CURA

WALL OVERBED LIGHT FOR HEALTHCARE

Project: _____

Type: _____

Cura offers multi-function lighting with independently controllable indirect ambient and direct reading illumination from the bedhead. Chromawerx SOLA and DUO provide dim-to-warm and full-range tunable white capabilities.

Cura's compact and durable form, combined with multiple light sources and control options, makes this luminaire particularly well suited to a variety of healthcare environments, including senior living and patient rooms with separate exam illumination. Cura is also available in static white and BIOS with full exam and night light functions (see separate spec sheet).

Code

LUMINAIRE ID	LENGTH	LIGHT SOURCE	CRI	READING (DIRECT)	AMBIENT (INDIRECT)
CUR	**4FT**				
CUR - Cura, wall mounted bedlight for health care	**4FT** - 4'	**SOLA** - Dim-to-warm single channel control 35K to 22K **DUO** - Tunable white 2-channel control 65K to 27K	**80CRI** - 80 CRI **90CRI** - 90 CRI	**REH** - High output 750 lm/ft **REM** - Medium output 500 lm/ft **REL** - Low output 350 lm/ft	**AMBH** - High output 500 lm/ft **AMBL** - Low output 350 lm/ft **AMBNA** - No ambient

FUNCTION CONTROL [1]	VOLTAGE	FINISH
SOLA **SD1** - Single 0-10V input DUO **DMX** [2, 3] - DMX **DDA** [3] - DALI DT6 **DDA8** [3] - DALI DT8 **DD1** - Dual 0-10V input for CCT/intensity **PSQ0** [3] - Lutron T-Series 1% Tunable White	**120V** - 120V **277V** - 277V **UNV** - 120V-277V	**W** - Matte white **AL** - Aluminum **WA** - White antimicrobial Silverwerx **CF#** - Custom finish, specify RAL#

[1] PoE (Power-over-Ethernet) compatible. Consult factory for details.
[2] For more information, see pages 5 and 6.
[3] On-site commissioning of functions is required.

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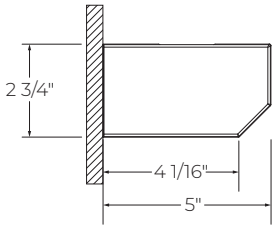
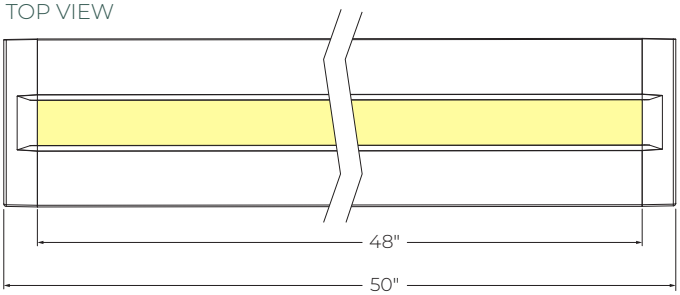
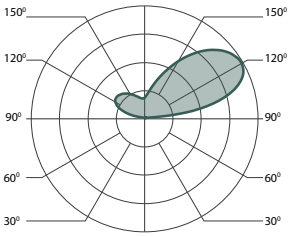
Dimensions



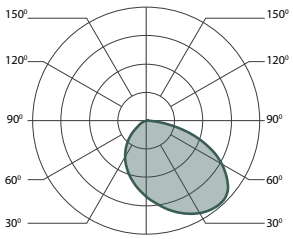
TOP VIEW



Photometrics



Ambient
Dimmable



Reading
Dimmable

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Technical Specifications

OPTICS

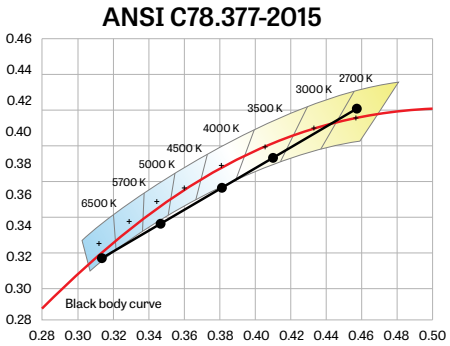
Bottom compartment (reading functions) use a High-Efficiency Lambertian Optic (HLO). Upper compartment (ambient) is edge-lit with a prismatic micro-optic (PMO) light guide.

LIGHT SOURCE

Custom linear array of alternating color temperature mid-flux LEDs 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 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance.
All LEDs 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 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. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.



FUNCTION CONTROL

SOLA

SD1
Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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 120-277 VAC 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%.

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DALI
Factory-set adjustable output current electronic driver with 120-277 VAC 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. With DALI Type 6, two DALI addresses are required to control both channels. With DALI Type 8, one DALI address is required to control both channels. 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 (120-277 VAC) 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 high-performance 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), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

MOUNTING
Cura comes complete with a die-cast aluminum wall bracket for easy installation.

FINISH
Matte white, aluminum, or white antimicrobial Silverwerx powder coating. Custom finishes are also available.

