

# TAG-LN Series

Linear LED Floodlight - White or RGB

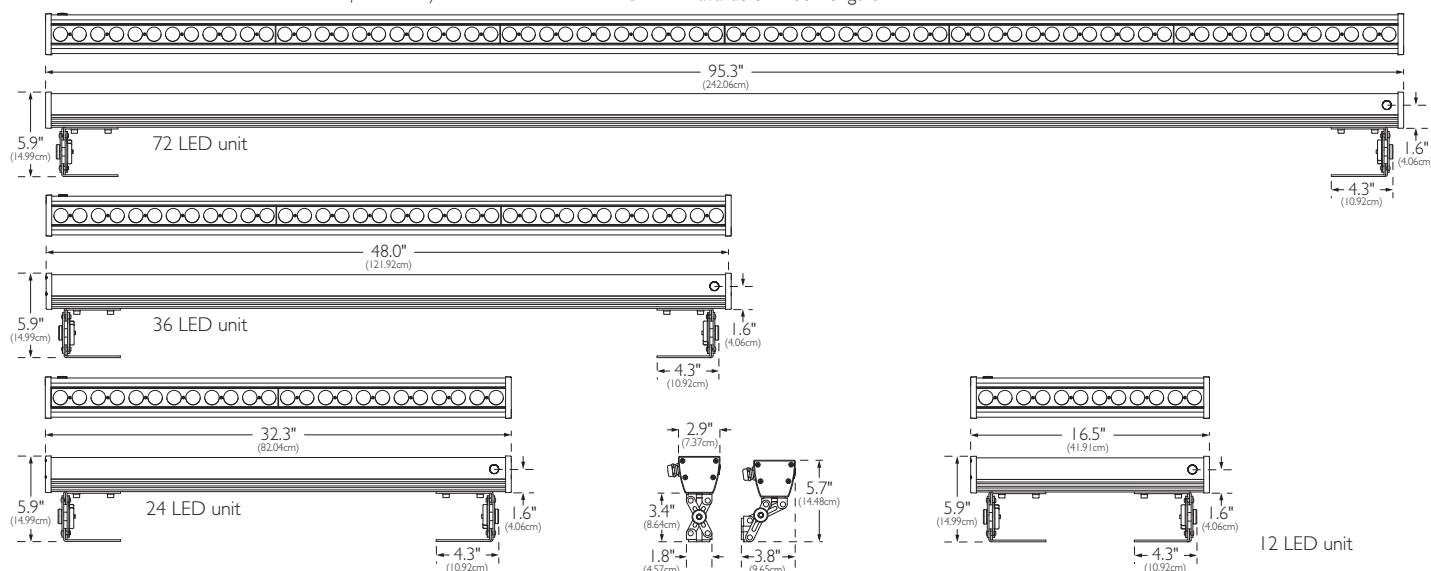


Type:		Job:						Approvals:	
Catalog Number:									
TAG-LN - - - - 24VDC - - -									
Series	# of LEDs	LED Color	Distribution	Voltage	Mounting	Options	Finish	Accessories (Field Installed)	Date:
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## Overall Dimensions

For Reference Only

TAG-LN available in four lengths



## Specifications

### LED Optical System: Spot or Flood Distributions

9° x 9° spot, 12° x 12° spot, 18° x 18° flood,  
30° x 30° flood, 70° x 70° flood

### High-Lumen White LED and Board Array

Lumiled Rebel White LED units available in Neutral White or Cool White.

CRI (color rendering index): 70 +/- 3

Color temperature:

Neutral White 4000K +/- 250K

Cool White 5700K +/- 250K

Aluminum metal clad board. RoHS compliant.

### High-Lumen RGB LED and Board Array

Lumiled Rebel RGB LED units with integrated Color-Tune technology and full DMX compatibility. Aluminum metal clad board. RoHS compliant.

### Rated Life

LED rated life of 60,000 hours @ 40°C.

(see pg. 4 & 5 for potential life expectancies)

### Housing / Construction

IP66 rated fixture with extruded aluminum housing, integrated heatsinks and machined end caps. Lockable thumb screw aiming with standard stainless steel bracket arms.

### Drivers

24VDC driver(s) may be provided or supplied by others. Must be ordered separately.

For specification details, see TAG 24VDC Driver spec sheet WLSP0286.

### Level-1 & Level-2 Color-Tune Control

**Level-1** Color-Tune control uses simple push-button control at each fixture location. Scrolls through 16 million colors and locks into place with a single button push. Push the button again to access twelve preset colors, including white.

**Level-2** Same Level-1 control with Color-Tune controlling up to 32 fixtures from a single location (more if signal repeater is used). 'RGBM' master unit controls all 'RGBD' drone units by daisy chaining the DMX control wires in series.

