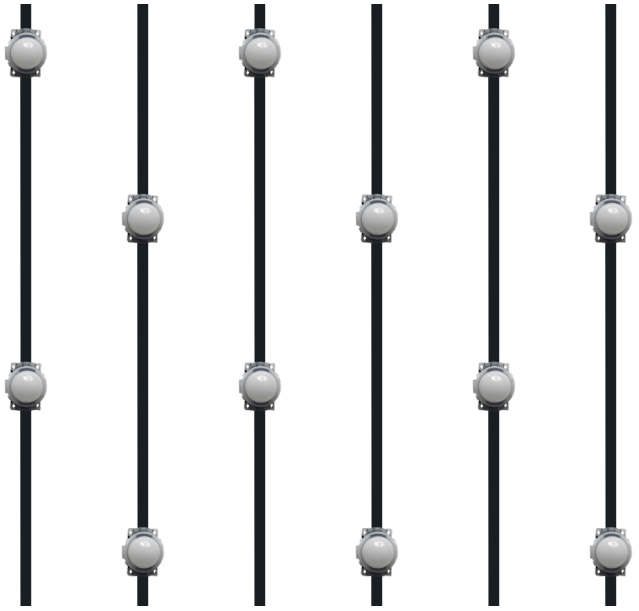
GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

AURA DOT

Aura Dots are versatile single-point fixtures that can be used to create a unique pixel display or to highlight architectural details. They are available in rich color changing RGBW (2700K, 3000K, 4000K). Choose a Milky Dome lens for 3D visibility or a Clear Flat lens for added brightness. Customize spacing to fit your lighting design. Program with simple SPI (Serial Peripheral Interface) controls for maximum effect. Aura Dots are rated IP66 and IP67 for exterior applications.



- Single point lighting for custom façade displays
- Pixel RGBW (2700K, 3000K, 4000K)
- Milky Dome lens with 165x165° beam angle or Clear Flat lens with 110x110° beam angle
- Program with SPI controls
- 1.38 in. (35 mm) diameter
- Custom Pixel spacing:
  Min. spacing: 3.94 in. (100 mm)
  Max. spacing: 39.37 in. (1000 mm)
- Max. run length: 98 ft 5 in. (30 m)
- Mount with single clips or channel
- IP66 and IP67
- IK08
- 3-year warranty

IP66 IP67

Custom Pixel Spacing

Milky Dome Lens

Clear Flat Lens

AVAILABLE COLORS

PIXEL

RGBW

ORDERING GUIDE

Category	Input Voltage	Wattage	Colors	Lens	Housing Color	Control
AD35	24	1.8				S
AD35 - Aura Dot	**24** - 24 VDC	**1.8** - 1.8 W	**RGB27** - RGBW (2700K)	**MD** - Milky Dome Lens	**BK** - Black	**S** - SPI
			RGB30 - RGBW (3000K)	**CF** - Clear Flat Lens	**WH** - White	
			RGB40 - RGBW (4000K)			

CONTROLLERS:

1. C1 Extended Controller
   Part # for 1 universe model: CTRLPIXEL1
2. C1 Live Controller
   Part # for 4 universe model: CTRLPIXELLIVE4
3. C4 Extended Controller
   Part # for 2 universe model: CTRLPIXEL2
   Part # for 4 universe model: CTRLPIXEL4
   Part # for 8 universe model: CTRLPIXEL8
   Part # for 8 universe model: CTRLPIXEL12
4. C4 Live Controller
   Part # for 8 universe model: CTRLPIXELLIVE8
   Part # for 12 universe model: CTRLPIXELLIVE12
   Part # for 16 universe model: CTRLPIXELLIVE16
   Part # for 24 universe model: CTRLPIXELLIVE24
5. PxLNet Controller
   Part #: CTRLPIXEL96

