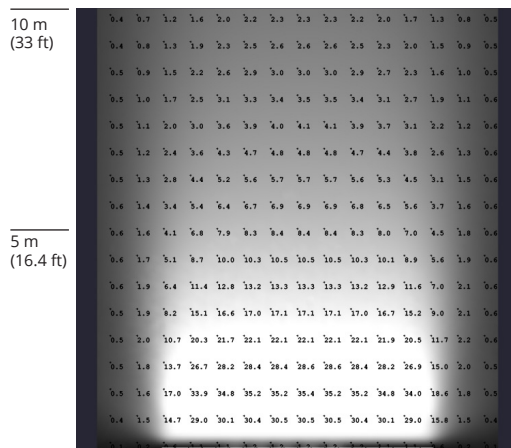
10 m (33 ft)

5 m (16.4 ft)

0

0.3 m (1 ft) setback

0.5 m (1.6 ft) setback
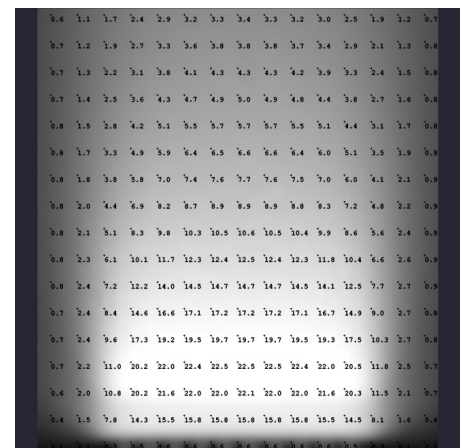
10º x 15º beam

Recommended distance
Up to 18 m (60 ft)

Features
With Graze Elite's excellent end-to-end mixing, the 10° x 15° beam angle with its narrow fan shaped beam is ideal for long throw applications. When smooth AND precise color mixing is needed with very little light spill beyond the edges of the end of run consider the 10° x 15° beam.

10 m (33 ft)

5 m (16.4 ft)

0

0.3 m (1 ft) setback

0.5 m (1.6 ft) setback

Values are shown in footcandles. For lux multiply fc by 10.7.

Each rendering represents five 1224 mm (4 ft) Graze Elite luminaires connected end-to-end, set at various distances from a 10 m (33 ft) white wall, not rotated. All renderings were created from .ies files available on the product page.

As every installation is unique we recommend creating dimensional models, mockups and computer renderings prior to installation.
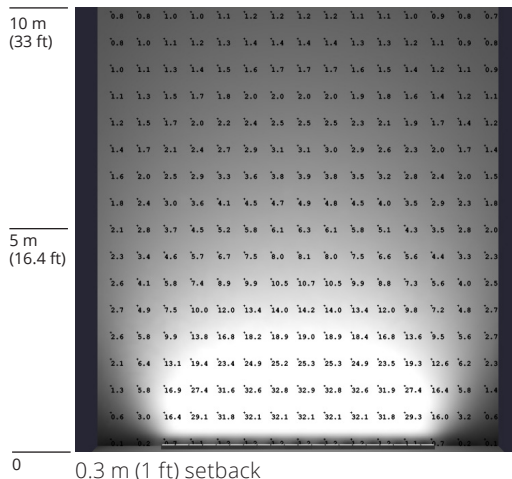
10° x 60° beam

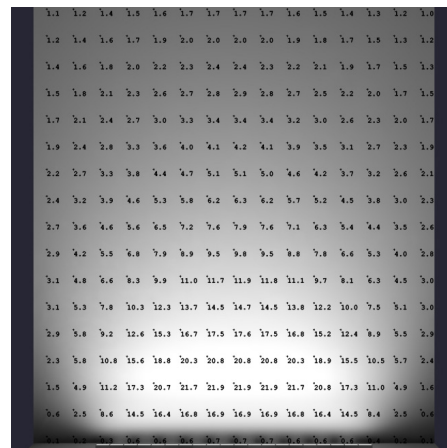**Recommended distance**
Up to 15 m (49 ft)

Features
This popular beam angle features a wide fan shaped beam, ideal for applications where smooth and subtle color gradients are desired across a run.

Also suited for applications where there is need for some space between mounting points but smooth grazing is still required.

