

Wet Location Troffers: WL-R-LED-TW

High Efficiency LED Recessed Luminaires for Wet Locations

- **Rated IP55**
- **ETL Listed for Wet Locations**
- **Channel Inset Door Frame**
- **0-10V 1% dimming comes standard**
- **Recessed Housing suitable for Tbar Grid & Hardlid installations**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**
- **Available as Warm Dim or as Separately controlled intensity and CCT.**
- **Tunable white LEDs allow a full range of CCTS from 2700K - 6500K CCT.**



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ORDERING GUIDE

Series	Material	Size	Row Qty.	LED Type	CCT/CRI	Control	Voltage	Optics	Options
WL-R				LEDTW					
Series	Material	Size	Row Qty.	Light Source		Control	Voltage	Optics	Options
				LED Type	CCT/CRI				
WL-R	3 White 430 SS Hsg. & Polished 304 SS Door	1x4 1' x 4' Housing	1	LEDTW	80 CRI:	10VA	0-10V Analog Control	P12ACR	SW
			2		827/ 865 2700K-6500K			LEX	PxL
	4 White AL Hsg. & Polished 304 SS Door	2x2 2' x 2' Housing	2		90+ CRI:	10VWD	0-10V Warm Dim Control	A19	PxW
			3					TG	10KV
	5 White AL Hsg. & White AL Door	2x4 2' x 4' Housing	4		927/965 2700K-6500K			HIA	GTD
								FROST	WHIP
								2DBW	OCCMW
								LBW	FC
								GHR5	EM10**
									GG
									EDL
									WHT
									AMW
									2/ED
NOTE: P12ACR option is standard and will be provided when no other option is selected									*Note: Specify Value in Ordering Notes Below

Ordering Notes, If Applicable

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SPECIFICATIONS

HOUSING: One piece, hole free, robotically seam welded housing has flattened knockouts for a superior seal. Housings are available in .040" 3003 Aluminum or 20Ga 430 Stainless Steel.

DOOR FRAME: Inset door frame made from welded channels regresses into the housing to allow the neoprene gasket to seal to the housing. Door frame is hinged by aircraft cables and secures to housing with captive stainless steel pan head screws. Available in .040" 3003 Powder coated Alum., 20Ga 304 Polished SS.

GASKETS: Closed cell 100% pure neoprene gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system. GG option provides a loose 1/8" thick adhesive backed gasket intended to adhere to the top face of a suspended grid ceiling for grid profiles that do not already have gasket on them.

OPTICS: Standard P12 prismatic acrylic lens is provided when no other options are selected. All prismatic lensing options come with an inverted lens so the smooth side faces the room for easy cleaning. Other optics are available, consult factory for more information or options not listed.

LEDS: Commercially available minimum 80 or 90 CRI 2 channel LED modules use 2700K and 6500K chips to mix color in order to achieve a desired color temperature. Modules have rated lifetime of L70 > 50,000 hrs and efficacy of 165Lm/W. LEDs are controllable via 0-10v dimming, see next page for control options. Consult factory for lumen output configurations not listed on spec sheets.

DRIVERS: Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

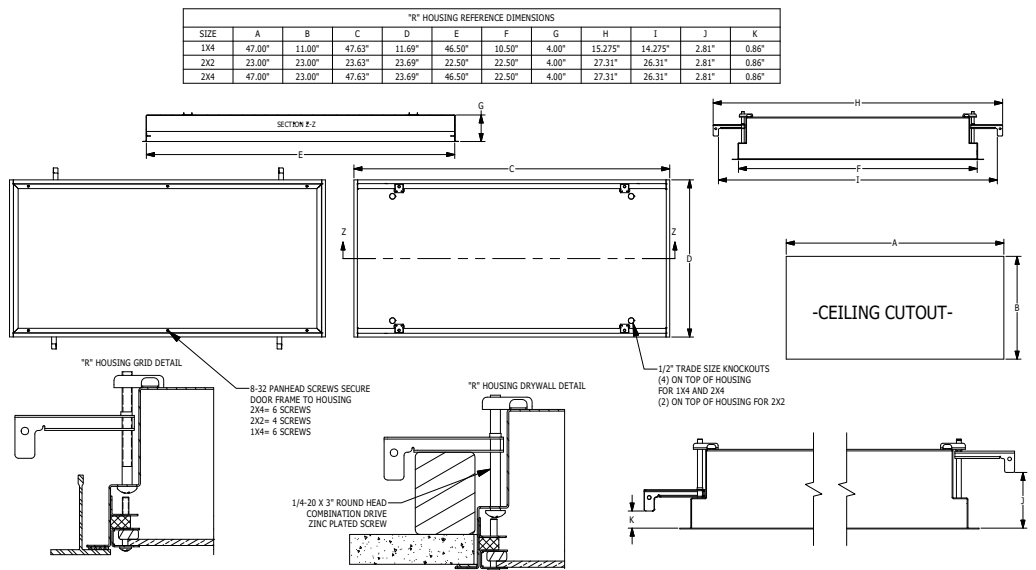
REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

