PENDANT DIRECT CHROMAWERX - SOLA AND DUO



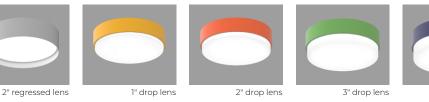
LUMENWERX

Up to 109 lm/W performance



DESCRIPTION

POP Color features a painted housing with a uniformly luminous diffuser that sits flush, regressed or drops up to 4" below. The diffuser and light engine form a fully enclosed unit secured by a twist-and-lock mechanism for easy maintenance with no exposed hardware. POP Color delivers up to 109 LPW and is available in nine standard housing colors. POP Color is an ideal vehicle for Chromawerx white tuning in education, office, and healthcare applications where modular luminaires are used.



Order Guide

| LUMINAIRE ID | SIZE | OPTIC | LENS POSITION | LIGHT SOURCE ¹ | CRI | LUMEN PACKAGE |
|--------------------------|---------------------|------------------|---------------------|--|--------------------|---------------------------------------|
| PCROPD | 24IN | ULO | | | | |
| PCROPD - Pop Color Round | 24IN - Ø 24" | ULO - Uniform | FH - Flush | SOLA - Dim-to-warm single | 80 - 80 CRI | 2500 - Min. low output 2500lm |
| Pendant Direct | | Lambertian Optic | 2R - 2" regressed | channel control 35K to 22K | 90 - 90 CRI | 3500 - Medium output 3500lm |
| | | | 1D - 1" drop | DUO - Tunable white | | 4500 - Max. high output 4500lm |
| | | | 2D - 2" drop | 2-channel control 65K to 27K | | #### - Other required Im |
| | | | 3D - 3" drop | | | |
| | | | 4D - 4" drop | ¹ Static white also available. Consult other spec sheet. | | |

| VOLTAGE | DRIVER ² | ELECTRICAL | MOUNTING | POWER CORD COLOR |
|-------------------|--|----------------------|------------------------------------|------------------------|
| | | 1 | 5WAC36 | |
| 120 - 120V | SOLA | 1 - 1 circuit | 5WAC36 - Power 5" white canopy | BPC - Black power cord |
| 277 - 277V | SDI - Single 0-10V input | | (36" aircraft cable) | WPC - White power cord |
| UNV - | DUO | | For all other options refer to our | |
| 120V-277V | DMX ³ - DMX, to specify see pages 7 to 12 | | Pendant Mounting Guide | |
| | DA ³ - DALI | | | |
| | DDI - Dual 0-10V input for CCT/intensity | | | |
| | PSQ0 ³ - Lutron T-Series 1% Tunable White | | | |
| | ² PoE (Power-over-Ethernet) compatible. Consult factory for details. ³ On-site commissioning is required. | | | |

| FINISH | OPTIONS |
|----------------------------------|-------------------|
| | |
| W - Matte white | FU120 - Fuse 120V |
| AL - Aluminum | FU277 - Fuse 277V |
| BK - Black | NA - None |
| RAL 1028 - Yellow | |
| RAL 2004 - Orange | |
| RAL 3020 - Red | |
| RAL 4010 - Magenta | |
| RAL 5002 - Blue | |
| RAL 6018 - Green | |
| CF# - Custom finish specify RAL# | |

Accessories Optional, order separately DMX WALL CONTROLLER *

WCW - Wall controller white WBW - Wall controller black

⁴ Available with DMX only. For more information, see pages 7 to 12, or consult factory.

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9 T (514) 225-4304 F (514) 931 -4862 www.lumenwerx.com



Lumenwerx reserves the right to modify product specifications without notification. © Lumenwerx, ULC. All rights reserved. POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2



4" drop lens

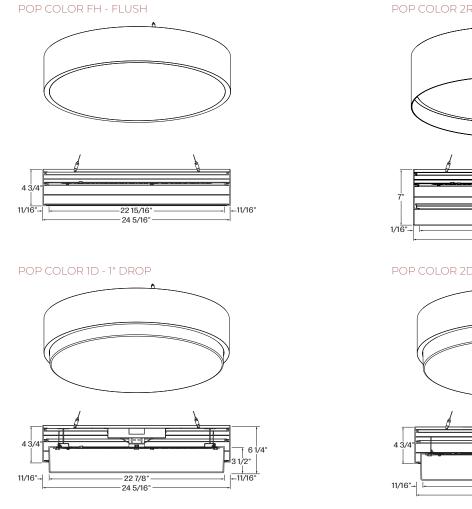
1/12

POP COLOR ROUND 24 🤇 LUMENWERX

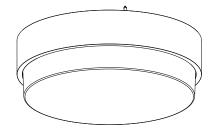


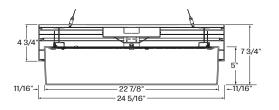
PENDANT DIRECT CHROMAWERX - SOLA AND DUO