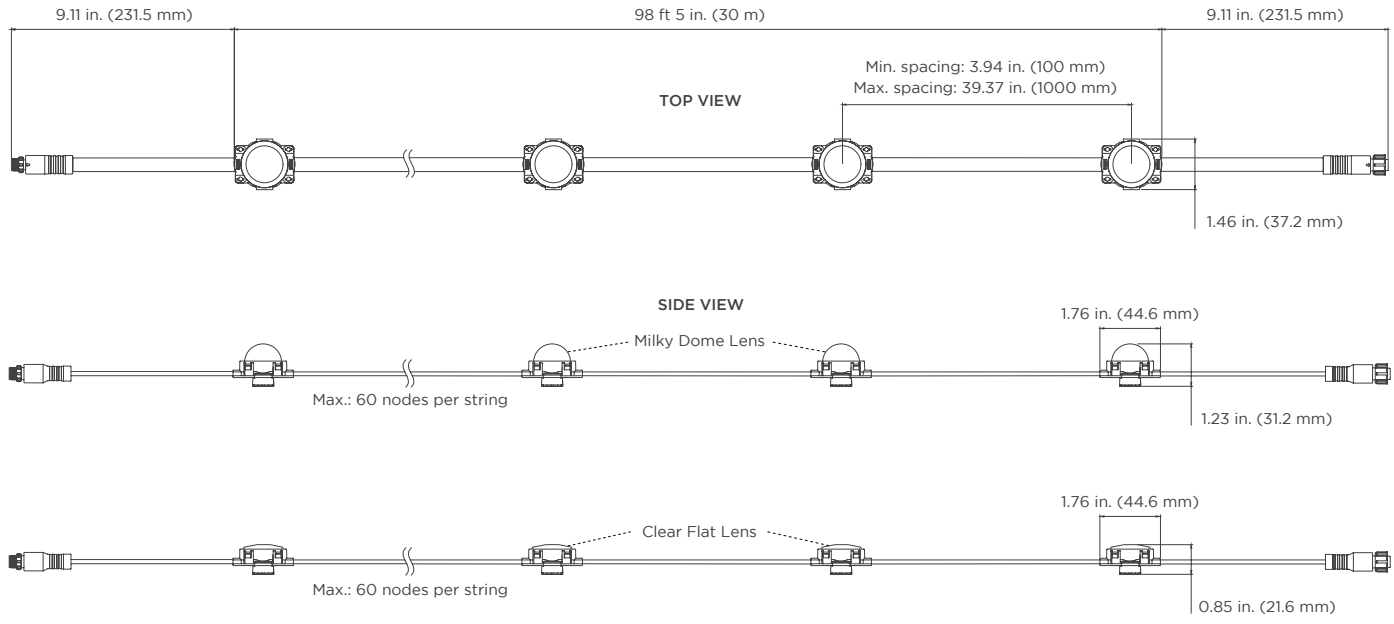
DRIVERS:

1. 24V 60W Non-dimmable Driver
   Part #: DRVW2460
2. 24V 96W Non-dimmable Driver
   Part #: DRVW2496

SPECIFICATIONS / DIMENSIONS / LUMEN DATA

Operating Voltage	24 VDC				
Color	**RGBW (2700K, 3000K, 4000K)**				
	Red	Green	Blue	White	All On
Power Consumption	0.6 W	0.6 W	0.6 W	0.6 W	1.8 W
Lumens per Node	18.2 lm	31.8 lm	4.2 lm	31.3 lm	68.2 lm
Efficacy	28.5 lm/W	43.6 lm/W	6.9 lm/W	52.2 lm/W	37.3 lm/W
LEDs per Node	12 LEDs (6x RGB + 6x White)				
IC Code	UCS 8904B				
LED Beam Angle	Milky Dome Lens: 165x165° Clear Flat Lens: 110x110°				
Pixel Spacing	Min. spacing: 3.94 in. (100 mm) Max. spacing: 39.37 in. (1000 mm)				
Max. Run Length	60 nodes or 98 ft 5 in. (30 m)				
Storage Temperature	-13 — 158 °F (-25 — 70 °C)				
Operating Temperature	-13 — 140 °F (-25 — 60 °C)				
Connector	3-pin Connector				
Lens Options	Milky Dome Lens, Clear Flat Lens				
Protection Rating	IP66 and IP67				
Impact Rating	IK08				
Mounting Options	Mounting Clip, Mounting Channel				
Fixture Color Finish	Black, White				
Dimensions (L x W x H)	With Milky Dome Lens: 1.76 x 1.46 x 1.23 in. (44.6 x 37.2 x 31.2 mm) With Clear Flat Lens: 1.76 x 1.46 x 0.85 in. (44.6 x 37.2 x 21.6 mm)				
Weight per string (60 modules)	4.41 lb (2 kg)				
Warranty	3 years				

