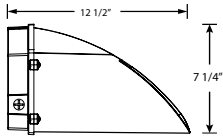
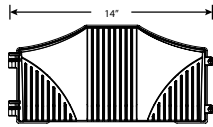




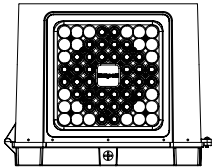
## DIMENSIONS



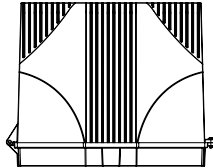
Side View



Front View



Bottom View



Top View

**WEIGHT**  
24 lbs.



## SPECIFICATIONS

### HOUSING

Heat dissipating fins, die cast housing and shape prevent heat and sediment buildup. Wall mounted luminaire components are enclosed in rain-tight die cast housing. Hinged removable driver door is easily field replaceable using quick disconnects. Back & main housings are designed to hinge open for easy mounting & easy access. Housing shape prevents bird nesting also creating a heat-sink for the bezel. Light weight construction for easy installation.

### LEDs

One-piece optical cartridge consists of an LED engine, LEDs, optics, gasket and stainless steel bezel, with 24, 36, 48, and 60 LED options  
Weather-proof seal around each individual LED protects against outdoor elements

### OPTICS / DISTRIBUTION -

- Type 2, Type 3, Type 4, Type 5 distributions
- Acrylic optical lens over each LED
- Field replaceable optical cartridge

### DRIVER

Driver is mounted on a removable door that hinges for convenient access  
Input Voltage Range: 120-277 VAC Nom. (90-305 V Min/Max)  
Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)  
Power Factor: >0.90 @ full load, 100V through 277V  
Harmonic Distortion: THD < 20% @ full load  
Active power correction  
Protection: Over-Voltage, Over-Temperature (110°) & Short Circuit with self-recovery  
Compliant to FCC Part 15 requirements for EMI/RFI emissions  
NEC/CEC compliant ballast disconnect is standard  
Standard Surge Protection: ANSI Std. C62.41.2 Category A (10 kV)

### FINISH

Pre-treated and powder-coated  
Available in Black, Bronze, Gray, White, Green

### OPERATING TEMPERATURE

MIN. TEMP: -40° C / -40° F  
MAX. TEMP: 40° C / 104° F

### FEATURES

Integral thermistor circuit prevents over heating of LED system  
Certain airborne contaminants can diminish integrity of acrylic  
- Consult factory for chemical compatibility  
Made In USA. Meets ARRA & Buy American requirements  
Driver is mounted on a removable door that hinges for convenient access

### WARRANTY

Limited 5-year warranty

### CERTIFICATIONS

CSA listed for U.S. & Canada. Tested to UL 1598 & UL 8750 standards  
Adheres to LM79, LM80 and TM21 industry standards

Approved By: \_\_\_\_\_ Project Name: \_\_\_\_\_

Location: \_\_\_\_\_ Date: \_\_\_\_\_

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# TRA SERIES

LED WALL MOUNT

## ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

SERIES	ENGINE WATTS	LED COLOR	OPTICS	VOLTAGE	SENSOR OPTIONS	FINISH	ELECTRICAL OPTIONS
<b>TRA-D</b> - Down Light	<b>24NB-27</b> - 27 Watts - LED array	<b>3K</b> - 3000K	<b>T2</b> - Type II	<b>UE</b> - Universal Voltage (120-277)	<b>MOB</b> - Motion Sensor 33% or 50% dimming <sup>3, 5, 6</sup>	<b>BBT</b> - Basic Black Textured	<b>PEC</b> - Photocell (specify voltage)
<b>TRA-U</b> - Up Light <sup>1</sup>	<b>24NB-55</b> - 55 Watts - LED array	<b>4K</b> - 4000K	<b>T3</b> - Type III	<b>347</b> - 347 VAC	<b>OCS</b> - Occupancy Sensor (on/off) <sup>6</sup>	<b>BMT</b> - Black Matte Textured	<b>2PF</b> - Dual Power Feed <sup>2, 3, 7</sup>
	<b>36NB-80</b> - 80 Watts - LED array	<b>5K</b> - 5000K	<b>T4</b> - Type IV	<b>480</b> - 480 VAC	<b>NA</b> - No Accessories	<b>WHT</b> - White Textured	<b>BPC</b> - Cold Weather Battery Pack <sup>4</sup>
	<b>48NB-110</b> - 110 Watts - LED array		<b>T5R</b> - Type V, Rectangular			<b>MBT</b> - Metallic Bronze Textured	<b>NO</b> - No Options
	<b>60NB-136</b> - 136 Watts - LED array		<b>2X2</b> - Narrow Spot Flood			<b>BZT</b> - Bronze Textured	
			<b>5X5</b> - Wide Flood			<b>DBT</b> - Dark Bronze Textured	
						<b>GYS</b> - Gray Smooth	
						<b>DPS</b> - Dark Platinum Smooth	
						<b>GNT</b> - Green Textured	
						<b>MST</b> - Metallic Silver Textured	
						<b>MTT</b> - Metallic Titanium Textured	
						<b>OWI</b> - Old World Iron	
						<b>CC</b> - Custom Color	