CONSTRUCTION
Housing: Extruded aluminum. Complete with spring loaded cover for ease of installation and maintenance.
End caps: Die-cast aluminum
Reflector: Specular reflector

LENGTH
The fixture has a standard length of 4'.

WEIGHT
16 lbs - 7.25 kg

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.

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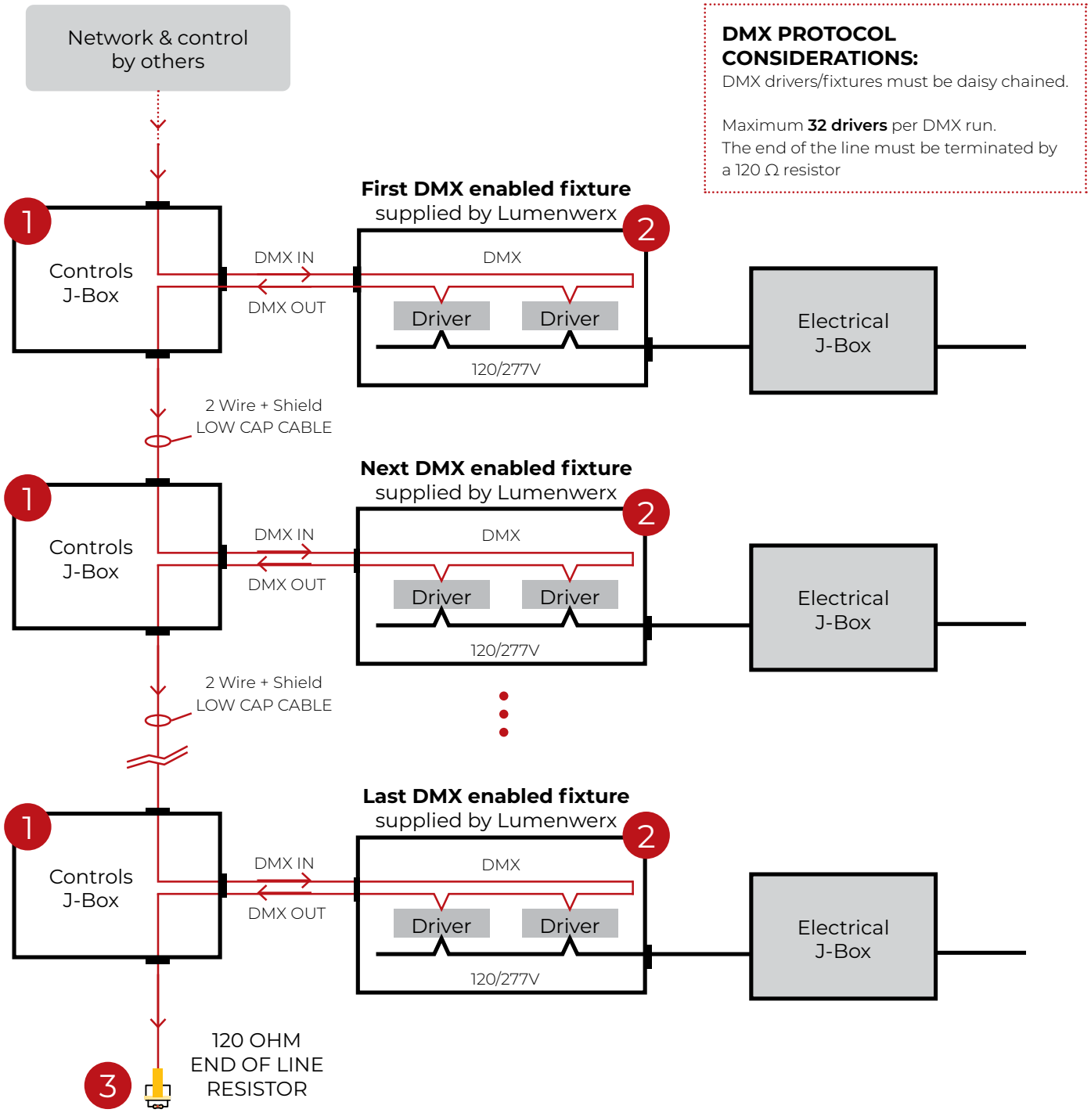
GENERIC DMX NETWORK ARCHITECTURE



