

Data Enabler IntelliPower G2

Date: _____
Type: _____
Firm Name: _____
Project: _____

**0.75 in / 0.5 in NPT (US trade size
conduit)**

POWER/DATA SUPPLY

Enabling the transition from static conventional lighting to dynamic LED lighting using existing electrical infrastructures

IntelliPower employs an innovative implementation of proven power line carrier technology to send high-bandwidth control data to luminaires over standard 2 + ground wiring, enabling the integration of intelligent LED lighting solutions into existing power systems. By leveraging existing electrical and physical infrastructures, IntelliPower technology lets you affordably install dynamic, digitally controllable LED lighting where it was never possible before.



- New applications for intelligent LED lighting—IntelliPower enables the use of dynamic, digitally-controlled LED lighting in any situation where re-wiring is not desirable or feasible, including historic buildings, in-ground systems, bridges, and monumental exteriors.
- Leverages existing electrical infrastructures — Data Enabler IntelliPower distributes digital control data from DMX or Ethernet controllers over existing electrical branches using standard 2 + ground wiring. Data Receiver IntelliPower translates power and control streams into 3 + ground wiring for delivery to intelligent Powercore LED lighting luminaires from Color Kinetics.
- Flexible configurations—You can install IntelliPower devices in virtually any configuration to support the full range of lighting design needs. You can use multiple Data Receiver IntelliPower devices on a branch to connect individual LED lighting luminaires in situations where you cannot lay new cable. You can send the same data stream to multiple Data Enabler IntelliPower devices to control luminaires on multiple branches from a single control source.
- Special support for canopy-base and landscape-mount luminaires — Mount canopybase luminaires from Color Kinetics, including Burst Powercore Architectural and Blast Powercore, directly to the Data Receiver IntelliPower for situations in which you cannot use 3 + ground wiring. The Data Receiver IntelliPower also offers a threaded opening for luminaires with mounting posts, such as Burst Powercore Landscape.
- Universal power input range—IntelliPower devices accept a universal power input range of 100 to 277 VAC for consistent installation and usage anywhere in the world.
- Industry-leading controls — IntelliPower systems work seamlessly with the complete Color Kinetics line of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, and third-party controllers.
- Outdoor rated—Data Enabler IntelliPower and Data Receiver IntelliPower are fully sealed and IP66-rated for outdoor applications.

For more information, please refer to <https://www.colorkinetics.com/global/products/pds/dataenablerintellipower>

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz*
Maximum Input Current	150 mA maximum
Load Current	16 A maximum
Power Consumption	15 W maximum

Connections

Threaded Openings	0.75 in NPT for power / 0.5 in NPT for data (US trade)
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Data Input Source

Color Kinetics full range of controllers, third-party DMX controllers, or KiNET-compatible third-party Ethernet controllers[§]

Power Input	3-wire PC terminal block connector†
Power/Data Output	3-wire PC terminal block connector (for 3-wire IntelliPower output)
DMX Input/Output	Double-pair, double-entry IDC connectors‡
Ethernet Input/Output	Double-pair, double-entry IDC connectors‡

* Verify that the line voltage is appropriate for the lighting luminaires in your installation. See a specific luminaire's documentation for supported line voltages.

† PC terminal block connectors accept recommended wire sizes from 8.37 to 0.823 mm² (8 to 18 AWG).

‡ IDC connectors accept wire sizes from 0.326 to 0.129 mm² (22 to 26 AWG).

§ KiNET is the Ethernet lighting protocol from Color Kinetics.

Physical

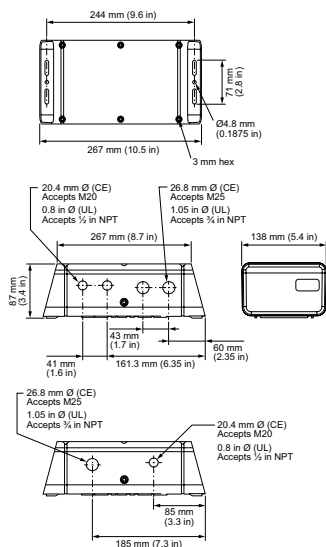
Dimensions (Height x Width x Depth)	87 x 267 x 138 mm (3.4 x 10.5 x 5.4 in)
Weight	2.4 kg (5.4 lb)
Housing	NEMA 4X-rated cast aluminium enclosure
Mounting	Slots for surface mounting
Finish	Powder-coated industrial gray matte
Operating Temperature	-40 to 50 °C (-40 to 122 °F)
Startup Temperature	-20 to 50 °C (-4 to 122 °F)
Storage Temperature	-40 to 80 °C (-40 to 176 °F)
Humidity	0 to 95%, non-condensing
Cooling	Convection
Heat Dissipation	15 W

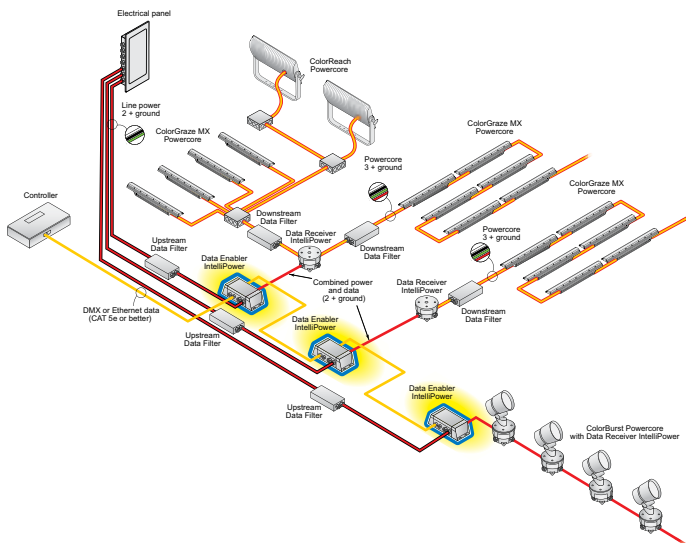
Certification and Safety

Certification	UL/cUL, FCC Class A, CE
Environment	Dry/Damp/Wet Location, IP66



Dimensions





Part Numbers

Use Item Number when ordering in North America.

Power/Data Supply	Item Number	Item 12NC
Data Enabler IntelliPower G2, 0.75 in / 0.5 in NPT (US trade size conduit)	106-000010-02	912400130327
Data Enabler IntelliPower, 8 mm hex wrench, 3 mm hex wrench, Flat blade screwdriver, EMI suppression core, Installation Instructions		



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Color Kinetics
www.colorkinetics.com