

ColorGraze MX4 Powercore

Date: _____

Type: _____

Firm Name: _____

Project: _____

RGBW, 10° x 60° Beam Angle, 1219 mm (4 ft)

Exterior linear grazing luminaire with intelligent RGBW or RGBA light

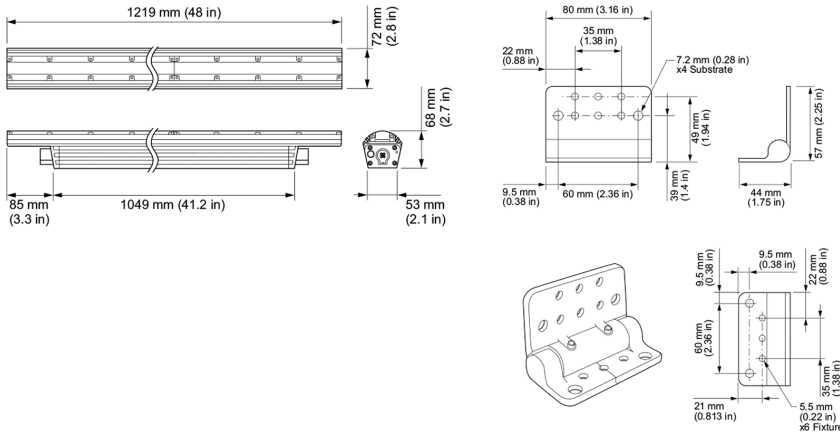
ColorGraze MX4 Powercore is a high-performance, exterior linear luminaire designed to highlight architectural features ranging from surface textures and molding details to archways and windows. Graze RGBW luminaires add a separate white LED creating better-quality whites compared to RGB. Graze RGBA luminaires add a separate amber LED which expands the available range of colors to include warmer tones such as rich gold, yellow, and orange shades. Multiple fixture lengths, and beam angles support a large range of façade or surface illumination applications. Low-profile housing, connectorized cabling, a universal power input range, and direct line voltage operation make Graze luminaires easy to install and operate.



- Tailor light output to specific applications—Available in four standard lengths (1 ft, 2 ft, 3 ft, and 4 ft), and five standard 9° x 9°, 10° x 60°, 15° x 30°, 30° x 60°, and 60° x 30° beam angles.
- Flexible integration—Graze's ultra-low profile lets it fit discretely into almost any layout, from simple to elaborate.
- Customizable accessories - Customize your Graze luminaire with a choice of three accessories: mounting arm, masking shield, and graze louver. Mounting arm available in three sizes and three colors (black, white, and gray), and masking shield available in four lengths (1 ft, 2 ft, 3 ft, and 4 ft).
- Integrates patented Powercore technology that controls power output to luminaires directly from line voltage - rapidly, efficiently, and accurately. The Color Kinetics Data Enabler Pro merges line voltage with control data and delivers them to luminaires over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Graze provides years of reliable use under rugged conditions by meeting ANSI C136.31- 2010 standard with a 3G vibration rating, and elimination of water pooling on the lens.
- Works seamlessly with the Color Kinetics full range of controllers, including Light System Manager, Video System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro—as well as third-party controllers.
- 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.

For detailed product information, please refer to the Graze Product Guide at www.colorkinetics.com/global/products/rgb/colorgraze-mx4-powercore/

Dimensions



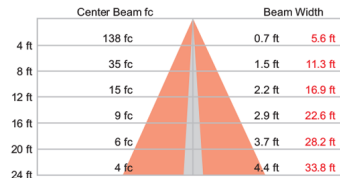
Photometrics 305 mm (1 ft), 10° x 60° beam angle

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/global/support/ies.

