

24VDC, OUTDOOR | 5W | STATIC WHITE, WARM DIM & TUNABLE WHITE



REV 04.23.25

ASSEMBLED IN AMERICA

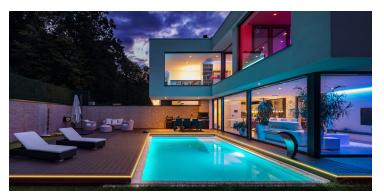


DESCRIPTION

Channel Neon is our Flex Neon fixture shipped within a channel for ease of installation. Channel Neon comes with a 0.5" wide Flat lens, offering superior color rendering while creating uniform illumination without visible diodes. May be surface or flush mounted. Choose from multiple color temperatures, including two Warm Dim options of 2400K (24D) or 2700K (27D) and Dynamic Tunable White (2K6K or 27K6). Tunable White 2000K-6500K (2K6K) or 2700K-6500K (27K6) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). 2K6K is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, 27K6 promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Use with two dimmers or, our proprietary Tunable White Controller (CDMX-1) for fast and accurate adjustment with three pre-set scenes (Ordered separately). The (W) is an IP67 rated wet location fixture featuring watertight barrel connections. Patent pending. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

SPECIFICATIONS

INPUT	24VDC with 5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	5 watts per foot
INCREMENTS	2.4" or 3"
MAX LENGTH	5W - 10'
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-4° F (-20° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year pro-rated
COMPLIANCE	Class 2 Wiring Indoor Applications, Outdoor
	Wet Location with Water Tight Barrel
	Connectors IP67 Rated, ETL listed



LUMEN PERFORMANCE AT 2700K 5W PER FOOT

(SEE COMPLETE CHART PG 2)

	L)		
LUMEN OUTPUT	212 lm/ft	EFFICIENCY	46 lm/watt
CRI	92	R9	76
Rf	89.5	Rg	98.3
BEAM ANGLE	120°	BEAM TOLERANCE	+/- 30CCT

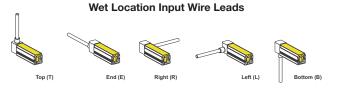
REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

STATIC WHITE & WARM DIM

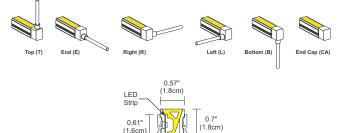
• UNI Driver: Universal Dimming (TRIAC, ELV, 0-10V)

TUNABLE WHITE

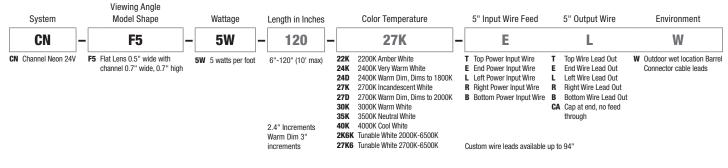
- <u>0-10V</u>: Requires two dimmers, one for intensity and one for color temperature
- <u>DMX Dynamic Color Changing:</u> Must be used with PureEdge <u>Controllers</u>
 "In-Wall Mounting Kits available for select power supplies