10 m (33 ft)

5 m (16.4 ft)

0

0.3 m (1 ft) setback

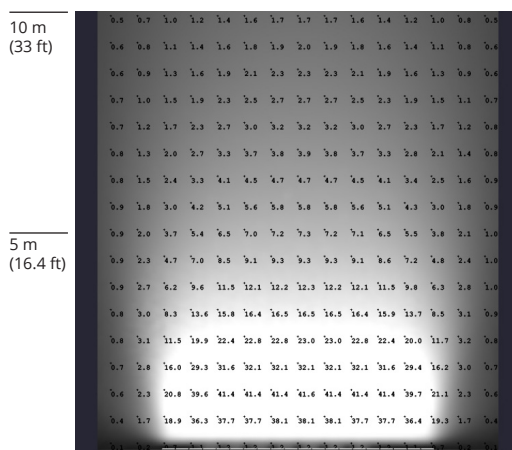0.5 m (1.6 ft) setback

15° x 30° beam
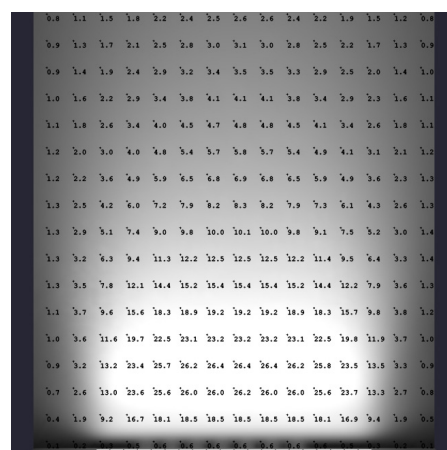
Recommended distance
5 to 10 m (15 to 33 ft)

Features
The 15° x 30° beam is pefect for those installations between grazing and washing as smooth gradients occur linearly, while flooding the surface evenly where greater offset distances are required.

At closer setbacks a 6 m (20 ft) band of light can bring new attention and emphasis to architectural features and details.

10 m (33 ft)

5 m (16.4 ft)

0
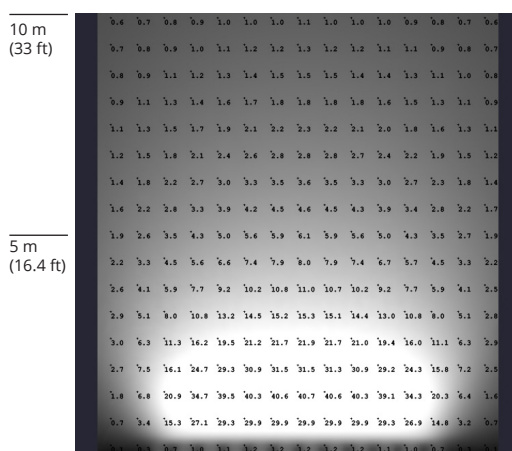
0.3 m (1 ft) setback

0.5 m (1.6 ft) setback

30° x 60° beam
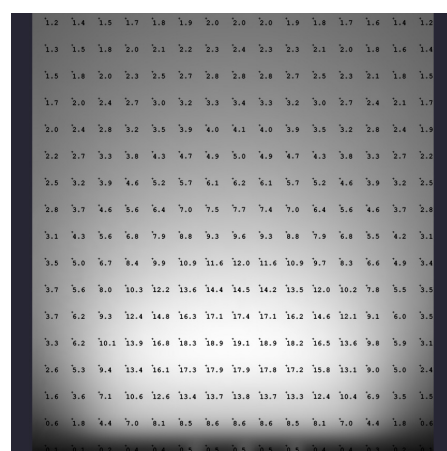
Recommended distance
Up to 10 m (33 ft)

Features
Wall washing or flood lighting applications with longer throw capabilities due to its wide fan shaped beam. Ideal for applications where a greater setback distance is available and even illumination is required across a broad surface and very subtle color gradients are desired.

