

## FEATURES & SPECIFICATIONS

**INTENDED USE** — General illumination for indoor and outdoor, covered ceiling locations. Ideal for showers, locker rooms, recreational facilities and other applications calling for a wet location listing.

**CONSTRUCTION** — Available for lay-in grid ceilings or with mitered flanged trim with swing-out hangers. Code gauge steel housing formed from cold rolled steel. Closed-cell neoprene gasketing between the lens, doorframe, housing and mounting surface. Extruded aluminum doorframe features mitered corners. Cam latches on doorframe ensure a positive seal. Lenses available to meet a variety of lighting needs and features 100% UV stabilized acrylic. Lenses feature optional internal prisms to maintain a smooth, easy-to-clean outer surface.

**Finish:** All metal parts are finished with electrostatically deposited, thermally set, polyester powder paint after fabrication.

**ELECTRICAL** — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Energy saving and electronic ballasts are sound rated A. Standard combinations conform to UL 935. Tested in compliance with Federal Standard 209E by independent lab.

**LISTINGS** — UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type

### Recessed Wet Location Troffer

# WRT 2' X 2'

2, 3 OR 4 LAMPS



#### Specifications

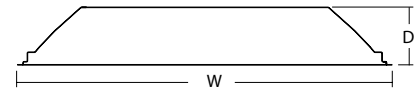
Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-3/4 (9.5)

Weight: 15 lbs (6.8 kg)

All dimensions are inches (centimeters) unless otherwise specified.



#### ORDERING INFORMATION

For shortest lead times, configure products using **standard options (shown in bold)**.

**Example:** 2WRT G 2 U31 A12125 MVOLT GEB10IS

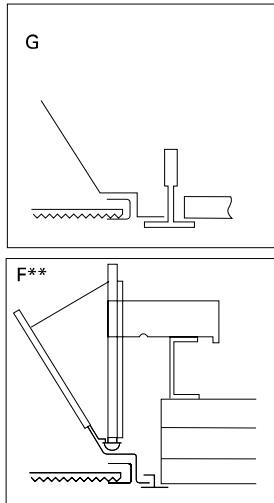
2WRT							
Series	Trim type	Lamps <sup>1</sup>	Lamp type	Door frame	Diffuser type <sup>4</sup>	Voltage	Options
<b>2WRT</b>	Recessed wet location troffer, 2' wide	<b>G</b> Lay-in grid trim <b>F</b> Overlapping flanged trim	<b>2</b> 14 Nominal 14W T5 (22") <b>3</b> 17 Nominal 17W T8 (24") <b>4<sup>2</sup></b> U31 Nominal 31W T8 U-lamp (24") U316 31W T8 U-lamp (24", 6" leg spacing) <sup>3</sup> CF40 40W T5 (24")	<b>(blank)</b> Flush aluminum, white FN Flush aluminum, natural FM Flush aluminum, matte black	<b>A12125</b> #12 pattern acrylic, .125" thick A15 #15 pattern acrylic, .2" thick A19 #19 pattern acrylic, .156" thick	120 277 347 <b>MVOLT<sup>5</sup></b>	<u>Shipped installed in fixture</u> GEB Electronic ballast(s) ≤20% THD <b>GEB10IS</b> Electronic ballast(s) ≤10% THD, instant start GEB10PS Electronic ballast(s) ≤10% THD, program rapid start EL6DW Emergency battery pack (nominal 600 lumens) <sup>7,8</sup> EL14DW Emergency battery pack (nominal 1400 lumens) <sup>7,9</sup> GLR Internal fast-blow fuse <sup>6</sup> GMF Internal slow-blow fuse <sup>6</sup> PWS1836 Pre-wire system, 18-gauge, three-wire (one circuit), 6' length (others available) SW Palletized and stretch-wrapped CSA CSA Certified NOM NOM Certified

#### Notes

- Lamps not included.
- Straight lamps with standard ballasts or compact lamps with electronic ballasts only.
- Not available with 3- or 4-lamp fixtures; use U31.
- Add the suffix V for inverted prisms. Example: A15V
- Electronic ballast 120-277V only. Must specify GEB10IS or GEB10PS.
- Must specify voltage 120 or 277 only, not available with MVOLT.
- Must specify voltage; 120 or 277 volt only. See [PS600DW](#) or [PS1400DW](#) spec sheet for more information.
- Not available to ship into California, does not meet CEC Title 20 compliance. Replace with EL14DW.
- Not available with U31 lamps.