### Level-3 & Level-4 DMX Control

Full open source DMX protocol compatible.

**Level-3** Control up to 60 fixtures with a single ColorDial stand alone DMX wall mounted controller. (see TAG ColorDial spec sheet WLSP033 for specification details)

**Level-4** Control available with most off-the-shelf DMX controllers and software. Optional factory and field DMX channel addressing available.

### Wiring and Power Requirements

24VDC low voltage wiring may be direct buried without the need for a separate conduit run (up to 100W). Single or multiple LED drivers and boxes may be installed in a single, readily accessible location for ease of service (ordered separately). NW or CW luminaires are supplied with 10 feet of S/O cord standard. RGB luminaires supplied with 10 feet of 7-wire multimedia cable standard consisting of 16 AWG (positive/negative) and two 24 AWG twisted shielded pairs to supply DMX-IN and DMX-OUT signals. All RGB luminaires are provided with floating male/female terminal blocks to allow for secure DMX wire connections within a wiring J-Box (by others).

### Mounting Options and Accessories

Adjustable stainless steel bracket arm provides the standard mounting method (not required for use with short or long bracket arm accessories).

### Shielding Options and Accessories

A stone guard option or accessory is available for lens protection. For glare control, a top shield accessory is available.

### Finish

Standard finish is Anodized Satin Aluminum.

### Listings

ETL/cETL Listed luminaire, to the UL 1598, UL 8750 standard, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9001 Series Standards.

### Warranty / Terms and Conditions

Standard 5 Year Limited Warranty

The current Philips Wide-Lite Warranty may be found at [www.wide-lite.com](http://www.wide-lite.com) (keyword: warranty) as well as the current Standard Terms and Conditions of Sale (keyword: terms).

All sales of items in this catalogue shall be subject to the Philips Wide-Lite Standard Terms and Conditions of Sale current at the time of shipment. If you do not have a copy of the Philips Wide-Lite Warranty and Standard Terms, please contact the factory for same prior to ordering.

Philips Wide-Lite reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications / availability subject to change by manufacturer without notice. Please refer to detailed specification sheets for additional information and spec details.

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Bulletin No. WLSP0283G0912

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# TAG-LN Series

## Linear LED Floodlight - White or RGB

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12 / 24 / 36 / 72 LED Linear Unit  
White & RGB



TAG-LN-24-NW  
24 LED unit, Neutral White



TAG-LN-24-RGBD  
24 LED unit, RGB (red, green, blue) Drone Unit

Series	# of LEDs	LED Color	Distribution	Voltage	Mounting	Options	Finish
<input checked="" type="checkbox"/> TAG-LN	<input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> 36 <input type="checkbox"/> 72	<input type="checkbox"/> <b>RGBD</b> <sup>1</sup> Red Green Blue Drone Unit (w/ Color-Tune) <input type="checkbox"/> <b>RGBM</b> <sup>1,4</sup> Red Green Blue Master Unit (w/ Color-Tune) <input type="checkbox"/> <b>NW</b> Neutral White (4000K +/- 250K) <input type="checkbox"/> <b>CW</b> Cool White (5700K +/- 250K)	<input type="checkbox"/> <b>SP9</b> 9° Spot <input type="checkbox"/> <b>SP12</b> 12° Spot <input type="checkbox"/> <b>FL18</b> 18° Flood <input type="checkbox"/> <b>FL30</b> 30° Flood <input type="checkbox"/> <b>FL70</b> 70° Flood	<input checked="" type="checkbox"/> <b>24VDC</b> <sup>2</sup> 24VDC driver(s) must be ordered separately.	<input type="checkbox"/> <b>BA</b> Bracket Arm (standard) (stainless steel) <input type="checkbox"/> <b>NR</b> Not Required (when used with mounting accessories)	Shielding (pre-attached) <input type="checkbox"/> <b>SG</b> Stone Guard (poly) Factory DMX Addressing <sup>3</sup> <input type="checkbox"/> <b>FDA-SEQ</b> Sequential DMX Addressing <input type="checkbox"/> <b>FDA-CUS</b> Custom DMX Addressing	<input type="checkbox"/> <b>ASA</b> Anodized Satin Aluminum  Contact factory for additional color availability.