Dimensions



POP COLOR 3D - 3" DROP

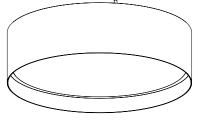


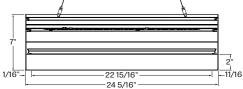


3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9 T (514) 225-4304 F (514) 931 -4862 www.lumenwerx.com

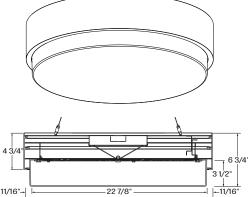
Intertek





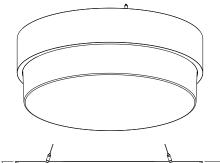


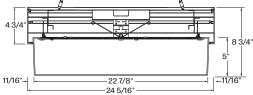




24 5/16

POP COLOR 4D - 4" DROP





Lumenwerx reserves the right to modify product specifications without notification. © Lumenwerx, ULC. All rights reserved. POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2



February 6, 2024

POP COLOR ROUND 24 🤇 LUMENWERX



PENDANT DIRECT CHROMAWERX - SOLA AND DUO

Photometrics

2500 LUMEN AT 80 CRI - LOW OUTPUT

| LED OUTPUT | COLOR TEMP | WATTS | NOMINAL DELIVERED LUMENS | EFFICACY LPW |
|------------|------------|-------|--------------------------|--------------|
| Low output | 2700K | 25 | 2500 | 100 |
| Low output | 3000K | 24.5 | 2500 | 102 |
| Low output | 3500K | 23.5 | 2500 | 106 |
| Low output | 4000K | 23 | 2500 | 109 |
| Low output | 5000K | 22 | 2500 | 114 |
| Low output | 6500K | 22 | 2500 | 113 |

3500 LUMEN AT 80 CRI - MEDIUM OUTPUT

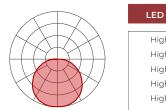
| LED OUTPUT | COLOR TEMP | WATTS | NOMINAL DELIVERED LUMENS | EFFICACY LPW |
|---------------|------------|-------|--------------------------|--------------|
| Medium output | 2700K | 36.5 | 3500 | 96 |
| Medium output | 3000K | 35.5 | 3500 | 98 |
| Medium output | 3500K | 34.5 | 3500 | 102 |
| Medium output | 4000K | 33.5 | 3500 | 105 |
| Medium output | 5000K | 32 | 3500 | 109 |
| Medium output | 6500K | 32 | 3500 | 109 |

4500 LUMEN AT 80 CRI - HIGH OUTPUT

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9

T (514) 225-4304 F (514) 931 -4862

www.lumenwerx.com



| LED OUTPUT | COLOR TEMP | WATTS | NOMINAL DELIVERED LUMENS | EFFICACY LPW |
|-------------|------------|-------|--------------------------|--------------|
| | | | (=== | |
| High output | 2700K | 48.5 | 4500 | 93 |
| High output | 3000K | 47.5 | 4500 | 95 |
| High output | 3500K | 46 | 4500 | 98 |
| High output | 4000K | 44.5 | 4500 | 101 |
| High output | 5000K | 43 | 4500 | 105 |
| High output | 6500K | 43 | 4500 | 105 |





POP COLOR ROUND 24 🔀 LUMENWERX



PENDANT DIRECT CHROMAWERX - SOLA AND DUO

Technical Specifications

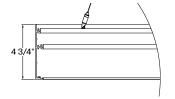
OPTIC

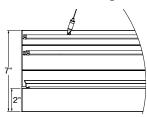
Uniform Efficiency Lambertian Optic (ULO)

Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the mounting surface.

LENS POSITION

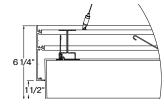
Pop Color Round 24 pendant is available in 6 lens configurations.