# WRT 2 x 2 Recessed Wet Location Troffer

## MOUNTING DATA



\*\*Recommended rough-in dimensions for F trim fixtures: 24" x 24" (Tolerance is + 1/4" or -0").  
Swing-gate range: 11/16" — 3-1/4", span 22" — 26-3/4".

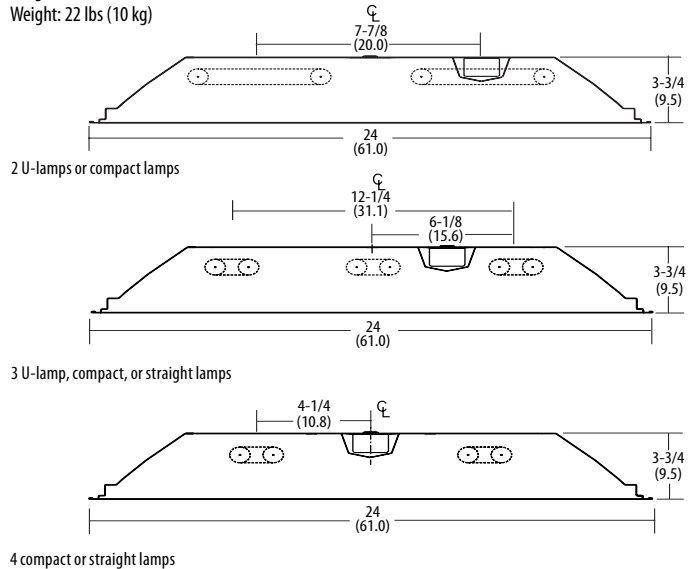
## DIMENSIONS

All dimensions are inches (centimeters) unless otherwise specified. Specifications subject to change without notice.

Example: **2WRT F 2 U31 FW A12123 120 GEB**

Length: 24 (61.0)

Weight: 22 lbs (10 kg)



## PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

### 2WRT3 17 A12125

Test No. LTL 9799

#### COEFFICIENT OF UTILIZATION

r <sup>f</sup>	r <sup>c</sup>	20%							
		80%				50%			
r <sup>w</sup>		70%	50%	30%	10%	50%	30%	10%	0%
0		79	79	79	79	74	74	74	66
1		73	70	68	65	66	64	62	57
2		67	62	58	55	59	56	53	49
3		62	55	50	47	52	49	45	42
4		57	50	44	40	47	43	39	37
5		53	45	39	35	43	38	35	32
6		49	40	35	31	39	34	31	29
7		45	37	31	28	35	31	27	26
8		42	34	28	25	32	28	25	23
9		40	31	26	22	30	25	22	21
10		37	29	24	20	28	23	20	19

#### ZONAL LUMENS SUMMARY

Zone	Lumens	% lamp
0°-30°	881	21.8
0°-40°	1448	35.8
0°-60°	2345	57.9
0°-90°	2684	66.3
90°-180°	0.0	0.0
0°-180°	2684	*66.3

\*Fixture efficiency

### 2WRT 3 U31 A12125

Test No. LTL 9802

#### COEFFICIENT OF UTILIZATION

r <sup>f</sup>	r <sup>c</sup>	20%							
		80%				50%			
r <sup>w</sup>		70%	50%	30%	10%	50%	30%	10%	0%
0		74	74	74	74	69	69	69	62
1		69	66	64	62	62	60	59	54
2		63	59	55	52	55	53	50	47
3		58	52	48	44	50	46	43	40
4		54	47	42	38	45	41	37	35
5		50	42	37	33	40	36	33	31
6		46	38	33	29	37	32	29	27
7		43	35	30	26	34	29	26	24
8		40	32	27	24	31	26	23	22
9		37	29	25	21	28	24	21	20
10		35	27	23	19	26	22	19	18

#### ZONAL LUMENS SUMMARY

Zone	Lumens	% lamp
0°-30°	1745	20.8
0°-40°	2872	34.2
0°-60°	4632	55.1
0°-90°	5237	62.3
90°-180°	0.0	0.0
0°-180°	5237	*62.3

\*Fixture efficiency

#### Energy Data: 2WRT 3 17 A1215 Instant Start T8

Energy (Calculated in accordance with NEMA Standards LE-5)

LER.FL	Annual* Energy Cost	Lamp Description	Lamp Lumens	Ballast Factor	Input Watts
47	\$5.08	F017T8	1,350	0.95	54

\*Based on 3000 hrs./year at .08/kwh