### Accessories (must be ordered separately)

Shielding (TS' finish is black unless otherwise specified)

- |   |   |
|---|---|
| <input type="checkbox"/> <b>TS-TAGLN12</b> Top Shield | <input type="checkbox"/> <b>SG-TAGLN12</b> Stone Guard (poly) |
| <input type="checkbox"/> <b>TS-TAGLN24</b> Top Shield | <input type="checkbox"/> <b>SG-TAGLN24</b> Stone Guard (poly) |
| <input type="checkbox"/> <b>TS-TAGLN36</b> Top Shield | <input type="checkbox"/> <b>SG-TAGLN36</b> Stone Guard (poly) |
| <input type="checkbox"/> <b>TS-TAGLN72</b> Top Shield | <input type="checkbox"/> <b>SG-TAGLN72</b> Stone Guard (poly) |

Mounting

- |  |   |
|--|---|
| <input type="checkbox"/> <b>SA-TAGLN-TSA</b> | Short Straight Arm (8")<br>(*TSA finish standard) |
| <input type="checkbox"/> <b>LA-TAGLN-TSA</b> | Long Straight Arm (24")<br>(*TSA finish standard) |

DMX

- |   |  |
|---|--|
| <input type="checkbox"/> <b>CLRD</b> <sup>3,4</sup> | ColorDial DMX Controller   |
| <input type="checkbox"/> <b>DMXSR</b> <sup>4</sup>  | DMX Signal Repeater/Splitter   |
| <input type="checkbox"/> <b>HAP</b> <sup>3</sup>    | Handheld Programmer<br>(field set master & drones, )<br>(field DMX channel addressing) |

Drivers<sup>2</sup>

Please see the TAG 24VDC driver spec sheet WLSP0286 for specification details.  
24VDC drivers can be provided or supplied by others.

Notes: 1. One 'Master Unit' is required to control a run of 'Drone Units' using Color-Tune. DMX wires must be daisy chained in series (Level-2 control). Can control up to 32 units before requiring 'DMXSR' or additional 'Master Unit'.  
2. Nominal 24VDC system. 24VDC drivers must be ordered separately. See accessories details.  
3. Field or factory DMX addressing is required for use with 'CLRD' ColorDial's chasing rainbow effects. Can only accept addresses (1 to 60, then repeat). See ColorDial spec sheet WLSP0333 for details.  
4. 'DMXSR' is a secondary DMX signal repeater/splitter and is required when more than 32 TAG RGB fixtures are controlled via DMX from a single DMX source (including 'Master Unit' and 'CLRD' control).

### Technical Data (Rated Life 60,000 hrs @ 40°C, Cool White CCT 5700K +/- 250K, Neutral White CCT 4000K +/- 250K, contact factory for additional CCTs)

	12 LED Unit		24 LED Unit		36 LED Unit		72 LED Unit	
	RGB	Cool/Neutral White	RGB	Cool/Neutral White	RGB	Cool/Neutral White	RGB	Cool/Neutral White
Fixture Watts	15W	15W	32W	31W	47W	46W	94W	92W
Total System Watts	17W	17W	35W	34W	52W	51W	104W	102W
Average Initial Lumens @ 25°C Ambient	423	840	846	1681	1270	2521	2455	5042
Average Lumens per Watt @ 25°C Ambient	25	49	24	49	24	49	24	49
Average Initial Lumens @ 40°C Ambient	382	757	763	1515	1144	2273	2213	4545
Average Lumens per Watt @ 40°C Ambient	22	45	22	45	22	45	21	44

Note: Initial lumens and LPW are optic specific. Average values shown above are sampled from all available optics. Please see photometric tables on page 26 of TAG Product Guide (WLBRO106) for actual lumen and LPW values.

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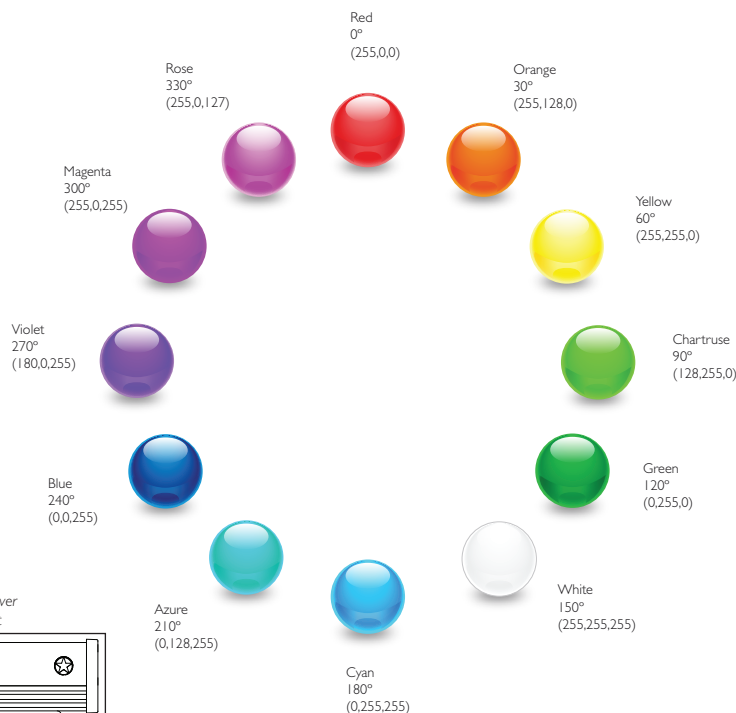
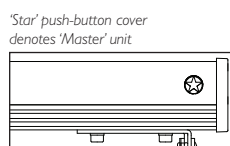
### Four Levels of Color Control

#### Level-1 Independent Color-Tune Control at Fixture Location

1. Upon initial power-up, Color-Tune will scroll each fixture through 16 million different colors.
2. The Color-Tune push-button located on the back of the luminaire allows you to lock the desired color in place for each fixture.
3. Continue pushing the button to step through twelve preset colors around the color wheel, including white.
4. No additional DMX control system required.