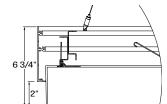




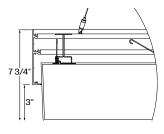
PCROPD + 2R - 2" regressed lens

PCROPD + FH - Flush lens





PCROPD + 1D - 1" drop lens



PCROPD + 3D - 3" drop lens



PCROPD + 2D - 2" drop lens

PCROPD + 4D - 4" drop lens

8 3/4'

л

LIGHT SOURCE

Custom array of alternating color temperature mid-flux LED's are mounted directly to the housing for optimal thermal performance. For the Duo products, a color temperature range from 6500K-2700K is achievable with color points on or below the black body curve. For the Sola products, a color temperature range from 3500K-2200K is controlled synchronously with intensity. Color consistency between fixtures is maintained to within 3SDCM. LEDs are operated at reduced drive current to optimize efficacy and lumen maintenance.

All LED's have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

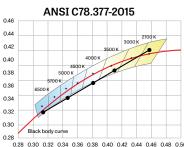
CHROMAWERX - TUNABLE WHITE

Chromawerx Sola

It is a single-channel control that dims output while warming the color temperature in a pre-determined relationship. A simple analog control sends a common signal to dual output digital drivers, which are programmed to adjust a specially populated LED array to emulate the effect of dimming a filament source. Dimming range is programmable but the default option runs from 3500K at 100% of full power to 2200K at 5% of full power. CRI is maintained above 80 throughout the dimming range.

Chromawerx Duo

It is a two-channel control. It uses an analog (0-10V) protocol for separate control of luminaire CCT and intensity or a digital (DMX, DALI and PSQ0) protocol for synchronous control of both warm and cool LED arrays to enable the user to set color temperature and light output. Commonly called "tunable white", Chromawerx two-channel control provides the range of cool (6500K) to warm (2700K) color that can be useful for helping to entrain circadian rhythms, stimulate alertness for improved educational and work productivity, and compensate for jet lag, among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. CRI is maintained above 80.









Lumenwerx reserves the right to modify product specifications without notification. © Lumenwerx, ULC. All rights reserved. POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2



February 6, 2024

POP COLOR ROUND 24 🚺 LUMENWERX



PENDANT DIRECT CHROMAWERX - SOLA AND DUO

ELECTRICAL

SOLA SD1

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Using a single 0-10V control signal, the light output warms in color temperature as it dims down to 1% and 2200K. At maximum driver load, efficiency<86%, PF>0.9, THD<20%.

DUO

DMX

Factory-set adjustable output current electronic driver with 120-277V AC line input. Using DMX wall controls (optionally supplied by Lumenwerx) or an existing DMX control system, both channels of LEDs are independently adjustable. Each DMX driver can be independently addressed using the built-in RDM (Remote Device Management) in the field. Dimming down to 1% is attainable. Rated life (90% survivorship) of 50,000 hours at 50°C maximum ambient temperature. At maximum driver load, efficiency<84%, PF>0.9, THD<20%.

DALI

Factory-set adjustable output current electronic driver with 120-277V AC line input. Using an existing DALI control system (supplied by others), one control channel adjusts the fixture color temperature, and the other control channel adjusts fixture brightness. Dimming down to 1% is attainable. Rated life (90% survivorship) of 50,000 hours at 50°C maximum ambient temperature. At maximum driver load, efficiency<84%, PF>0.9, THD<20%.

DD1

Factory-set adjustable output current LED driver with universal (120-277VAC) input. Controlled via two individual 0-10V signals, one for setting light output down to a minimum of 1% and the other for adjusting the CCT (default range of 6500K-2700K). Rated life of 50,000 hours at 70°C maximum driver case temperature and 100% load conditions. Typical efficiency of 86%, PF>0.9, THD<20% at 100% load conditions.

PSQ0

Lutron T-Series 2-Channel tunable white drivers enable highperformance human centric lighting (HCL) applications. Digital control of color temperature (CCT) and intensity are achieved when used with the ESN T-Series tunable white controller as a part of a Lutron Quantum System.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire, or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a caseby-case basis.

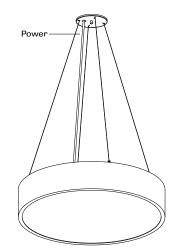
3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9

T (514) 225-4304 F (514) 931 -4862

MOUNTING OPTION

Fixtures are pendant-mounted, using aircraft cables. Unless otherwise specified, Lumenwerx provides the following hardware: For cable-mounted fixtures - 5WAC36, 5" white canopy with a 36" cable.

For all other options, see our website for a detailed Pendant Mounting Guide



Interior - 95%, reflective, matte white powder coating Exterior - Side trim is offered in a range of vibrant color powder coating.









