

G2 Linear

PRODUCT DESCRIPTION

Ketra high-output full spectrum linear accent luminaires suited for cove, wall-wash and grazing applications with various beam angles.

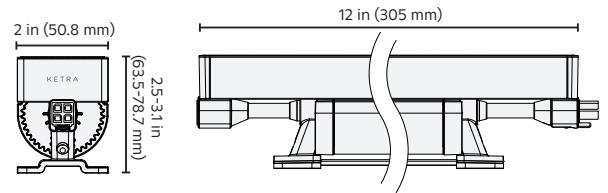
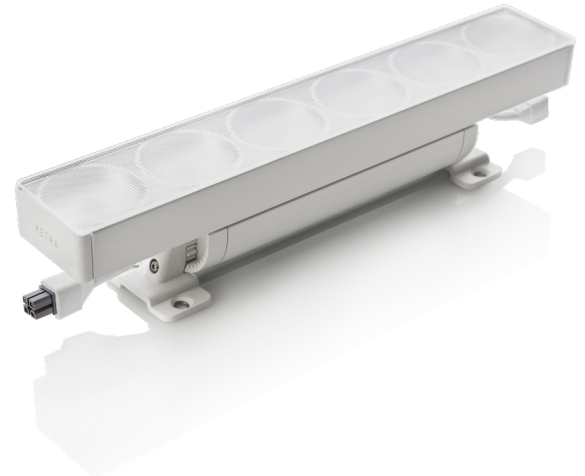
FEATURES

High Def Palette—covers a wide range of 16.7 million colors, including pastels, saturated colors and high CRI whites spanning from 1,400K to 10,000K.

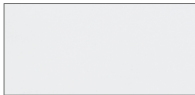
Dynamic Spectrum—precisely tunes the amount of energy across the visible spectrum to produce Natural Light, Natural Dimming and Vibrancy.

TruBeam—produces uniform color across any available beam angle.

Color Lock—maintains your desired color point at a one-step MacAdam Ellipse across all Ketra product families and over each product’s lifetime.



Finish



White

SPECIFICATIONS¹

Optical Performance

Delivered Lumens ²	G2.10 1000 lm/ft, G2.07 700 lm/ft, G2.04 400 lm/ft
CRI (Ra) ³	>90 (R9>90)
Lumen Maintenance ³	50,000 hours to L70 @ 25 °C Ambient
Color Point Maintenance ³	One-step MacAdam Ellipse over product lifetime
Beam Angles	10×60° 30×45° 60×60° 120×120°
Dimming Range ¹	0.1-100%

Environmental

Ambient Temperature	-20 - 50 °C
Humidity	0 - 95%, Non-condensing
Certification	UL, cUL, RoHS
Location	UL Damp Location, IP20
Outdoor/Indoor	Not for use in outdoor applications
Warranty	5 year fixture, LED, and dimming warranty

Mechanical

Fixture Weight (12 in, 304.8 mm)	1.35 lbs (600 g)
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	Non-yellowing heat/ UV stabilized PMMA

Electrical

Power Consumption	120 V~ G2.10 17 W/ft TYP, G2.07 11.5 W/ft TYP, G2.04 8 W/ft TYP	277 V~ G2.10 15.5 W/ft TYP, G2.07 11 W/ft TYP, G2.04 7.7 W/ft TYP
Power Factor	>0.9	>0.9
Current	120 V~ G2.10 0.14 A G2.07 0.10 A G2.04 0.07 A	277 V~ G2.10 0.06 A G2.07 0.04 A G2.04 0.03 A
Efficacy	120 V~ G2.10 58.8 lm/W TYP, G2.07 60.9 lm/W TYP, G2.04 50 lm/W TYP	277 V~ G2.10 64.5 lm/W TYP, G2.07 60.9 lm/W TYP, G2.04 51.9 lm/W TYP
Voltage	120 V~ 60 Hz, 277 V~ 60 Hz +/- 10%	
Total Harmonic Distortion (THD)	< 5%	
Emergency Lighting	Evaluated by UL[®] for use in emergency lighting systems in accordance with standard UL[®] 924 and CSA C22.2 No. 141 when paired with the LVS™ model LUT-SHUNT-A-TD (UL[®] file E206507) and Ketra N3 Satellite⁴.	
Max. Qty of Fixtures Per N3	40⁵	
Max Total Run Length, including cable, Per N3	100 ft (30.48 m)⁵	

¹ All performance measurements taken with fixture stabilized at 25° C ambient, 100% power input, unless otherwise stated, within CCT range of 2700 - 5000 K.