#### Level-2 Master & Drone Color-Tune Control at Fixture Location

1. One 'Master' fixture controls up to 32 'Drone' units in series using Color-Tune (more if signal repeater is used).
2. Simply daisy-chain DMX wires in series to allow for multiple fixture control.
3. Master and Drone units can be factory set or field programmed with our 'HAP' Handheld Programmer accessory.
4. No additional DMX control system required.



#### Level-3 ColorDial Stand alone DMX Controller ('CLRD' accessory)

When Color-Tune does not provide enough control, our ColorDial wall mounted stand alone controller provides additional simple but dramatic color mixing effects. Simply daisy-chain the DMX wires in series to utilize ColorDial's eight pre-programmed color mixing effects. Controls up to 60 individual fixtures from a single ColorDial controller (will need signal repeater).

##### Push Button

ColorDial comes with eight pre-programmed and variable light shows that run through the entire color spectrum. A push of the button cycles between all eight shows. Nonessential shows can be bypassed using dip-switches located on the back of the wall mounted controller:

- |                    |   |
|--------------------|---|
| 1. Fixed Color     | Static display of a single color with 192 total steps   |
| 2. Color Wash      | Colors transition gracefully from color to color in a set pattern, then repeats               |
| 3. Chasing Rainbow | Colors of the rainbow appear to chase each other from one fixture to the next - 4 units wide  |
| 4. Chasing Rainbow | Colors of the rainbow appear to chase each other from one fixture to the next - 8 units wide  |
| 5. Chasing Rainbow | Colors of the rainbow appear to chase each other from one fixture to the next - 12 units wide |
| 6. Random Color    | Colors step or jump from one color to the next in a random pattern                            |
| 7. Random Fade     | Colors transition gracefully from color to color in a random pattern                          |
| 8. White           | Fixed white with intensity control  |



##### Rotary Dial

The eight pre-programmed light shows can be easily modified by rotating the dial clockwise or counter clockwise. The dial steps through the color range in 'Fixed Color' mode, adjusts the intensity of the light output in 'White' mode and controls the speed for all additional effects. (Field or factory DMX Addressing is required to utilize ColorDial's 'Chasing Rainbow' effects.)

#### Level-4 Supply the DMX Control System of Your Choice

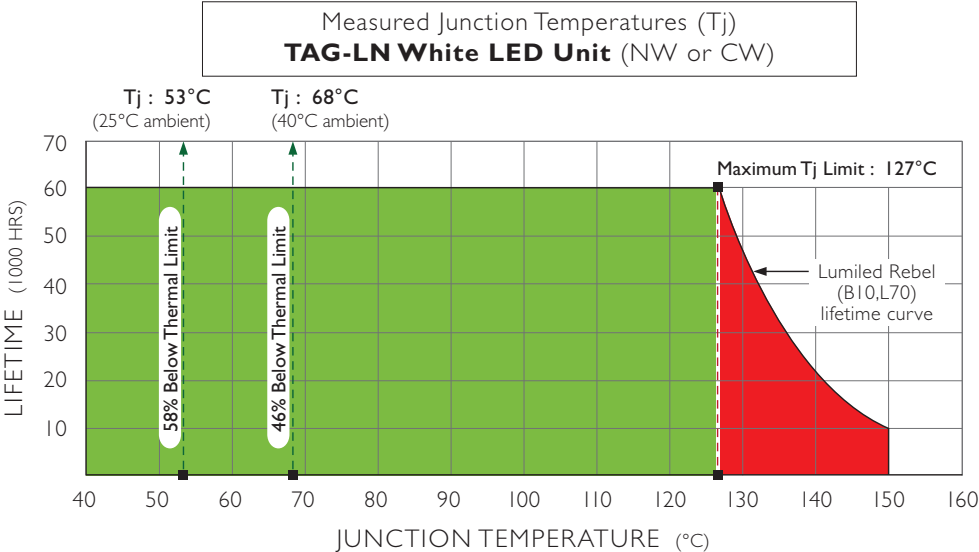
For a design that requires specific controls and programming to achieve the desired effect, TAG is designed to be compatible with the open source DMX protocol and is not constrained by a specific proprietary system. Choose your favorite off-the-shelf DMX system that you are already familiar with. TAG's DMX channel addressing can be factory set sequentially or custom addressed to your specific design plans. (Field DMX addressing using 'HAP' or factory DMX Addressing is required for independent fixture control.)