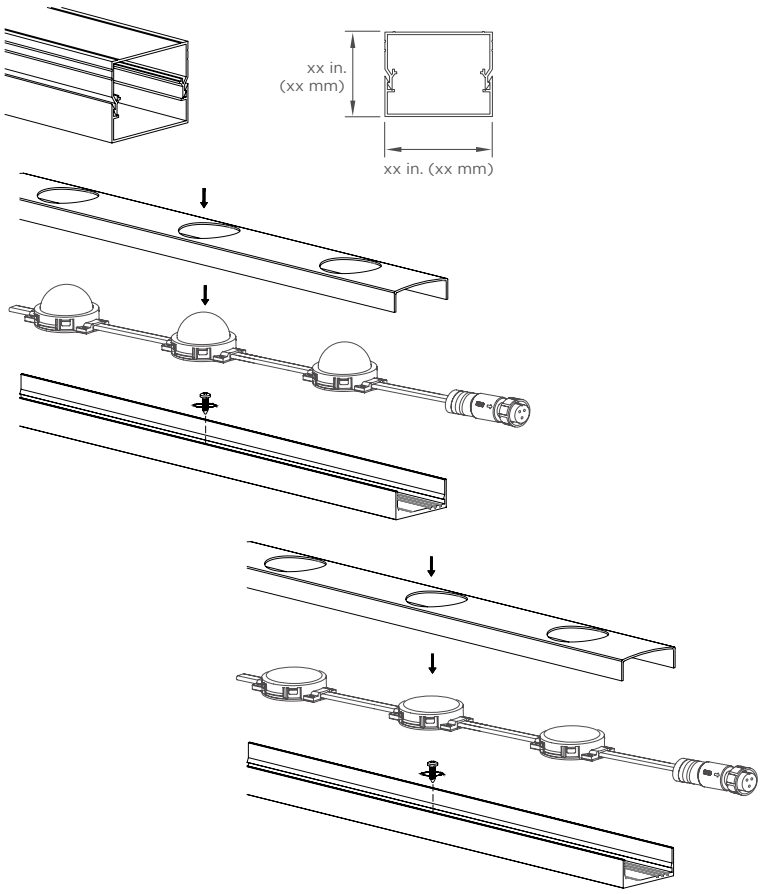
DIMENSIONS



MOUNTING HARDWARE

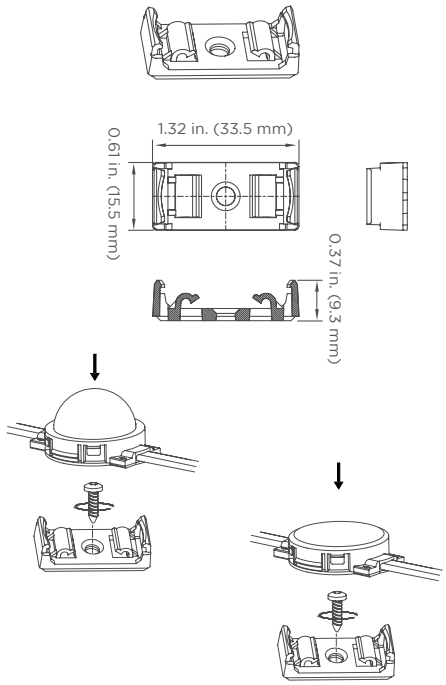
MOUNTING CHANNEL (length up to xx in. / xx m)

Part #:
CHADSV (silver finish)
CHADBK (black finish)