² Lumen measurement complies with IES LM-79-08 testing procedures.

³ Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.

⁴ See Lutron Application Note 106 (P/N 048106) at www.lutron.com for wiring details. This is only applicable to CCX fixtures used in an Athena system.

⁵ The maximum number of N3 systems within a 20 ft (6.1 m) radius is four systems. For additional limitations when multiple N3 links are in close proximity, please see the "Lutron Residential and Commercial Systems Rules" spec (P/N 369821) at www.lutron.com. Wiring within an N3 system requires either the Lutron provided cables or wiring should be installed in a metal armored cable or metal conduit.

ORDERING GUIDE

Please download this PDF to use the interactive drop down features of the ordering guide.

Product Line	G2	12	Delivered Lumens	GT	Control System	Beam Angle	Region / Voltage	A	Interface	WH	Housing Finish
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Order code: _____

Product Line	Code	Control System	Code	Region / Voltage	Code
Commercial (Athena compatible)	CM-	CCX (Clear Connect-Type X)	GT	North America, 120 V~ 60 Hz	11
Residential (HomeWorks compatible)	HW-	Beam Angle		North America, 277 V~ 60 Hz	12
		Graze (10° X 60°)	GR		
		Narrow Flood (30° X 45°)	NFL		
		Flood (60° X 60°)	FL		
		Wide Flood (120° X 120°)	WFL		
Model				Interface	
G-Series 12 in Linear Accent	G2			Leader Cable	A
Fixture Length				Housing Finish	
1 ft (12 in [30.48 cm])	12			White	WH
Delivered Lumens					
1000	10				
700	07				
400	04				

COMPONENT ORDERING GUIDE

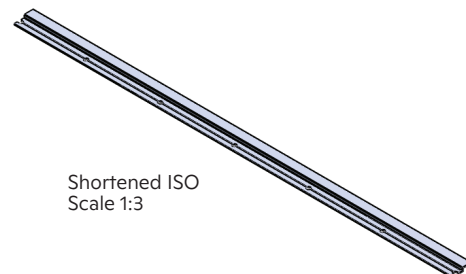
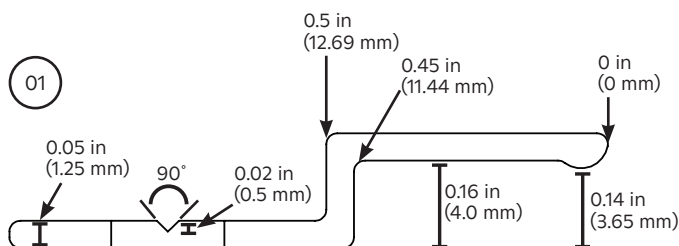
Please download this PDF to use the interactive drop down features of the ordering guide.

Order code: _____

Component	Code
Leader 50 ft (15.2 m), White (with Terminator)	UN-G2L6001CWH
Leader 50 ft (15.2 m), Black (with Terminator)	UN-G2L6001CBK
Leader 10 ft (3 m), White (with Terminator)	UN-G2L1201CWH
Leader 10 ft (3 m), Black (with Terminator)	UN-G2L1201CBK
Lead Out 10 ft (3 m), White	UN-G2LO1201CWH
Lead Out 10 ft (3 m), Black	UN-G2LO1201CBK
Jumper 1 ft (0.3 m), White	UN-G2J0121CWH
Jumper 1 ft (0.3 m), Black	UN-G2J0121CBK
Jumper 5 ft (1.5 m), White	UN-G2J0601CWH
Jumper 5 ft (1.5 m), Black	UN-G2J0601CBK
Jumper 10 ft (3 m), White	UN-G2J1201CWH
Jumper 10 ft (3 m), Black	UN-G2J1201CBK
Jumper 25 ft (7.6 m), White	UN-G2J3001CWH
Jumper 25 ft (7.6 m), Black	UN-G2J3001CBK
Terminator (Optional Replacement)	UN-G2TC
G2 Hex Louver, 45°, White (NFL, FL, WFL)	UN-G212HLST45WH
G2 Hex Louver, 45°, Black (NFL, FL, WFL)	UN-G212HLST45BK
G2 Hex Louver 45°, White (GRAZE)	UN-G212HLGR45WH
G2 Hex Louver 45°, Black (GRAZE)	UN-G212HLGR45BK
G2 Hex Louver 65°, White (NFL, FL, WFL)	UN-G212HLST65WH
G2 Hex Louver 65°, Black (NFL, FL, WFL)	UN-G212HLST65BK
G2 Hex Louver 65°, White (GRAZE)	UN-G212HLGR65WH
G2 Hex Louver 65°, Black (GRAZE)	UN-G212HLGR65BK
G2 Alignment Track	UN-G2TRKZP48