*Note: Additional 'Master' units, ColorDial controllers or use of our optional 'DMXSR' DMX signal repeater is required when more than 32 TAG RGB luminaires are controlled via DMX.*

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Green shaded portion represents junction temperatures below LED manufacturer's recommended limit to ensure a minimum of 60,000 hours of rated life.

Potential Life Expectancy Table Above the 60,000 Rated LED Life at Multiple Ambient Temperatures  
**TAG-LN White LED Unit** (NW or CW)

Note: LED rated life per the B10, L70 curve is 60,000 hrs. The table below showing potential LED life expectancy is based on TAG-LN White (NW or CW) LED thermal management, actual junction temperature (Tj) and projected B10, L70 curves.

**TAG-LN White (NW or CW) LED Unit**

AVERAGE OUTDOOR AMBIENT TEMP	FIXTURE JUNCTION TEMP (Tj)	POTENTIAL LED LIFE EXPECTANCY B10, L70 (hrs)	FIXTURE EFFICACY (lumens / watt)	POTENTIAL LED LIFE EXPECTANCY @ 10 HRS/DAY (yrs)
-30°C / -22°F	-8°C	163,000	58	44.7
-20°C / -4°F	8°C	159,000	57	43.6
-10°C / 14°F	18°C	155,000	55	42.5
0°C / 32°F	28°C	150,000	54	41.1
10°C / 50°F	38°C	143,000	52	39.2
25°C / 77°F	53°C	135,000	49	37.0
30°C / 86°F	58°C	133,000	48	36.4
40°C / 104°F	68°C	127,000	45	34.8

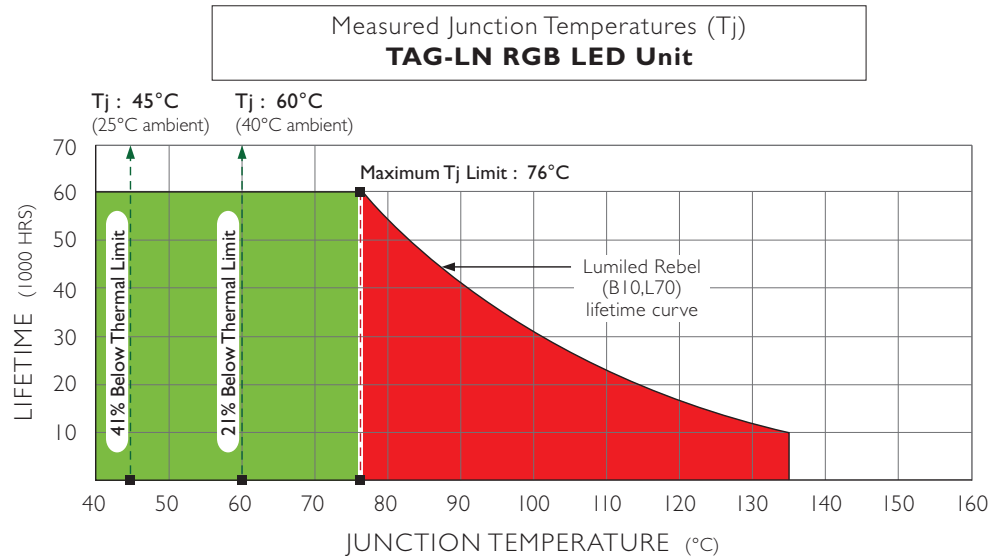
# TAG-LN Series

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Green shaded portion represents junction temperatures below LED manufacturer's recommended limit to ensure a minimum of 60,000 hours of rated life.

### Potential Life Expectancy Table Above the 60,000 Rated LED Life at Multiple Ambient Temperatures TAG-LN RGB LED Unit

Note: LED rated life per the B10, L70 curve is 60,000 hrs. The table below showing potential LED life expectancy is based on TAG-LN RGB LED thermal management, actual junction temperature (Tj) and projected B10, L70 curves.