Wet Location Output Wire Leads



0.7" (1.8cm) Bottom



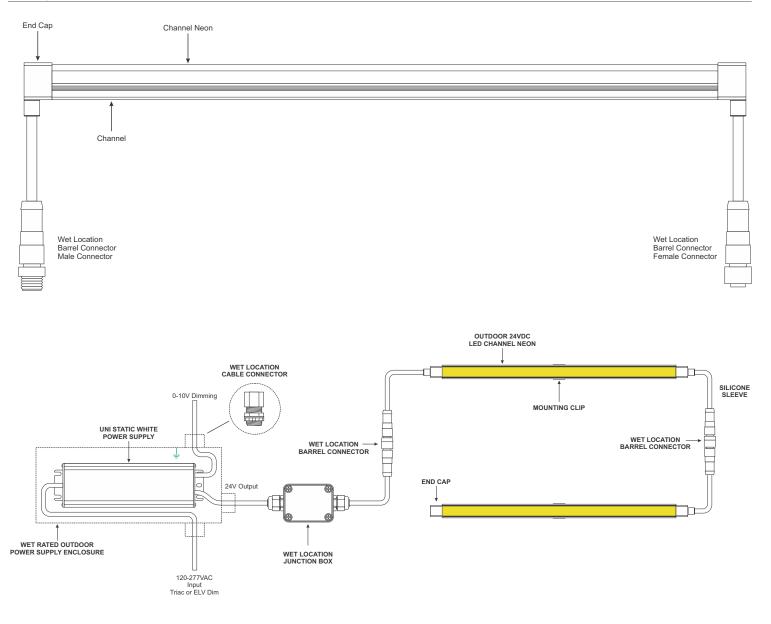


NOMINAL LAMP DATA The average LED Life is 50,000 hours.

		CN-F5														
WATTS PER FOOT								5	w							
COLOR TEMPERATURE	:	22K		24K		24D*		27	7K		27D*		30K		35K	[
LUMENS PER FOOT (Im/ft)		174		184		271		212 271			232		265	i		
LUMENS PER WATT (lm/w)		38		42		56		4	6		56		50		58	
CRI		92		92		93		9	2		93		84		85	
				TUNA	BLE WHITE	2K6K						TUNA	BLE WHITE	27K6*		
WATTS PER FOOT					5w								5w			
COLOR TEMPERATURE	18K	20K	24K	27K	30K	35K	40K	54K	63K	24K	27K	30K	35K	40K	54K	63K
LUMENS PER FOOT (Im/ft)	170	157	175	191	213	238	188	177	180	164	168	174	181	188	177	180
LUMENS PER WATT (Im/w)	37	34	38	42	46	52	44	44	45	41	42	43	44	44	44	45
CRI	92	92	92	93	92	92	84	84	85	92	93	92	92	84	84	85

*Warm Dim & Tunable White has a variance in color temperature due to the curvature of the material.

Drawings: Dimensions for the Channel Neon



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Accessories: Indoor Light Channel .6 Surface Mount, order based on lighting design or as replacement parts

0.6' (1.5cm

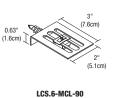
0.8'

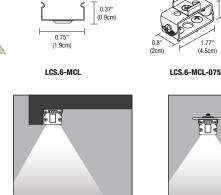
ininin:

1.77'



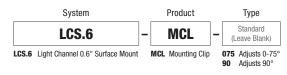
LCS.6-MCL

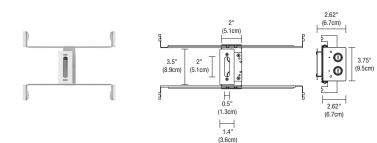




MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75°. LC-MCL-90 mounts Light Channel at a 90° angle.





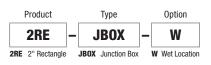
1" RECTANGLE CANOPY & J-BOX

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.





Wet-rated low voltage Splice Box with connectors.



2.23" 1.95 (5.7cm) (5cm) 2 57 4 2" (10.7cm) (6.5cm) Тор Profile

WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.





PROJECT

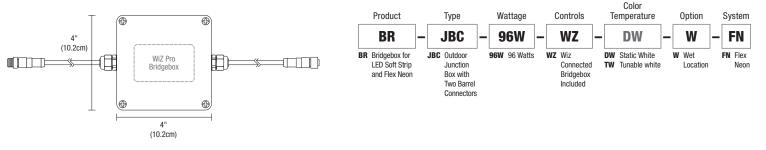
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PURE SMART WET LOCATION JUNCTION BOX WITH 8FT POWER CABLE AND WIZ PRO UR BRIDGEBOX

This watertight Junction Box is especially designed for lighting in wet and damp locations. The Junction Box comes standard with a 8ft of outdoor cable and both male and female barrel connectors providing easy, safe, and reliable connections for 24V low voltage luminaires. Included with the Junction Box is one WiZ Pro type Bridgebox allowing wireless control of Flex Neon. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.





DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

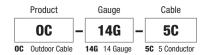
Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.





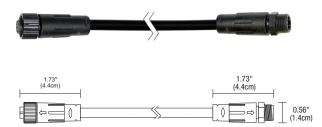
WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length. Keep within 50 ft between fixture and power supply.





W Wet Location



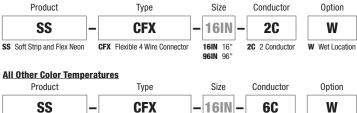
1.73" (4.4cm)

POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.



SS Soft Strip and Flex Neon



16IN 16'

96IN 96'

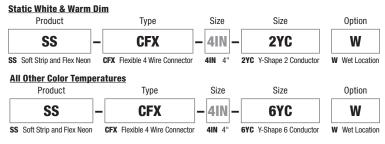
6C 6 Conductor

CFX Flexible 4 Wire Connector

1.73" 1.44cm) 1.44cm) 1.46° 1.46° 1.46° 1.46° 1.46° 1.46° 1.46° 1.46° 1.46° 1.73° (4.4cm) 0.56° 1.4cm) 0.56° 1.4cm) 0.56° 1.4cm) 0.56°

WET LOCATION T-CONNECTOR

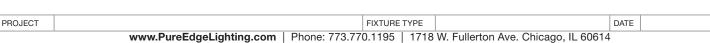
Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.



TIE STRAP

Use for mounting to poles for extra support, every 6"-12" (30 per package).