PENDANT DIRECT CHROMAWERX - SOLA AND DUO

CONSTRUCTION

Housing - Rolled and seamlessly welded aluminum extrusion .125in thick, wide variety of colored powder coating Diffuser - Uniform Lambertian Optic, thermoformed impact modified acrylic, completely enclosed

WEIGHT

RD 24 Flush, 1D, 2D - 16.26lbs - 7.39kg RD 24 2R, 3D, 4D - 17.16lbs - 7.8kg

CERTIFICATION

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

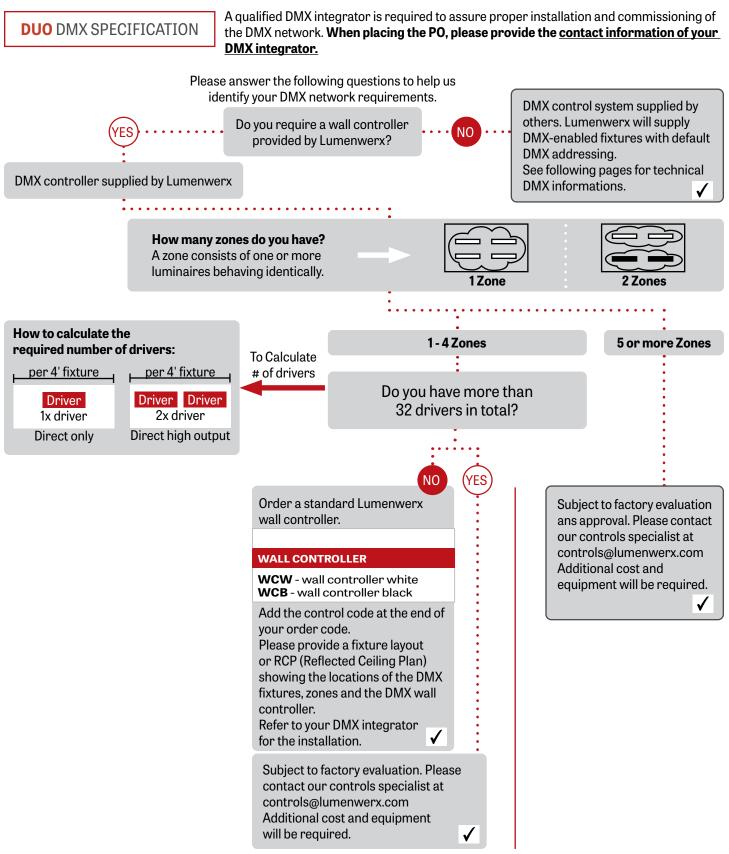
Wall controllers are covered by the manufacturer warranty.







PENDANT DIRECT CHROMAWERX - SOLA AND DUO





Lumenwerx reserves the right to modify product specifications without notification. © Lumenwerx, ULC. All rights reserved. POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2