MOUNTING CLIP

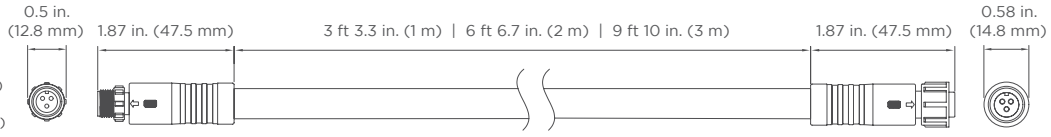
Part #:
ADMCBK (black finish)
ADMCWH (white finish)



ACCESSORIES

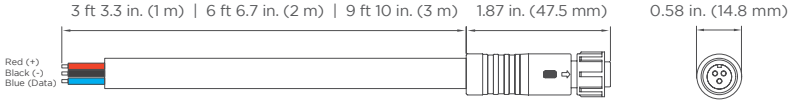
3-PIN MALE TO FEMALE JUMPER CABLE

Part #:
M12JUMPMF3PINBK1000 (3 ft 3.3 in. | 1 m, black finish)
M12JUMPMF3PINWH1000 (3 ft 3.3 in. | 1 m, white finish)
M12JUMPMF3PINBK2000 (6 ft 6.7 in. | 2 m, black finish)
M12JUMPMF3PINWH2000 (6 ft 6.7 in. | 2 m, white finish)
M12JUMPMF3PINBK3000 (9 ft 10 in. | 3 m, black finish)
M12JUMPMF3PINWHv3000 (9 ft 10 in. | 3 m, white finish)



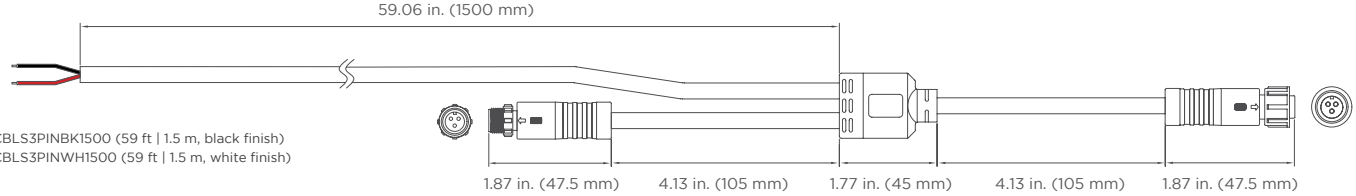
3-PIN FEMALE CONNECTOR TO BARE WIRE

Part #:
M12CBLFB3PINBK1000 (3 ft 3.3 in. | 1 m, black finish)
M12CBLFB3PINWH1000 (3 ft 3.3 in. | 1 m, white finish)
M12CBLFB3PINBK2000 (6 ft 6.7 in. | 2 m, black finish)
M12CBLFB3PINWH2000 (6 ft 6.7 in. | 2 m, white finish)
M12CBLFB3PINBK3000 (9 ft 10 in. | 3 m, black finish)
M12CBLFB3PINWH3000 (9 ft 10 in. | 3 m, white finish)



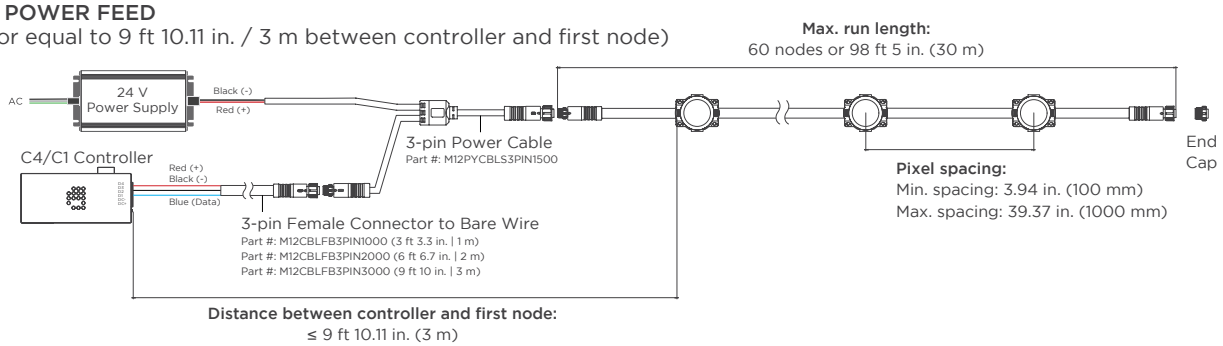
3-PIN POWER CABLE

Part #:
M12PYCBLS3PINBK1500 (59 ft | 1.5 m, black finish)
M12PYCBLS3PINWH1500 (59 ft | 1.5 m, white finish)