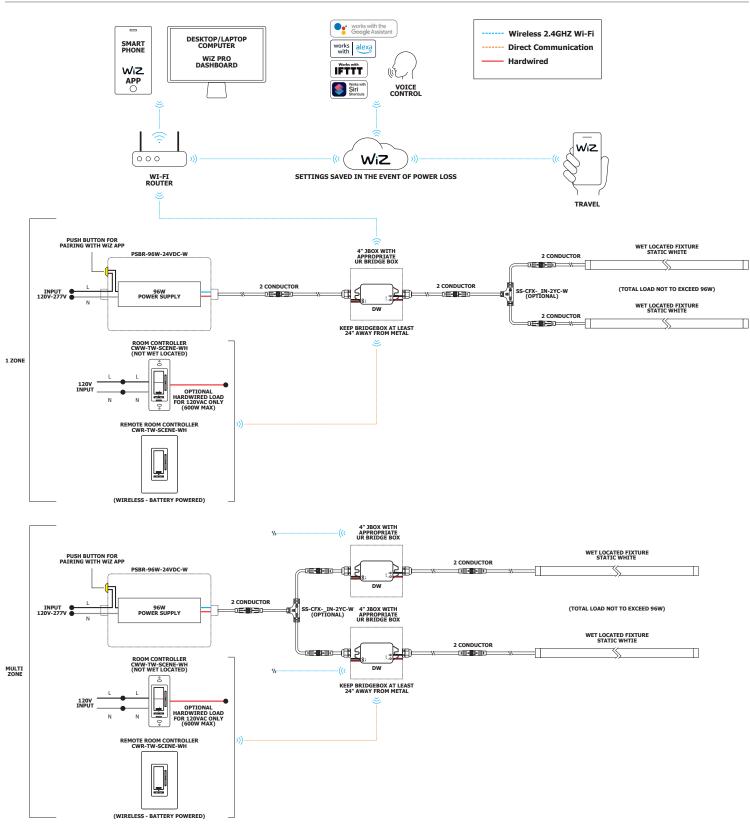


5

PURE EDGE

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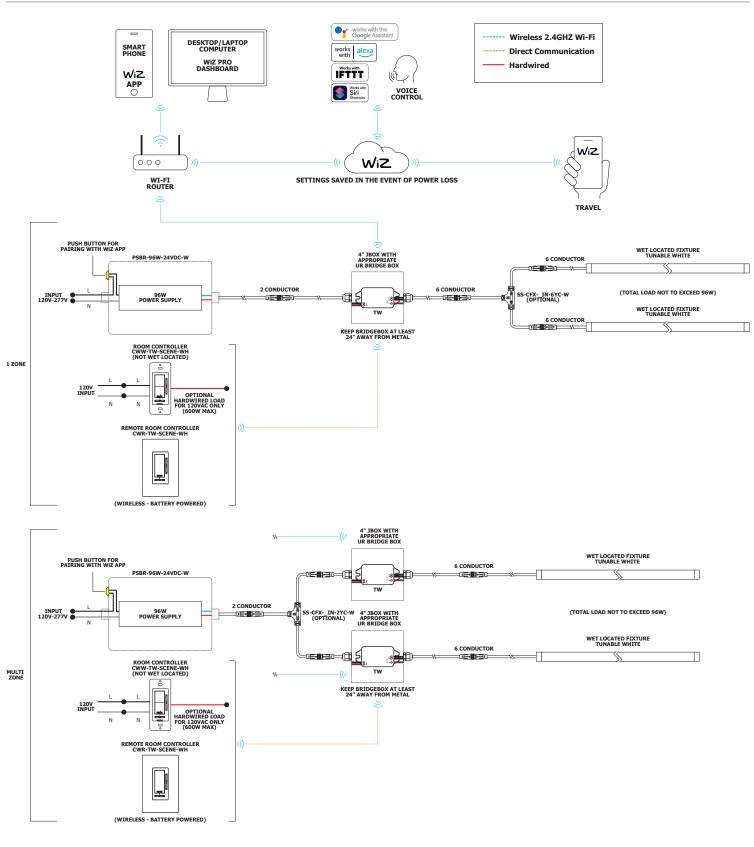
NETWORK TOPOLOGY



PURE EDGE

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NETWORK TOPOLOGY

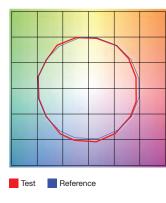


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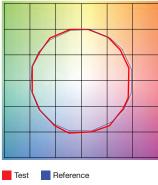
TM-30-15 DATA: The data below is for ST2A, ST5A, ST7A and ST10A bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2200K | Rf: 90.5 | Rg: 99.9 Color Vector Graphic



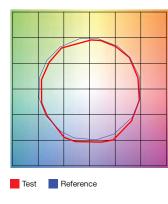
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	88.3	-5.2%	1.0%
2	90.1	-3.6%	3.7%
3	87.5	-0.5%	5.6%
4	93.9	-1.2%	1.3%
5	94.7	0.7%	2.1%
6	93.7	2.6%	0.7%
7	93.5	-1.5%	-2.2%
8	97.8	-0.4%	-0.2%
9	93.7	-1.5%	2.4%
10	90.8	-0.8%	4.9%
11	89.3	3.7%	5.4%
12	90.2	4.6%	1.0%
13	89.0	4.4%	-9.7%
14	75.4	0.6%	-15.1%
15	90.7	-1.7%	-5.0%
16	84.2	-4.4%	-9.1%

2700K | Rf: 89.5 | Rg: 98.3 Color Vector Graphic



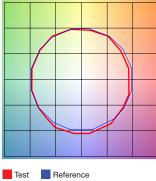
			GRAPHIC	SHIFTS %
	HUE BIN	Rf	CHROMA	HUE
_	1	88.6	-5.2%	0.9%
	2	90.3	-3.6%	2.9%
	3	88.4	-1.5%	5.0%
	4	91.9	-2.5%	1.4%
	5	93.5	-0.9%	2.3%
	6	95.7	0.9%	-0.4%
	7	91.1	-3.7%	-0.5%
	8	95.8	-2.0%	0.4%
_	9	90.5	-2.6%	4.5%
	10	84.9	-1.1%	8.7%
	11	85.0	2.3%	9.8%
	12	88.1	5.5%	1.5%
	13	90.9	2.9%	-5.2%
	14	86.2	4.3%	-8.9%
	15	90.7	-2.4%	-3.6%
	16	83.0	-2.7%	-11.3%