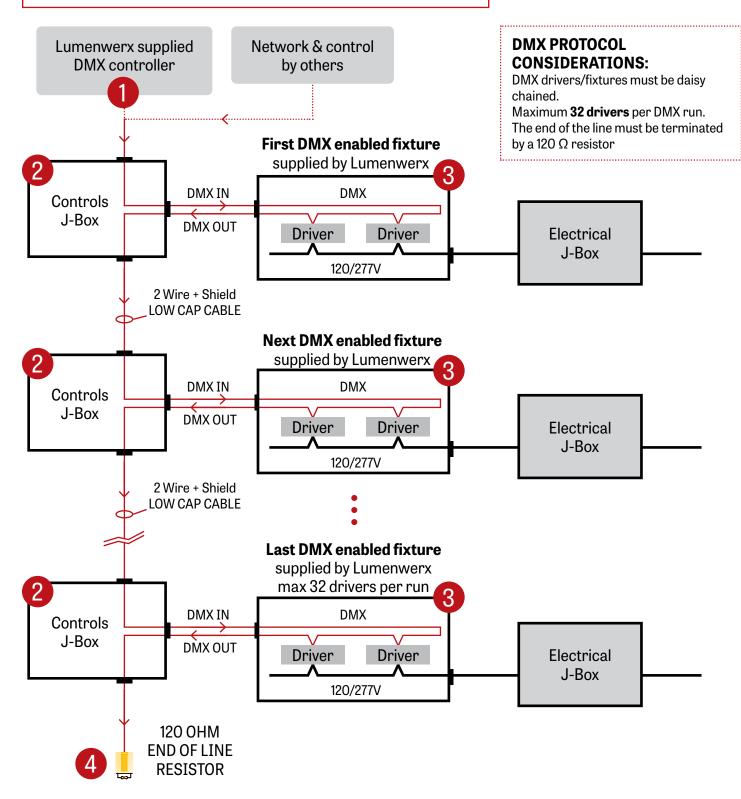


POP COLOR ROUND 24 🔀 LUMENWERX



PENDANT DIRECT CHROMAWERX - SOLA AND DUO

GENERIC DMX NETWORK ARCHITECTURE



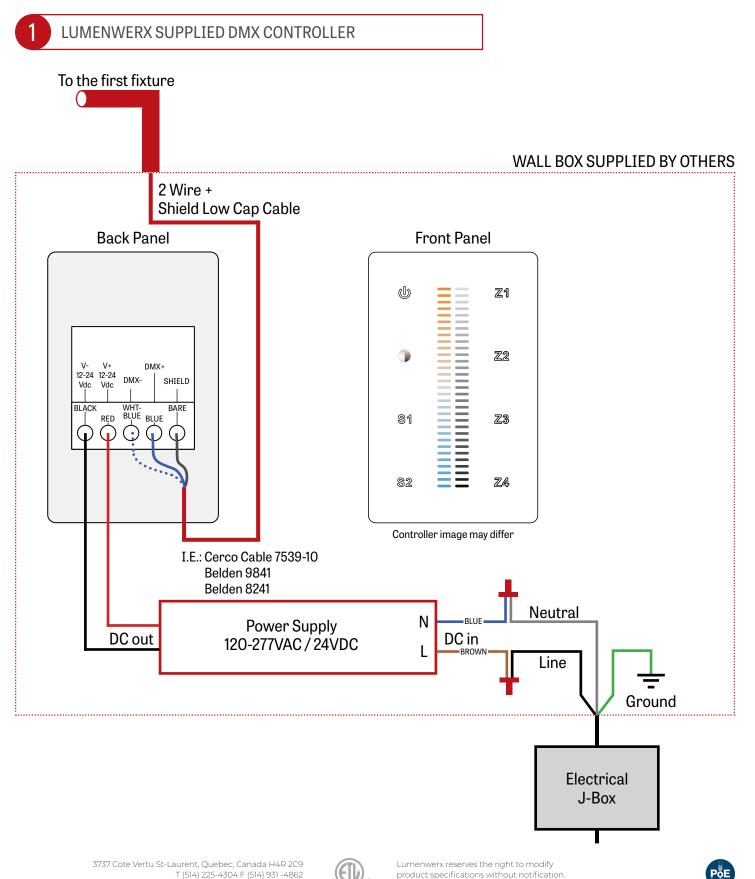


Lumenwerx reserves the right to modify product specifications without notification. © Lumenwerx, ULC. All rights reserved. POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2

pop color round 24 🛛 🔀 Lumenwerx



PENDANT DIRECT CHROMAWERX - SOLA AND DUO



© Lumenwerx, ULC. All rights reserved.