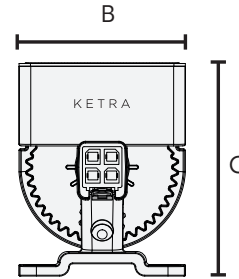
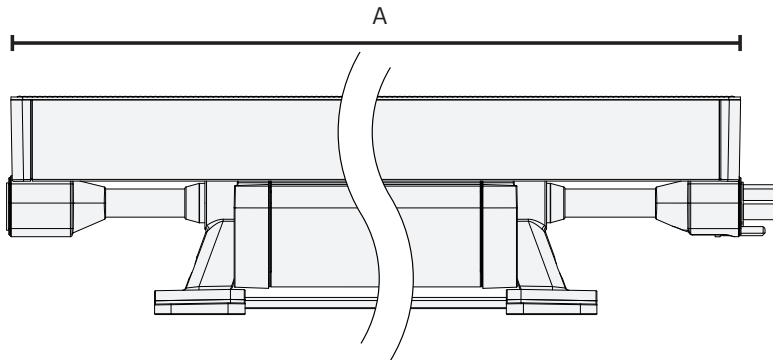
NOTE: Leader, Lead Out, and Jumper cables are SJT flexible cord.

G2 Alignment Track - G2TRKZP48

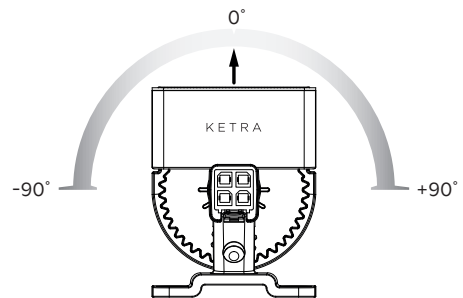


PRODUCT DIMENSIONS

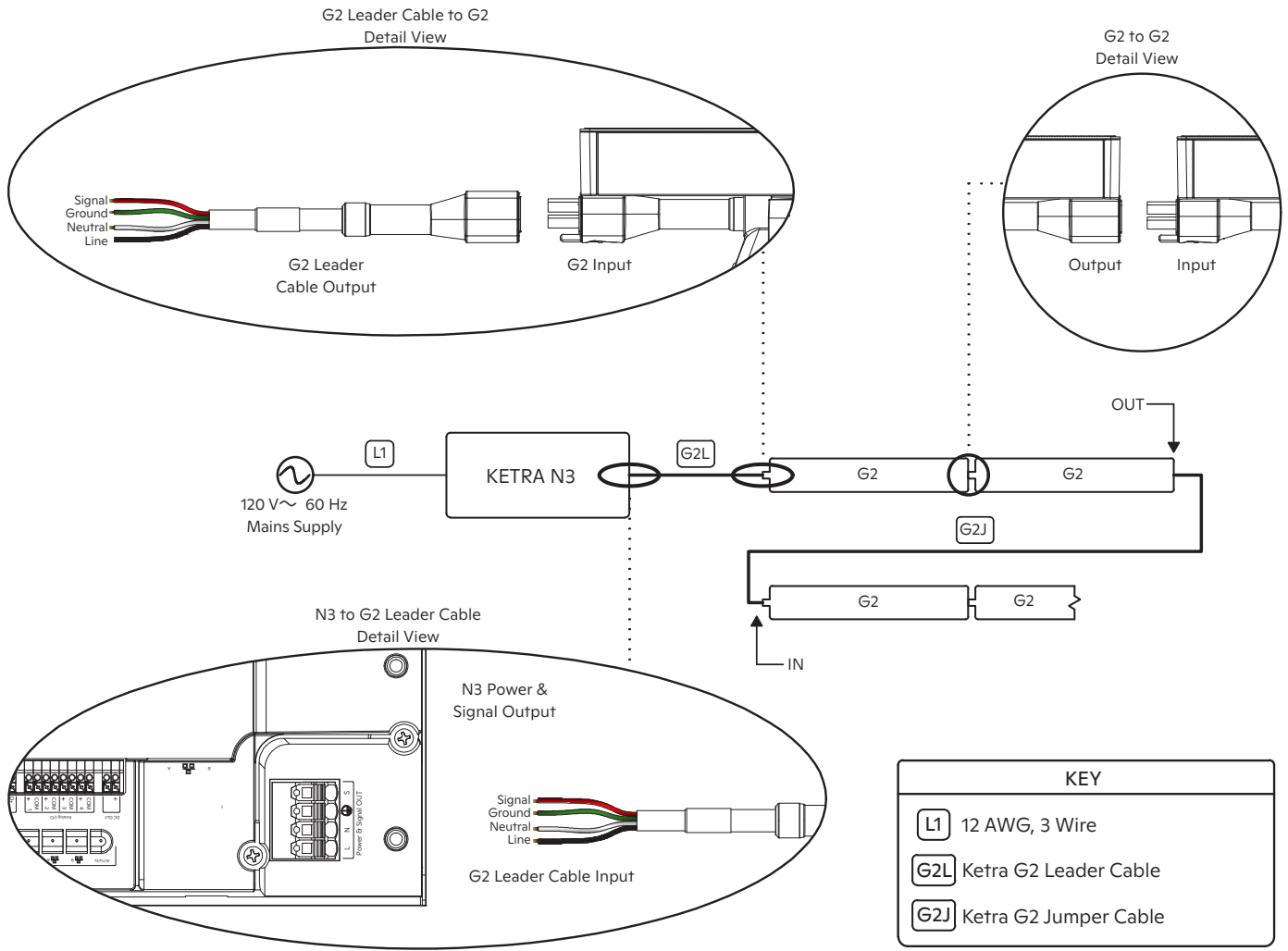