#### TAG-LN RGB LED Unit

AVERAGE OUTDOOR AMBIENT TEMP	FIXTURE JUNCTION TEMP (Tj)	POTENTIAL LED LIFE EXPECTANCY B10, L70 (hrs)	FIXTURE EFFICACY (lumens / watt)	POTENTIAL LED LIFE EXPECTANCY @ 10 HRS/DAY (yrs)
-30°C / -22°F	-10°C	79,619	28	21.8
-20°C / -4°F	0°C	77,140	27	21.1
-10°C / 14°F	10°C	75,399	27	20.7
0°C / 32°F	20°C	73,659	26	20.2
10°C / 50°F	30°C	71,920	26	19.7
25°C / 77°F	45°C	68,476	24	18.8
30°C / 86°F	50°C	66,607	23	18.2
40°C / 104°F	60°C	64,670	22	17.7

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### TAG Photometric Data

#### TAG Linear 12-LED



Cat No.	Optic	Initial Lumens	Max CD	50% Beam (hor.)	50% Beam (vert.)	10% Beam (hor.)	10% Beam (vert.)	NEMA Beam (hor.)	NEMA Beam (vert.)	LED	# of LEDs	IES File #*
TAG-LN-12-RGB*	SP9	454	11,029	8.4	9.1	19.2	19.2	2H	2V	Lumiled Rebel	12	TAG-LN-12-RGB-SP9.IES
	SP12	464	7,549	12.3	13.1	23.7	23.8	2H	2V	Lumiled Rebel	12	TAG-LN-12-RGB-SP12.IES
	FL18	434	3,514	16.8	18.7	34.3	35.7	3H	3V	Lumiled Rebel	12	TAG-LN-12-RGB-FL18.IES
	FL30	413	986	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	12	TAG-LN-12-RGB-FL30.IES
	FL70	350	229	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	12	TAG-LN-12-RGB-FL70.IES
TAG-LN-12-NW/CW*	SP9	822	21,260	7.9	8.5	18.6	18.0	2H	1V	Lumiled Rebel	12	TAG-LN-12-WHT-SP9.IES
	SP12	924	14,573	12.2	13.1	24.1	23.6	2H	2V	Lumiled Rebel	12	TAG-LN-12-WHT-SP12.IES
	FL18	890	7,005	17.3	19.1	34.4	35.9	3H	3V	Lumiled Rebel	12	TAG-LN-12-WHT-FL18.IES
	FL30	847	2,021	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	12	TAG-LN-12-WHT-FL30.IES
	FL70	718	469	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	12	TAG-LN-12-WHT-FL70.IES

\*Please read special notes on bottom of page 7 for important photometric information.

#### TAG Linear 24-LED



Cat No.	Optic	Initial Lumens	Max CD	50% Beam (hor.)	50% Beam (vert.)	10% Beam (hor.)	10% Beam (vert.)	NEMA Beam (hor.)	NEMA Beam (vert.)	LED	# of LEDs	IES File #*
TAG-LN-24-RGB*	SP9	908	22,057	8.4	9.1	19.2	19.2	2H	2V	Lumiled Rebel	24	TAG-LN-24-RGB-SP9.IES
	SP12	929	15,114	12.3	13.1	23.7	23.8	2H	2V	Lumiled Rebel	24	TAG-LN-24-RGB-SP12.IES
	FL18	868	7,029	16.8	18.7	34.3	35.7	3H	3V	Lumiled Rebel	24	TAG-LN-24-RGB-FL18.IES
	FL30	827	1,973	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	24	TAG-LN-24-RGB-FL30.IES
	FL70	700	458	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	24	TAG-LN-24-RGB-FL70.IES
TAG-LN-24-NW/CW*	SP9	1,644	42,545	7.9	8.5	18.6	18.0	2H	1V	Lumiled Rebel	24	TAG-LN-24-WHT-SP9.IES
	SP12	1,851	29,193	12.2	13.1	24.1	23.6	2H	2V	Lumiled Rebel	24	TAG-LN-24-WHT-SP12.IES
	FL18	1,781	14,081	17.3	19.1	34.4	35.9	3H	3V	Lumiled Rebel	24	TAG-LN-24-WHT-FL18.IES
	FL30	1,694	4,042	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	24	TAG-LN-24-WHT-FL30.IES
	FL70	1,435	938	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	24	TAG-LN-24-WHT-FL70.IES

\*Please read special notes on bottom of page 7 for important photometric information.

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### TAG Photometric Data

#### TAG Linear 36-LED



Cat No.	Optic	Initial Lumens	Max CD	50% Beam (hor)	50% Beam (vert)	10% Beam (hor)	10% Beam (vert)	NEMA Beam (hor)	NEMA Beam (vert)	LED	# of LEDs	IES File #*
TAG-LN-36-RGB*	SP9	1,362	33,086	8.4	9.1	19.2	19.2	2H	2V	Lumiled Rebel	36	TAG-LN-36-RGB-SP9.IES
	SP12	1,393	22,663	12.3	13.1	23.7	23.8	2H	2V	Lumiled Rebel	36	TAG-LN-36-RGB-SP12.IES
	FL18	1,303	10,543	16.8	18.7	34.3	35.7	3H	3V	Lumiled Rebel	36	TAG-LN-36-RGB-FL18.IES
	FL30	1,240	2,959	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	36	TAG-LN-36-RGB-FL30.IES
	FL70	1,050	687	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	36	TAG-LN-36-RGB-FL70.IES
TAG-LN-36-NW/CW*	SP9	2,466	63,805	7.9	8.5	18.6	18.0	2H	1V	Lumiled Rebel	36	TAG-LN-36-WHT-SP9.IES
	SP12	2,772	43,735	12.2	13.1	24.1	23.6	2H	2V	Lumiled Rebel	36	TAG-LN-36-WHT-SP12.IES
	FL18	2,672	21,031	17.3	19.1	34.4	35.9	3H	3V	Lumiled Rebel	36	TAG-LN-36-WHT-FL18.IES
	FL30	2,541	6,063	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	36	TAG-LN-36-WHT-FL30.IES
	FL70	2,153	1,408	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	36	TAG-LN-36-WHT-FL70.IES