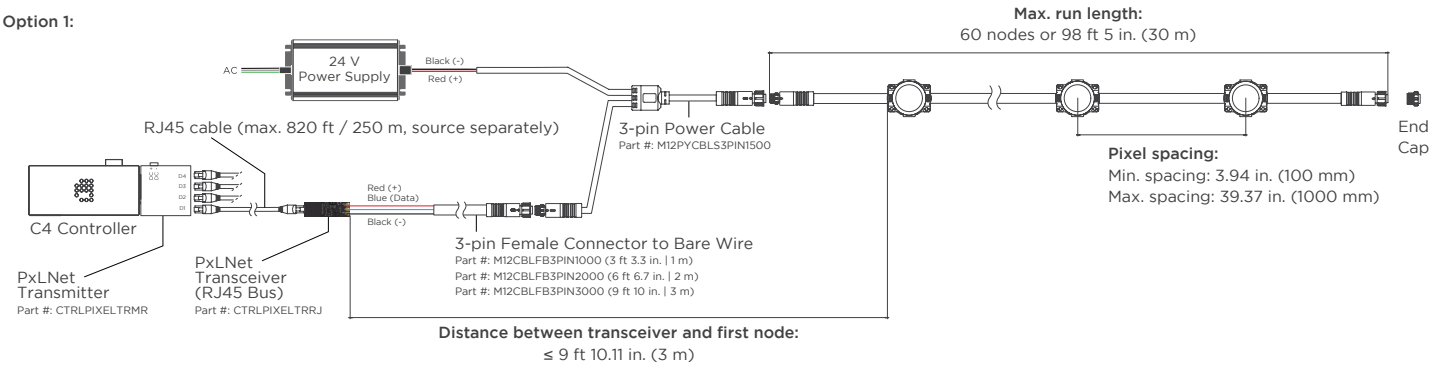
CONNECTION

A. SINGLE POWER FEED
(less than or equal to 9 ft 10.11 in. / 3 m between controller and first node)

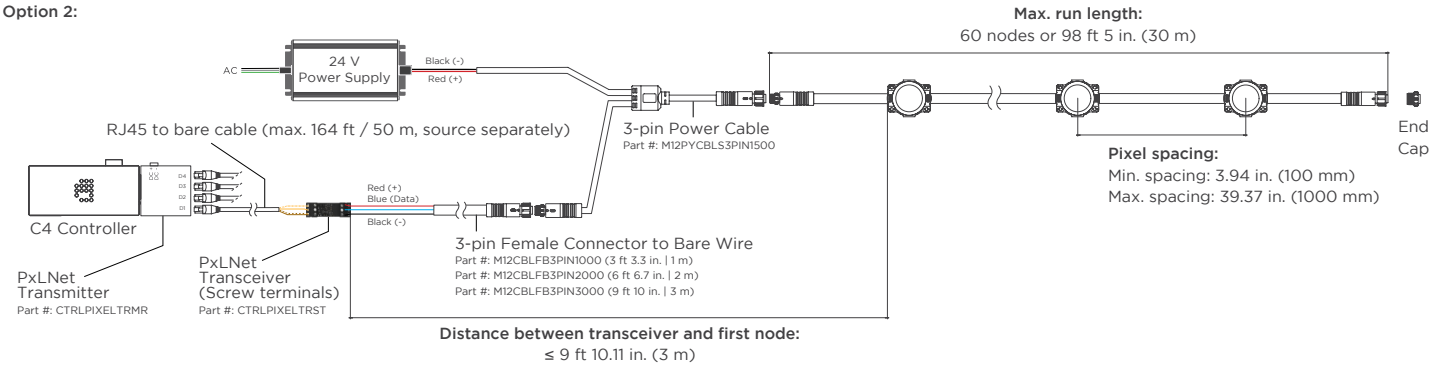