Fixture



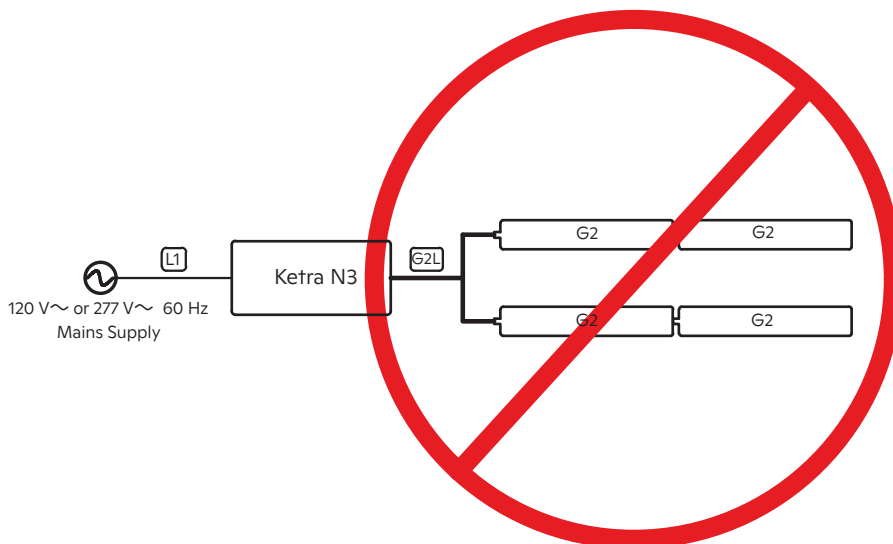
Beam Angle	Dim A	Dim B	Dim C
Wide Flood	12 in (305 mm)	2 in (50.8 mm)	2.5 in (63.5 mm)
Flood			2.5 in (63.5 mm)
Narrow Flood			2.65 in (67 mm)
Graze			3.1 in (78.7 mm)
Rotation	Infinite adjustment through 180°		