POPCOLOR-24-TW-ROUND-PENDANT-SPEC-REV2

www.lumenwerx.com

Intertek

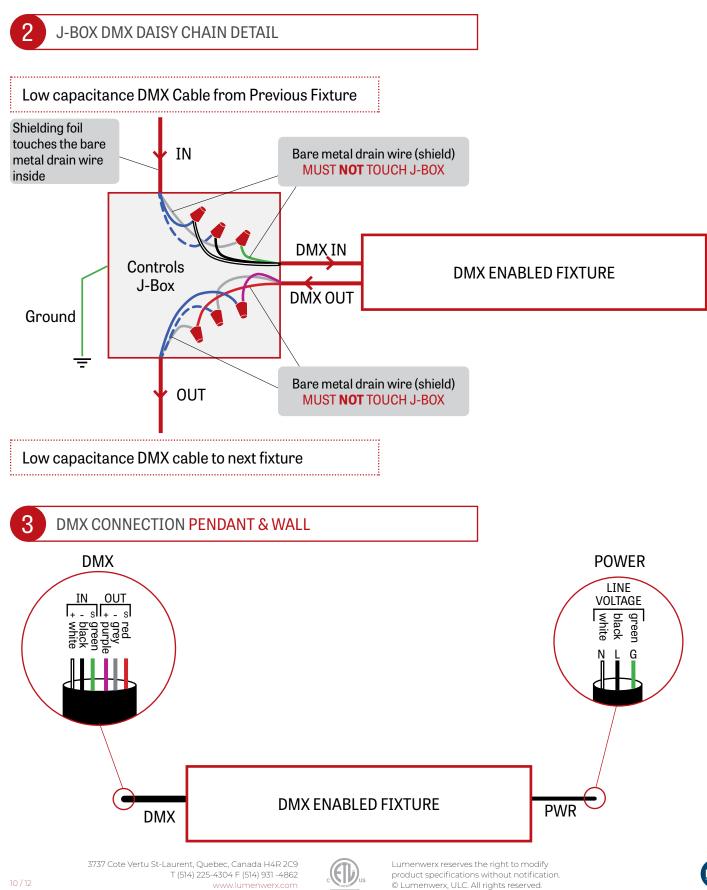
9/12

POP COLOR ROUND 24 🛛 🚺 LUMENWERX



PENDANT DIRECT

CHROMAWERX - SOLA AND DUO



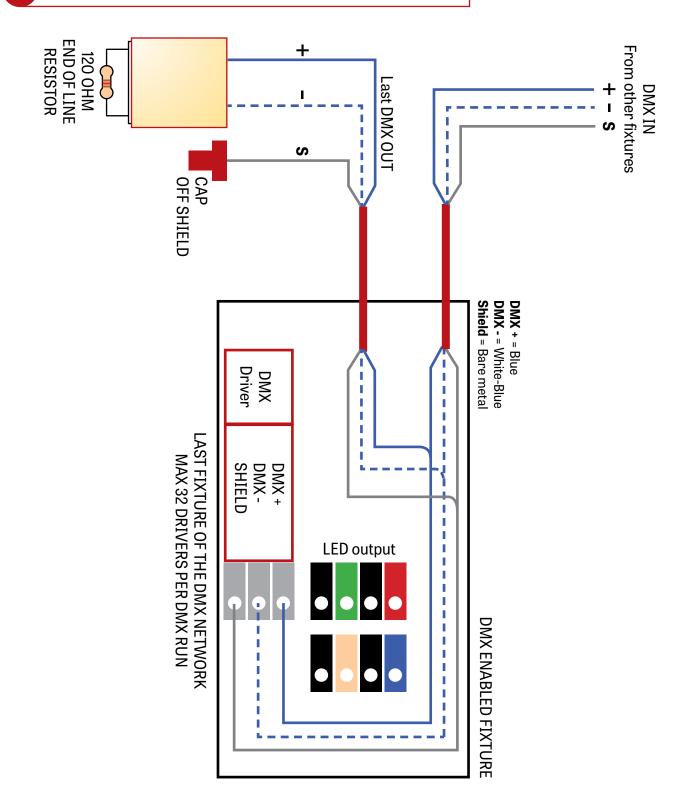
Intertek



PENDANT DIRECT CHROMAWERX - SOLA AND DUO



DMX LAST FIXTURE DETAIL





3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9

T (514) 225-4304 F (514) 931 -4862

www.lumenwerx.com

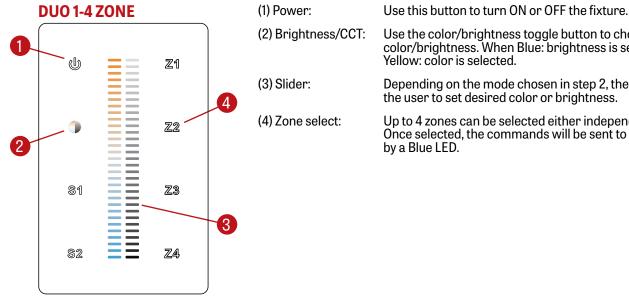


POP COLOR ROUND 24 🔀 LUMENWERX



PENDANT DIRECT CHROMAWERX - SOLA AND DUO

DMX WALL CONTROLLER



| s/CCT: | Use the color/brightness toggle button to choose between color/brightness. When Blue: brightness is selected, when Yellow: color is selected. | | | | |
|--------|---|--|--|--|--|
| | Depending on the mode chosen in step 2, the slider will allow the user to set desired color or brightness. | | | | |
| et: | Up to 4 zones can be selected either independently or together. Once selected, the commands will be sent to the zone identified | | | | |

Default DMX Addresses: 1 Warm 2 Cool