**TRA-D 24NB-55 5K T5R UE NA BMT NO**  
(EXAMPLE ORDER)

### ORDER: WLS-TRA-

#### FOOTNOTES:

- 1- Indoor use only.
- 2- Not available on 24NB-27.
- 3- Not available @ 347V or 480V Input.
- 4- 36NB-80 only.
- 5- Not available on 48NB-110 or 60NB-136.
- 6- Not available with other control or sensor options. PEC is available with MOB and OCS.
- 7- Not available with BCW option.

#### ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	OPER. CURRENT (Amps)	SYSTEM POWER (Watts)
24	1	(350mA)	120	0.23	27.0
			277	0.10	
24	2	(700mA)	120	0.46	55.0
			277	0.20	
36	1	(700mA)	120	0.68	80.0
			277	0.30	
48	1	(700mA)	120	0.92	110.0
			277	0.40	
60	1	(700mA)	120	1.13	136.0
			277	0.49	

#### PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°F	1.00	0.97	0.96	0.95	0.93	>560,000

<sup>1</sup> Projected per IESNA TM-21-11  
Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

#### PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
				LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
24	350mA	27w	T2	2833	105	1	0	1	2805	104	1	0	1	2408	89	1	0	1
			T3	2805	104	1	0	1	2777	103	1	0	1	2392	89	1	0	1
			T4	3086	114	1	0	1	3055	113	1	0	1	2623	97	1	0	1
			T5R	3142	116	2	0	2	3111	115	2	0	2	2670	99	2	0	2
			5X5	3031	112	2	0	1	3001	111	2	0	1	2577	95	2	0	1
			2X2	3287	122	3	0	1	3254	121	3	0	1	2794	103	3	0	1
24	700mA	55w	T2	5666	102	2	0	2	5610	101	2	0	2	4816	86	1	0	2
			T3	5610	101	1	0	2	5554	100	1	0	2	4784	86	1	0	2
			T4	6171	111	1	0	2	6110	109	1	0	2	5245	94	1	0	2
			T5R	6283	113	3	0	3	6221	111	3	0	3	5341	96	3	0	3
			5X5	6063	110	3	0	1	6002	109	3	0	1	5153	94	3	0	1
			2X2	6573	118	4	0	1	6508	117	4	0	1	5587	100	4	0	1
36	700mA	80w	T2	8505	101	2	0	3	8415	100	2	0	3	7224	87	2	0	3
			T3	8415	100	2	0	2	8331	99	2	0	2	7175	86	2	0	2
			T4	9256	110	1	0	3	9164	109	1	0	3	7868	94	1	0	3
			T5R	9425	112	3	0	3	9331	111	3	0	3	8011	96	3	0	3
			5X5	9094	109	4	0	1	9003	108	4	0	1	7730	93	3	0	1
			2X2	9860	118	4	0	1	9762	116	4	0	1	8381	100	4	0	1
48	700mA	110w	T2	11332	102	3	0	3	11220	101	3	0	3	9633	87	2	0	3
			T3	11220	101	2	0	3	11108	100	2	0	3	9567	86	2	0	3
			T4	12342	111	2	0	3	12219	110	2	0	3	10491	95	2	0	3
			T5R	12567	113	4	0	4	12441	112	4	0	4	10682	96	3	0	3
			5X5	12126	109	4	0	1	12004	108	4	0	1	10307	93	4	0	1
			2X2	13147	118	5	0	1	13016	117	5	0	1	11175	101	5	0	1
60	700mA	136w	T2	14165	103	3	0	3	14025	102	3	0	3	12041	88	3	0	3
			T3	14025	102	3	0	3	13885	101	3	0	3	11959	87	3	0	3
			T4	15427	113	2	0	3	15274	111	2	0	3	13114	96	2	0	3
			T5R	15708	115	4	0	4	15259	111	4	0	4	13352	97	4	0	4
			5X5	15157	111	4	0	1	15006	110	4	0	1	12884	94	4	0	1
			2X2	16434	120	5	0	2	16269	119	5	0	2	13968	102	5	0	2

<sup>1</sup>Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

Approved By: \_\_\_\_\_ Project Name: \_\_\_\_\_

Location: \_\_\_\_\_ Date: \_\_\_\_\_

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