\*Please read special notes on bottom of page 7 for important photometric information.

#### TAG Linear 72-LED



Cat No.	Optic	Initial Lumens	Max CD	50% Beam (hor)	50% Beam (vert)	10% Beam (hor)	10% Beam (vert)	NEMA Beam (hor)	NEMA Beam (vert)	LED	# of LEDs	IES File #*
TAG-LN-72-RGB*	SP9	2,724	66,172	8.4	9.1	19.2	19.2	2H	2V	Lumiled Rebel	72	TAG-LN-72-RGB-SP9.IES
	SP12	2,785	45,326	12.3	13.1	23.7	23.8	2H	2V	Lumiled Rebel	72	TAG-LN-72-RGB-SP12.IES
	FL18	2,605	21,086	16.8	18.7	34.3	35.7	3H	3V	Lumiled Rebel	72	TAG-LN-72-RGB-FL18.IES
	FL30	2,481	5,919	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	72	TAG-LN-72-RGB-FL30.IES
	FL70	1,682	1,100	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	72	TAG-LN-72-RGB-FL70.IES
TAG-LN-72-NW/CW*	SP9	4,931	127,610	7.9	8.5	18.6	18.0	2H	1V	Lumiled Rebel	72	TAG-LN-72-WHT-SP9.IES
	SP12	5,545	87,470	12.2	13.1	24.1	23.6	2H	2V	Lumiled Rebel	72	TAG-LN-72-WHT-SP12.IES
	FL18	5,343	42,062	17.3	19.1	34.4	35.9	3H	3V	Lumiled Rebel	72	TAG-LN-72-WHT-FL18.IES
	FL30	5,083	12,126	30.4	30.2	64.0	63.9	4H	4V	Lumiled Rebel	72	TAG-LN-72-WHT-FL30.IES
	FL70	4,306	2,815	71.1	70.9	133.2	133.1	7H	7V	Lumiled Rebel	72	TAG-LN-72-WHT-FL70.IES

\*Please read special notes on bottom of page 7 for important photometric information.

- \*Special Notes: 1. Please note that TAG RGB initial lumen values are maximum. Due to the color mixing of RGB LEDs, actual lumen values may vary between colors.  
2. Please note due to the unique optics, luminous openings of the TAG linear products, and constraints with goniophotometers, photometric software and far field photometry, special care is required when wall grazing with linear products inside 18 inches of the targeted surface. Please refer to our website for technical instructions and special photometric files to accurately model wall grazing effects with the TAG linear products.  
3. Please note the SP9 optic in the TAG linear products is not recommended for wall grazing within 3 feet of the targeted surface. SP12 and FL optics are recommended for wall grazing inside 3 feet of targeted surface.  
4. Please contact our factory for further photometric and technical assistance.