10 m (33 ft)

5 m (16.4 ft)

0

0.5 m (1.6 ft) setback

1.0 m (3.2 ft) setback

60° x 30° beam

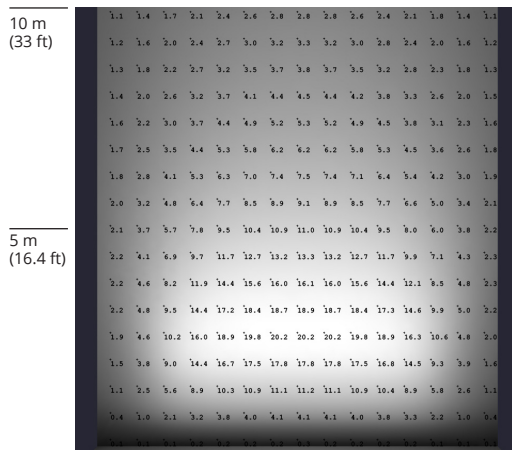**Recommended distance**
Up to 10 m (33 ft)

Features
Wall washing or flood lighting applications without much light spill beyond the end of the linear run due to its unique wide vertical fan beam shape. Ideal for applications where a greater setback distance and mounting height is available, and a wash of even precise illumination is desired.

10 m (33 ft)

5 m (16.4 ft)

0

1.5 m (5 ft) setback

Exceptional lighting takes more than a luminaire

To unlock the full potential of your Graze Elite luminaires, you need the right components to power and control them.

Controllers

Our broad line of controllers brings you differing capabilities that match your specific needs, the complexity of your project, and your budget. Our controllers offer the industry-standard DMX protocol, or our proprietary, scalable KiNET protocol for Ethernet networks. Because of addressing limitations, DMX is appropriate for relatively simple installations, or for light shows in which multiple Graze Elite luminaires operate in unison.

Because it is not subject to DMX addressing limitations, Ethernet is the preferred environment for intricate color-changing light shows using Graze Elite luminaires. All Graze Elite solutions work seamlessly with our full range of controllers, including iPlayer 4, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, as well as third-party DMX controllers.

Controllers

Graze Luminaires

Power / Data Supplies

Monitoring and Management

Power/Data Supplies

We pair each Graze Elite luminaire with the right power/data supply, delivering the power and data needed for your project, ensuring exceptional operation, and maximizing run lengths.

Monitoring and Management

Monitor dynamic architectural lighting assets and manage scenes using Interact Landmark software and system architecture. Securely access Interact Landmark with your smartphone, tablet or PC, from anywhere in the world using an internet connection.

Bringing unity (or differentiation) to any structure

Photography: LITE Ltd.

Graze Elite's vibrant consistent light can serve as a visual unifier, bringing a consistent look across architectural elements. Or it can highlight sections of the building—in this case, the top three floors. No matter how you use it, Graze Elite lets you choose from millions of bright, consistent color options—or brilliant white light. And if you combine multiple luminaire families, you can be confident in accuracy and consistency across the whole structure.

These images show lighting scenarios appropriate for Graze Elite's unique strengths, but do not feature actual installations, since Graze Elite is new to the market.