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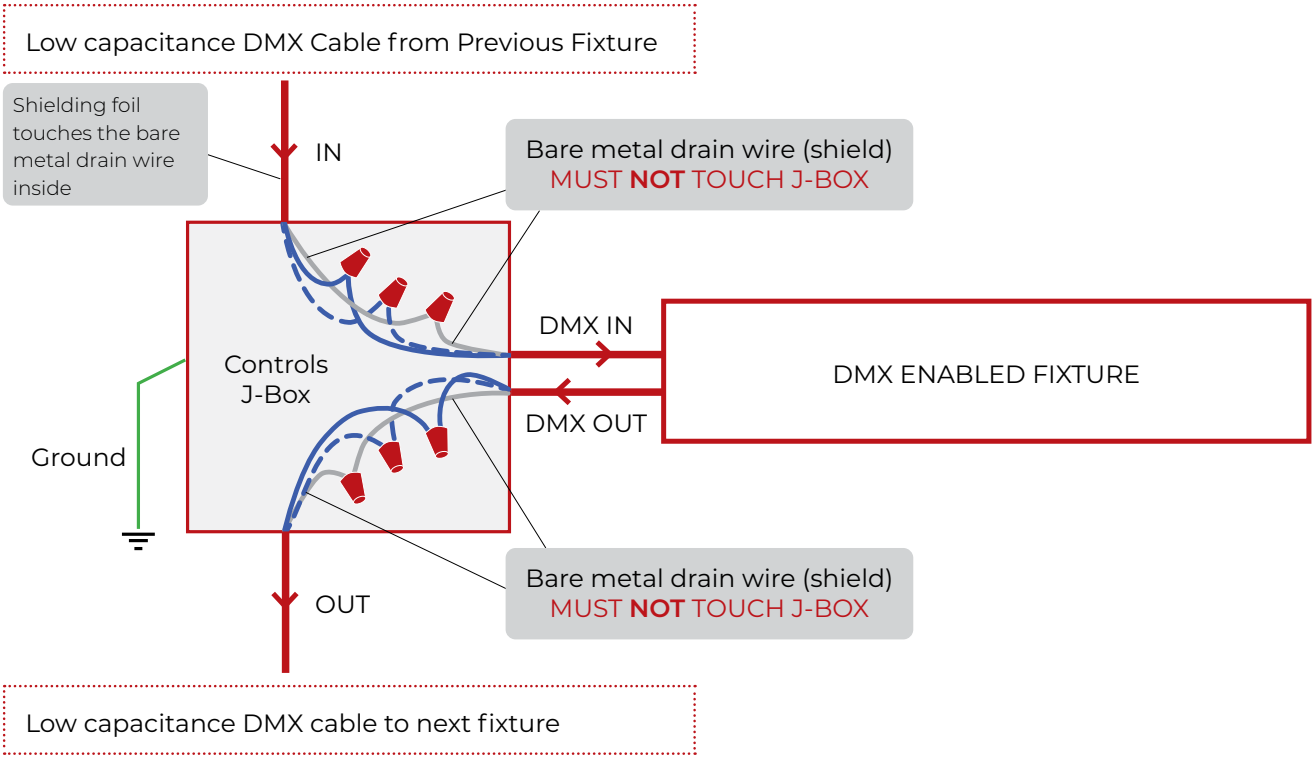
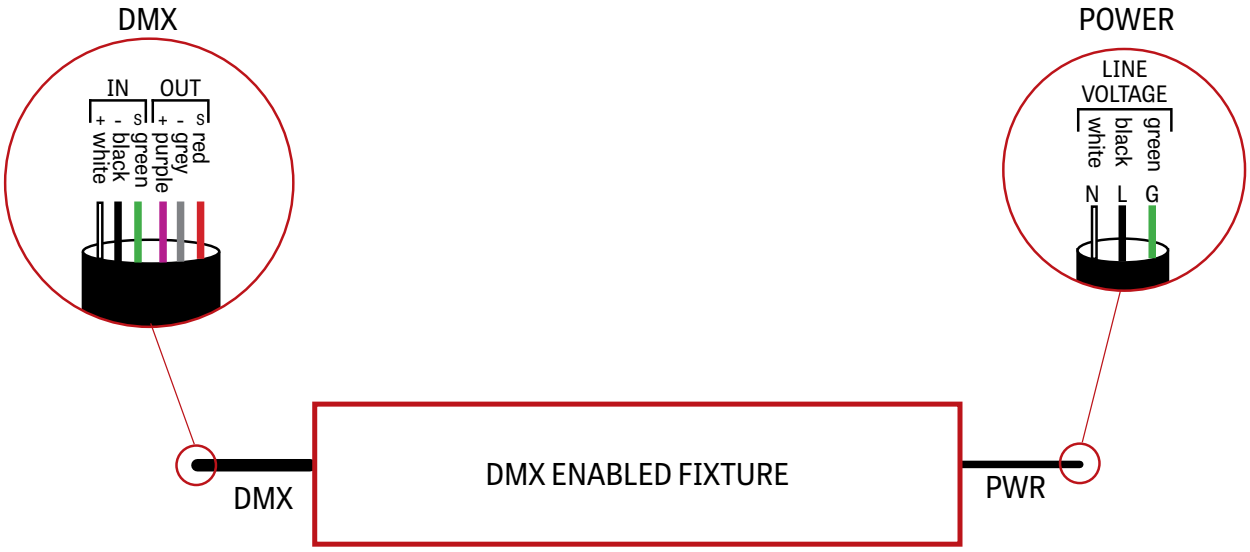
1 J-BOX DMX DAISY CHAIN DETAIL



2 DMX CONNECTION WALL



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