B. SINGLE POWER FEED (greater than or equal to 9 ft 10.11 in. / 3 m between controller and first node)

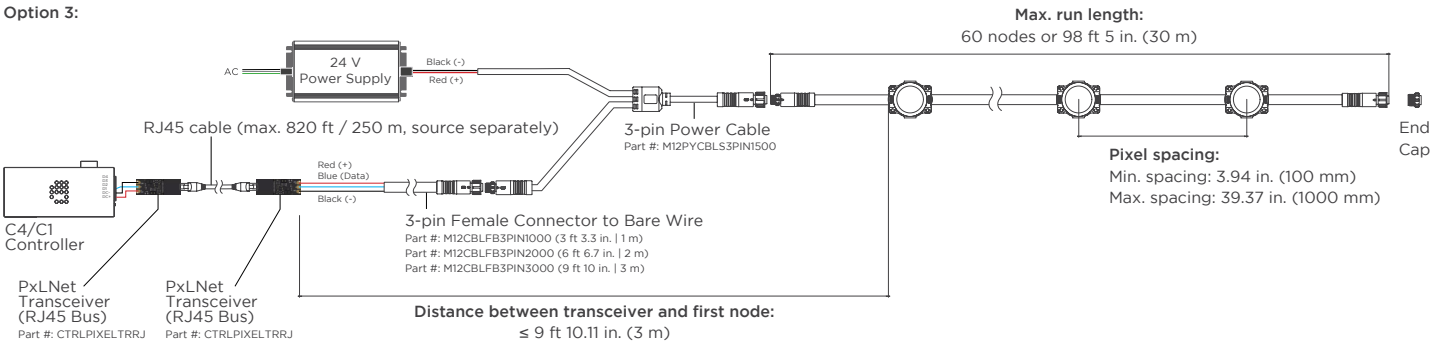
Option 1:



Option 2:



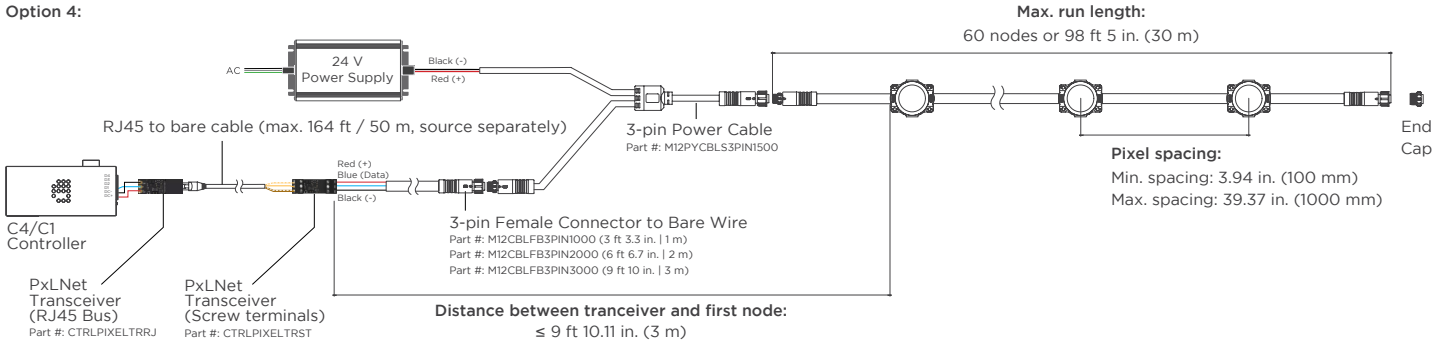
Option 3:



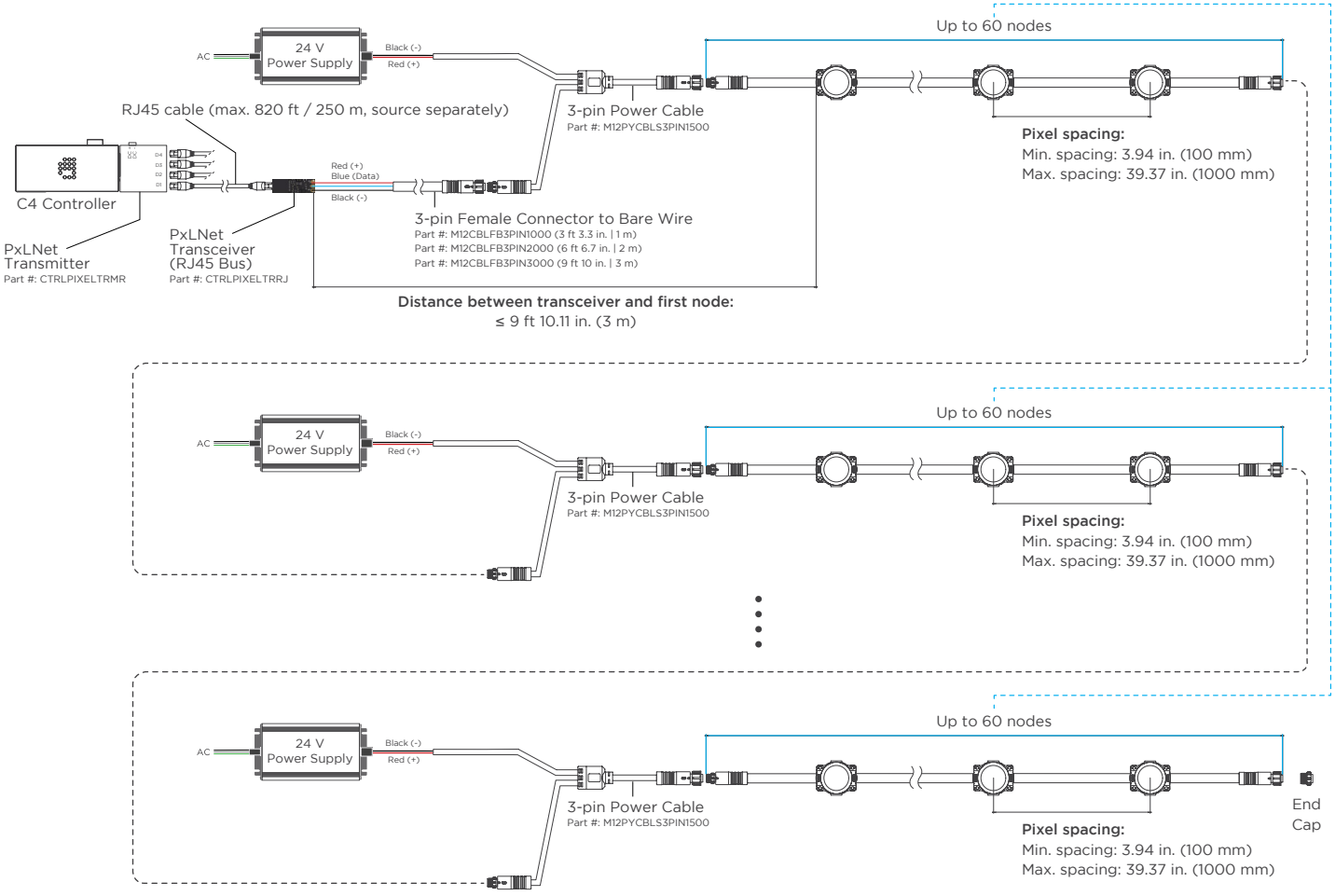
CONNECTION (continue)

B. SINGLE POWER FEED (greater than or equal to 9 ft 10.11 in. / 3 m between controller and first node)

Option 4:



C. WITH POWER INJECTION FOR LONGER RUNS (this method can be applied to all 4 connection options from B.)



REV.26NOV2025

GLOBAL HQ
320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ
Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ
PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ
Room 402, Building D
Shenshi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhu Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com