Highlighting all the details

Bridges, monuments, municipal buildings, and similar iconic structures are rich with fascinating details. Graze Elite brings new attention to them with bright, consistent color or white light. Providing twice the output as previous Graze luminaires, Graze Elite is the right choice for grazing and washing. It can graze up to 100 feet and wash up to three stories. Exceptional side-to-side mixing enables it to illuminate long horizontal structures (e.g., the span of a bridge) with wider luminaire spacing. And Graze Elite provides precise color consistency when used with other Color Kinetics luminaires in larger projects
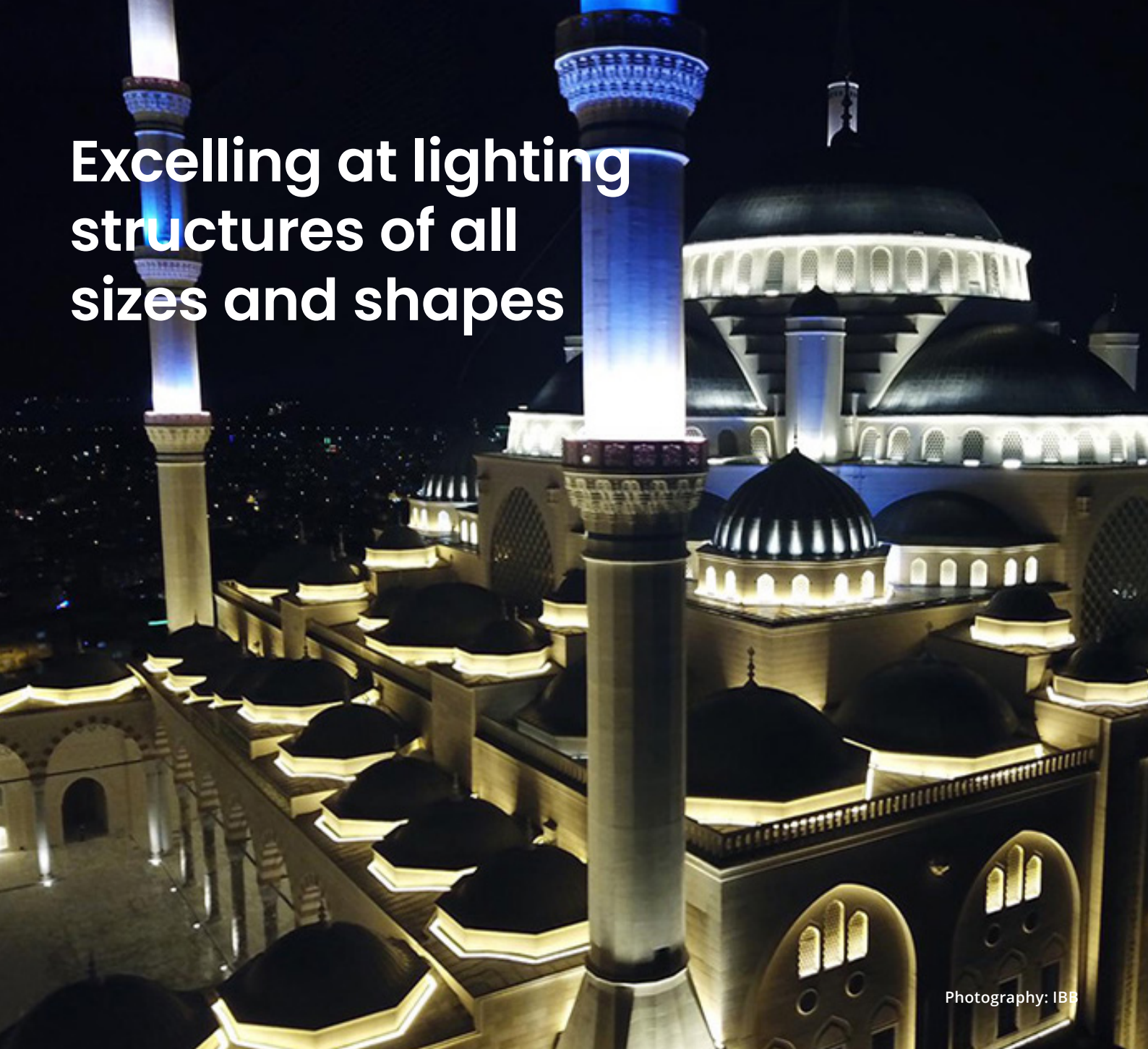
Delivering brilliant white light

Photograph: Stephen Cridland

Does Graze Elite's white-light output match that of solid white luminaires? The answer is a resounding *yes*. It's unique LED mix provides better quality whites than an eW-only luminaire. Graze Elite may provide millions of color choices, but its white output brings bright, elegant grazing and wall washing to a wide range of façades and exteriors. And Graze Elite's versatility means that you can always choose fully saturated color output for a different effect—such as lighting for holidays or special occasions —all from one efficient, flexible luminaire.

These images show lighting scenarios appropriate for Graze Elite's unique strengths, but do not feature actual installations, since Graze Elite is new to the market.

Excelling at lighting structures of all sizes and shapes

Photography: IBB

Graze Elite's bright, consistent color and white output makes it the right choice for grazing and illuminating a wide range of buildings—from storefronts and office buildings of a few stories to large, complex structures. From dozens of luminaires to thousands, Graze Elite provides the same bright, accurate light—all with high performance and lower energy use. Designed to be easy to install, use, and maintain, Graze Elite provides flexible, versatile exterior lighting that combines advanced capabilities with remarkable simplicity.