Beam Angle	10° x 60°
LED	RGBW
Lumens	619.0
Efficacy (lm/W)	34.9



Illuminance at Distance



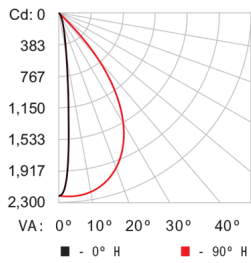
Zonal Lumen

Zone	Lumens	% Fixture
0 - 60	609.5	98.5 %
60 - 90	8.7	1.4 %
0 - 90	618.2	99.9 %

47 ft (14.3 m) 1 fc maximum distance
 ■ Vert. Spread: 10.5°
 ■ Horiz. Spread: 70.4°

For lux multiply fc by 10.7

Polar Candela Distribution



Cd: 0	383	767	1,150	1,533	1,917	2,300
0	0	15	25	35	45	55
25	2210	1405	1020	760	580	450
45	2210	1718	1193	880	660	510
70	2210	2122	1510	1110	840	650
90	2210	2220	2136	1787	1104	390
90	0	0	0	0	0	0

Coefficients of Utilization - Zonal Cavity Method

RCC %:	Effective Floor Cavity Reflectance: 20%															
	80				70				50				30			
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0
0	119	119	119	119	116	118	116	100	111	111	111	106	106	106	106	102
1	114	111	109	107	111	109	107	94	105	103	102	101	100	99	98	96
2	108	104	100	97	106	102	99	89	99	96	94	91	88	86	84	83
3	103	97	93	89	102	96	92	84	93	90	87	91	88	86	84	83
4	99	92	87	83	97	91	86	79	88	84	81	86	83	80	78	78
5	94	87	81	77	93	86	81	75	84	80	76	82	78	75	73	73
6	90	82	77	73	89	81	76	71	80	75	72	78	74	71	70	69
7	86	78	72	69	85	77	72	67	76	71	68	75	71	68	67	66
8	83	74	69	65	82	74	68	64	73	68	65	72	67	64	63	63
9	80	71	65	62	79	70	65	61	69	65	62	69	64	61	60	60
10	77	68	63	59	76	67	62	58	67	62	59	66	62	59	58	57

Luminaire and Accessories

Use Item Number when ordering in North America

Luminaire	Item Number	Item 12NC
ColorGraze MX4 Powercore, RGBW, 10° x 60° Beam Angle, 1219 mm (4 ft)	423-000001-16	910503704697
Accessories		
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UL	108-000055-03	910503704066
4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), UL	108-000055-00	910503703137
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE	108-000055-04	910503704067
4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE	108-000055-01	910503704064
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS	108-000055-13	912400137373
4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure	108-000055-09	912400134321
4 Conductor Leader Cable, 1.52 m (5 ft), CE, for Inground Enclosure	108-000055-10	912400134322
Jumper Cable for use with Graze, UL/cUL, End-to-End	108-000057-00	910503703139
Jumper Cable for use with Graze, UL/cUL, 305 mm (1 ft)	108-000057-03	910503704076
Jumper Cable for use with Graze, UL/cUL, 1.5 m (5 ft)	108-000057-06	910503704079
Jumper Cable for use with Graze, CE/PSE, End-to-End	108-000057-01	910503704074
Jumper Cable for use with Graze, CE/PSE, 305 mm (1 ft)	108-000057-04	910503704077
Jumper Cable for use with Graze, CE/PSE, 1.5 m (5 ft)	108-000057-07	910503704080
Jumper Cable for use with Graze, BIS, End-to-End	108-000057-18	912400137377
Jumper Cable for use with Graze, BIS, 1.5 m (5 ft)	108-000057-19	912400137378
Architectural Mounting Arm, Short, Gray	120-000206-00	912400136642
Architectural Mounting Arm, Medium, Gray	120-000206-01	912400136643
Architectural Mounting Arm, Long, Gray	120-000206-02	912400136644
Symmetric Louver, 1219 mm (4 ft)	120-000202-03	912400135852
Masking Shield, 1219 mm (4 ft)	120-000203-03	912400135860
Graze Glare Shield, 1220 mm (4 ft)	120-000081-03	910503700748
Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire	120-000190-07	912400133691
Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire	120-000190-06	912400133690
Power Supplies		
Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	106-000004-00	910503701210
Data Enabler Pro, PG21/PG13 (metric size conduit)	106-000004-01	910503701211



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Color Kinetics
www.colorkinetics.com/global/products/rgb/colorgraze-mx4-powercore/