3500K | Rf: 88.1 | Rg: 97.1 Color Vector Graphic



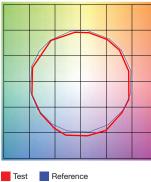
		GRAPHIC	SHIFTS %
HUE BIN	Rf	CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

2400K | Rf: 90.2 | Rg: 99.3 Color Vector Graphic



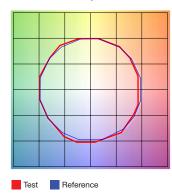
٦			GRAPHIC	SHIFTS %
	HUE BIN	Rf	CHROMA	HUE
-	1	89.0	-4.8%	1.1%
	2	90.4	-3.7%	3.2%
	3	88.1	-0.7%	5.2%
1	4	93.0	-2.1%	0.9%
	5	94.5	-0.1%	2.0%
-	6	94.7	1.7%	0.6%
	7	93.7	-1.9%	-1.5%
	8	96.8	-1.2%	0.2%
-	9	91.9	-1.8%	3.7%
	10	88.8	-0.9%	6.1%
	11	87.5	3.8%	7.1%
	12	89.6	4.3%	0.3%
	13	88.1	4.2%	-9.1%
	14	82.5	2.8%	-10.6%
	15	91.4	-2.1%	-4.2%
	16	84.0	-3.6%	-9.9%

3000K | Rf: 88.7 | Rg: 98.2 Color Vector Graphic



			GRAPHIC	SHIFTS %
	HUE BIN	Rf	CHROMA	HUE
-	1	88.3	-5.2%	0.8%
	2	90.2	-3.7%	2.7%
	3	88.3	-1.6%	4.9%
	4	92.2	-2.0%	1.8%
	5	91.0	-3.5%	1.8%
	6	95.8	0.4%	-0.4%
	7	90.2	-4.4%	-0.0%
	8	94.8	-2.6%	0.8%
-	9	89.2	-2.9%	6.0%
	10	81.4	-1.5%	9.7%
	11	82.9	2.3%	10.5%
	12	88.3	6.7%	1.9%
	13	91.9	2.8%	-4.0%
	14	86.3	4.9%	-8.3%
	15	87.1	-1.2%	-6.1%
	16	83.2	-1.7%	-11.6%

2700D | Rf: 90.7 | Rg: 101.1 Color Vector Graphic



GRAPHIC SHIFTS % HUE BIN Rf CHROMA HUE 90.9 -4.1% 1.1% 91.8 -2.2% 3.2% 0.2% -1.1% 5.0% 0.8% 89.0 92.9 93.9 1.1% 1.7% 3.3% 93.3 0.0% 93.1 -0.5% -1.9% 97.2 -0.3% -0.9% 93.4 -1.0% 3.2% -0.1% 4.7% 89.9 5.6% 7.2% 87.0 11 -0.2% -6.7% 89.2 5.8% 89.1 3.5% 86.3 -9.2% 14 4.1% -2.0% -2.1% 91.4 -3.6% 84.7 -10.3%

PROJECT

 FIXTURE TYPE
 DATE

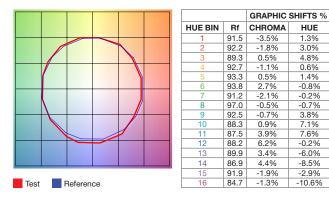
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3000D | Rf: 90.6 | Rg: 101.1 Color Vector Graphic



6500K ONLY (27K6) | Rf: 86.8 | Rg: 96.8 Color Vector Graphic