Specifications and Information

Products	Lengths	Power consumption	Lumens per foot	Efficacy lm/W	CRI
Graze Elite Powercore	309 mm (1 ft), 1224 mm (4 ft)	13.04 to 14.5 W/ft	1129 to 1207 @ 3000 K 1137 to 1216 @ 4000 K	85.6 to 92.2	93.3 to 94.3

General information

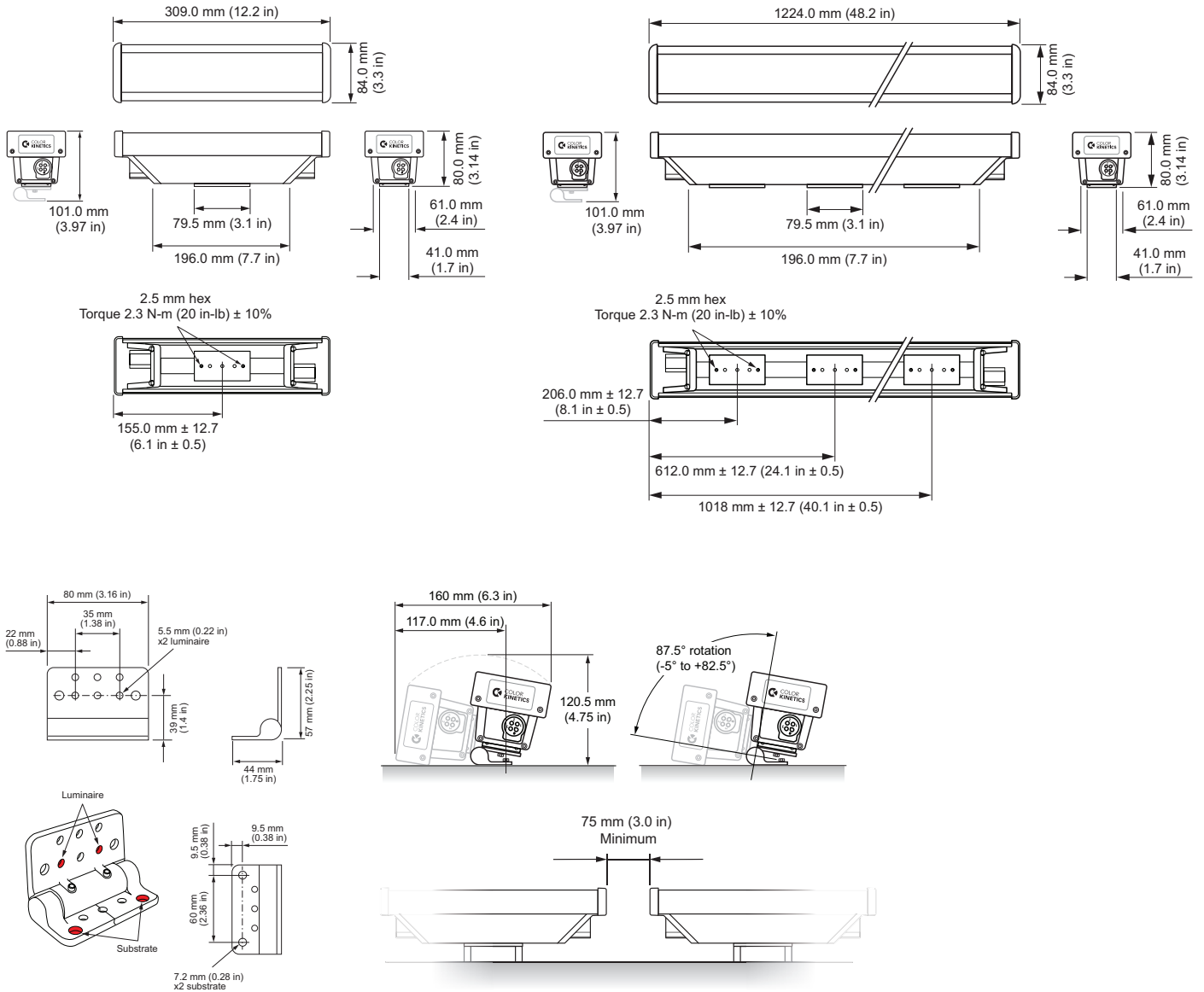|	
Beam Angles	9° x 9°, 10° x 15°, 10° x 60°, 15° x 30°, 30° x 60°, 60° x 30°
LED Channels	Red/Green/Blue/Amber/4000 K
Input Voltage	100 to 277, auto-ranging, 50/60 Hz
Housing Material	Extruded anodized aluminium
Lens	Clear tempered glass
Vibration Resistance	Complies with ANSI C136.31, 2.5G. 5G Protection Kit available as accessory.
Mechanical Impact	IK07
Corrosion Resistance	Complies with ASTM B117 standard for > 1,500 hours. Please refer to www.colorkinetics.com/KB/corrosion-resistance for more information.
Surge Protection Limits	6 kV maximum differential (L to N), 6 kV maximum common (L to Gnd or N to Gnd) For additional Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.
Operating Temperature	-40 to 50 °C (-40 to 122 °F)
Approbations	UL/cUL, FCC Class B, CE
Environment	Dry/Damp/Wet Location, IP66
Weight	309 mm (1 ft)—1.7 kg (3.8 lb) 1224 mm (4 ft)—7.0 kg (15.3 lb)
Dimensions	309 mm (1 ft)—80.0 x 309 x 84.0 mm (3.14 x 12.2 x 3.3 in) 1224 mm (4 ft)—80.0 x 1224 x 84.0 mm (3.14 x 48.2 x 3.3 in)