WIRING DIAGRAM



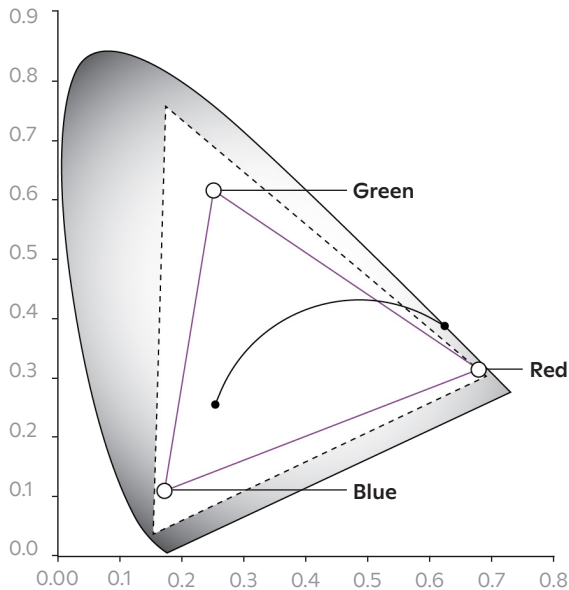
Install in accordance with all local and national electrical codes



STAR TOPOLOGIES ARE NOT SUPPORTED

WIDE GAMUT

CIE 1931 Color Chart



Ketra's G2 high output linear accent can easily be commissioned into Lutron HomeWorks or Athena systems. The product can reproduce any color point within the triangle shaped gamut indicated in the chart to the left. With Ketra's Color Lock tool, the color point is maintained to an accuracy of one-step MacAdam Ellipse over the lifetime of the product and across operating temperature range.

- **Color Lock**—Color point is maintained to an accuracy of one-step MacAdam Ellipse over the lifetime of the product and across operating temperature range.
- - - - **Expanded Gamut**—Color lock not guaranteed such that each product produces the most saturated color of which it is capable.

G2 General Specifications

Color Point Maintenance: Employ closed loop optical and thermal feedback capable of maintaining color point accuracy at a one-step MacAdam ellipse over product lifetime¹.

Wireless Capability: LED light source shall have an integrated wireless control on board.

Color Rendering Index (CRI): Capable of CRI greater than 90 at any point along the Black Body Curve from 2,700K to 5,000K.

Single Source Multi-Die Modular Emitter/LED Module Design: Employ a single source multi-die modular emitter/LED module consisting of both monochromatic and phosphor converted blue LED die.

LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.

Diagnostic reporting capability²: Clear Connect-Type X (CCX) light sources provide diagnostics and built-in technology to check input voltage and wireless connectivity.

Warranty: Ketra's light source is warranted to be free

from material defects in material and workmanship for five (5) years or 25,000 hours from date of shipment, whichever is less.

Lighting System Capable of the Following Dimming Functionality:

1. Automatically mimicking natural daylight by shifting Correlated Color Temperature (CCT) and intensity based on time-of-day.
2. Shifting from high CCT at high intensity to low CCT at low intensity, mimicking dimming curve of an incandescent lamp.
3. Changing intensity while maintaining full color spectrum or CCT.
4. Changing full color spectrum or CCT while maintaining intensity.

Spectral Power Distribution Manipulation: Light system capable of manipulating the Spectral Power Distribution (SPD) by automatically adjusting distributions of color intensity while maintaining the same Correlated Color Temperature (CCT).

Dimming Range: Dimmable from 100 to 0.1 percent measured luminous flux.

Color Point Range: Single light source capable of producing 16.7 million colors and white from 1,400K to 10,000K Correlated Color Temperature (CCT).

¹ Color point maintenance not guaranteed in the expanded gamut or while operating at ambient temperatures between -13 to 32 °F (-25 to 0 °C).

² For diagnostics support or more information, please contact Lighting Technical Support at lightingsupport@lutron.com or 1.844.LUTRON1 (1.844.588.7661).