INSTALLATION: Suitable for recessed Non-IC installation into covered ceilings. Fixtures are supplied with .875" flattened knockouts for supply entry. Recessed housings have (4) swing out toggle arms that are used to draw the fixture in to the ceiling for hard lid installation without the need for a yoke hanger. The toggle arm adjuster bolts are accessible from the room side of the luminaire and the actual toggles can be used as means of establishing a seismic support for lay in ceiling installations. Confirm ceiling compatibility with dimension drawings below.

FINISH: Stainless steel door frames are satin polished unless WHT or AMW options are selected. All other materials are provided with gloss high reflectance white polyester powdercoat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

LISTINGS: IP55 rated for dust and water ingress. ETL listed per UL 1598 for wet locations. Chicago Plenum Rated. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS



Wet Location Troffers: WL-R-LED-TW

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ENERGY DATA

CHANNEL-FGRS-LED TROFFER (APPROX ¹ LUMENS DELIVERED)						
ENCLOSURE SIZE	LIGHT PACKAGE	Tunable White 80 CRI (4000K)			MAX AMB TEMP	CCT RANGE
		LUMENS	WATTS ²	EFFICACY ³		
1X4	1LEDTW	3,950	34	116	40°C (104°F)	2700k - 6500k
1X4	2LEDTW	7,550	68	111	40°C (104°F)	2700k - 6500k
1X4	EM10	1100-1160	4	NA	40°C (104°F)	NA
2X2	2LEDTW	3,950	35	113	40°C (104°F)	2700k - 6500k
2X2	3LEDTW	5,900	53	111	40°C (104°F)	2700k - 6500k
2X2	4LEDTW	7,800	68	115	40°C (104°F)	2700k - 6500k
2X2	EM10	1100-1130	4	NA	40°C (104°F)	NA
2X4	2LEDTW	8,150	68	120	40°C (104°F)	2700k - 6500k
2X4	3LEDTW	12,200	103	118	40°C (104°F)	2700k - 6500k
2X4	4LEDTW	15,950	135	118	40°C (104°F)	2700k - 6500k
2X4	EM10	1180-1200	4	NA	40°C (104°F)	NA

1 DELIVERED LUMEN DATA IS CALCULATED BASED ON STATIC WHITE PHOTOMETRY @ 4000K CCT

2 WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

3 EFFICACY CALCULATED USING 4000K CCT DATA.

4 MAX AMBIENT TEMP RATING, NON-IC INSTALLATION. TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION

5 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY.

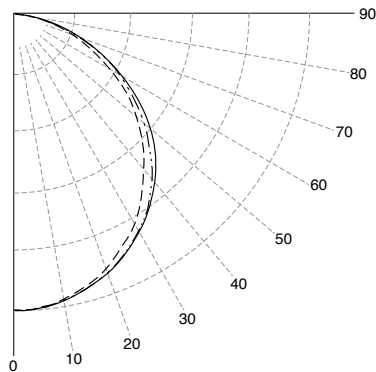
6 EM10 DELIVERED LUMENS = (DELIVERED LUMENS/LUMINAIRE WATTS)*10

PHOTOMETRICS

P12 PRISMATIC

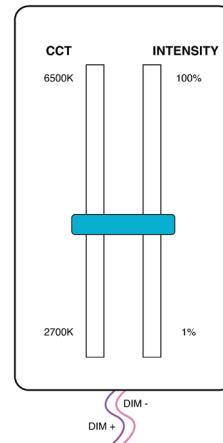
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— 0
- - - 45
— 90



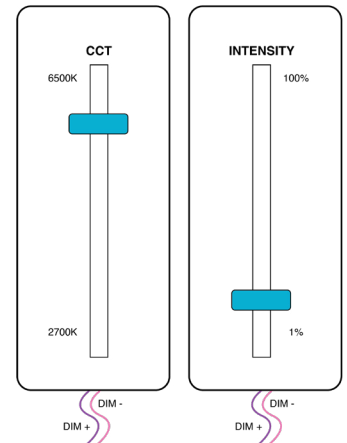
CONTROL OPTIONS

WARM DIM CONTROL



Only one set of dimming Leads are required. As Intensity is increased so is the CCT. As intensity decreases the CCT decreases to warmer color Temperatures.

CONTINUOUS CCT CONTROL



Two set of dimming Leads are required. Intensity and CCT of light are controlled independently from one another.