For further information

Complete details fo Graze Elite including part numbers, installation instructions, specification sheets, .ies files, and product drawings, can be found on the product page.

Graze Elite Powercore

Dimensions

Configuration and planning

Regardless of the size and complexity of your installation, the planning time you spend up front can help streamline the installation and configuration of your luminaires. Keep these points in mind as you plan your installation:

Configuration Calculator

Create a lighting design plan that identifies and locates all luminaires, Data Enabler Pro devices, and controllers. Use **Configuration Calculator** to determine how many luminaires you can install in a single run, and the maximum distances between Data Enabler Pro devices, luminaires, and controllers.

QuickPlay Pro 2

Graze Elite luminaires operate in 8-bit mode by default. To address luminaires, including switching between 8-bit mode and 16-bit mode, download **QuickPlay Pro 2**.

Accessories

	Item Number	12NC
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite,100 to 277 VAC, 15.2 m (50 ft), UL	108-000055-00	910503703137
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE	108-000055-01	910503704064
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite, 100 to 277 VAC, 3 m (10 ft), UL	108-000055-03	910503704066
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite, 100 to 277 VAC, 3 m (10 ft), Black, CE/PSE	108-000055-04	910503704067
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite, 3 m (10 ft), Black, CE/PSE	108-000055-07	910503705065
4 Conductor Leader Cable, For use with Graze Powercore luminaires, 1.52 m (5 ft), UL, for Inground Enclosure	108-000055-09	912400134321
4 Conductor Leader Cable, For use with Graze Powercore luminaires, 1.52 m (5 ft), CE, for Inground Enclosure	108-000055-10	912400134322
4 Conductor Leader Cable, For use with Graze Powercore, ReachElite, 100 to 277 VAC, 3 m (10 ft), BIS	108-000055-13	912400137373
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, End-to-End, Black, UL/cUL	108-000057-00	910503703139
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, End-to-End, Black, CE/PSE	108-000057-01	910503704074
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, 305 mm (1 ft), Black, UL/cUL	108-000057-03	910503704076
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, 305 mm (1 ft), Black, CE/PSE	108-000057-04	910503704077
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, 1.5 m (5 ft), Black, UL/cUL	108-000057-06	910503704079
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, 1.5 m (5 ft), Black, CE/PSE	108-000057-07	910503704080
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, End-to-End, Black, BIS	108-000057-18	912400137377
4 Conductor Jumper Cable, For use with Graze MX/QLX/EC luminaires, 1.5 m (5 ft), Black, BIS	108-000057-19	912400137378
Architectural Mounting Arm, for use with Blast, Graze Elite, Graze, Graze Compact, Burst Architectural. Short, gray	120-000206-00	912400136642
Architectural Mounting Arm, for use with Blast, Graze Elite, Graze, Graze Compact, Burst Architectural. Medium, gray	120-000206-01	912400136643
Architectural Mounting Arm, for use with Blast, Graze Elite, Graze, Graze Compact, Burst Architectural. Long, gray	120-000206-02	912400136644

Power/Data Supplies

Data Enabler Pro, 3/4 in / 1/2 in NPT (US trade size conduit), UL	106-000004-00	910503701210
Data Enabler Pro, PG21/PG13 (metric size conduit), 100-277 VAC	106-000004-01	910503701211
Data Enabler Pro gen3, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 100 to 277 VAC, UL	106-000004-04	912400138114
Data Enabler Pro gen3, M25 / M20 (metric size conduit) 100 to 240 VAC, CE	106-000004-05	912400138115

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