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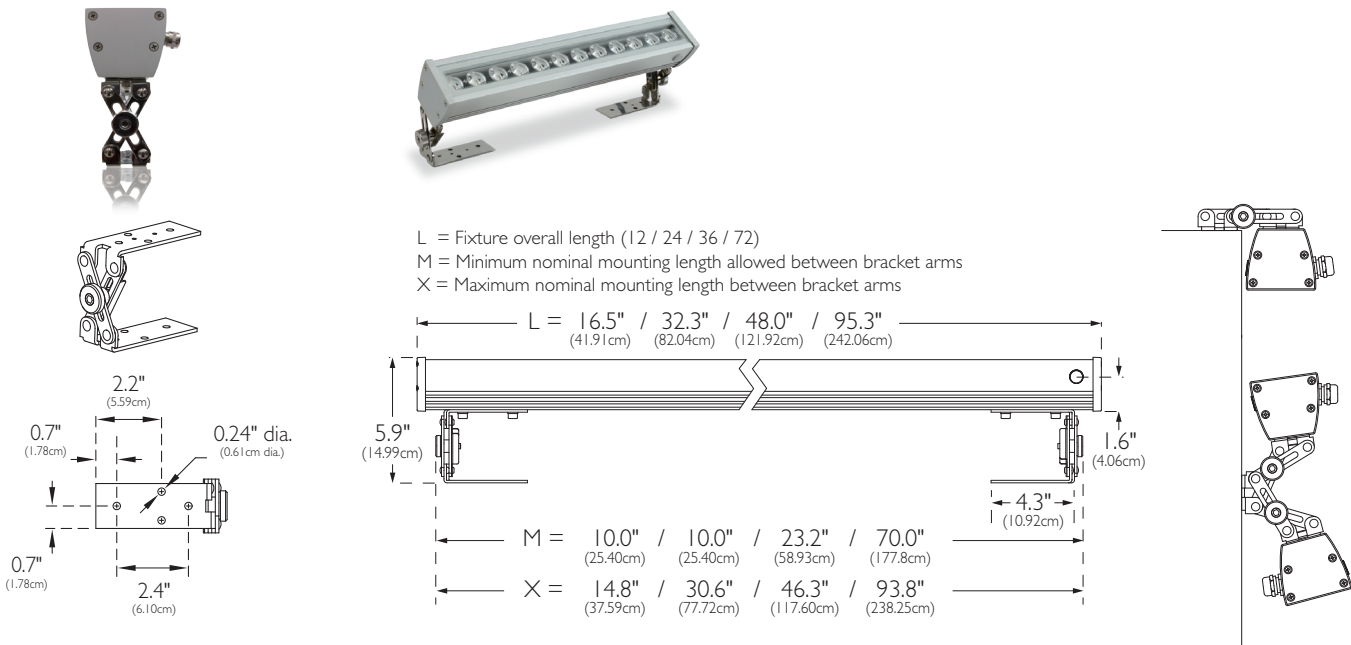
### Option details (Factory Installed)

#### Mounting

**BA** Bracket Arm (standard)

Stainless steel bracket arms provide a wide range of aiming and adjustability. 'BA' option not required with the use of 'SA-TAGLN-TSA' or 'LA-TAGLN-TSA' arm mount accessories. Maximum arm spacing dimensions are shown below. Bracket arms can be adjusted along the length of the housing as needed for flexibility and ease of installation. All anchors are by others.

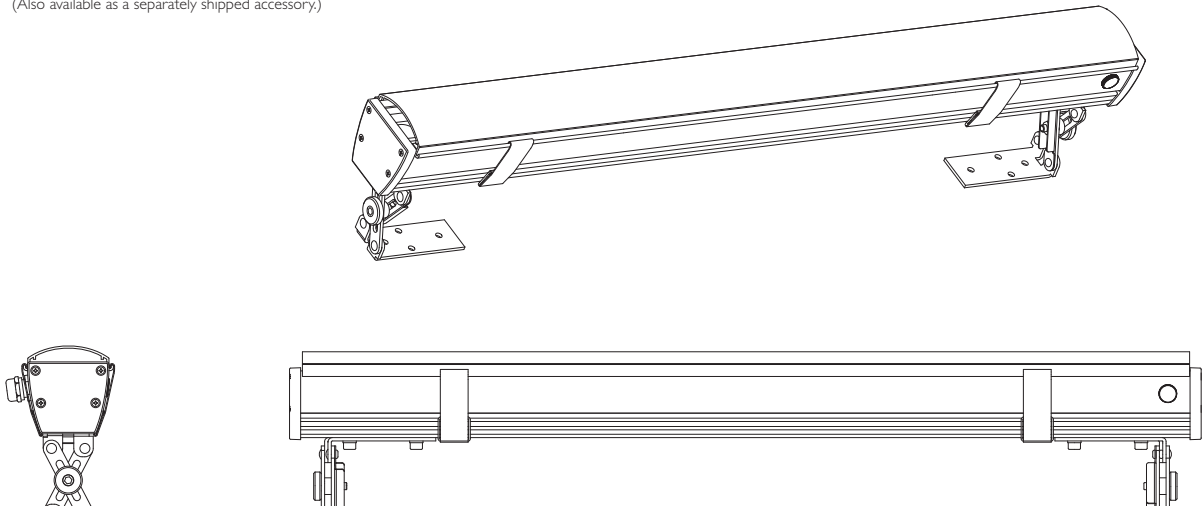
(Please see TAG-LN Bracket Arm installation instruction sheet 801511 for additional details.)



#### Shielding (pre-attached)

**SG** Stone Guard (poly)

Fixture may be ordered with optional factory installed polycarbonate stone guard.  
(Also available as a separately shipped accessory.)





# TAG-LN Series

## Linear LED Floodlight - White or RGB

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### Option details (Factory Installed)

#### Factory DMX Addressing Options

All TAG RGB luminaires come with the same standard factory default DMX address unless specified. They are assigned fixture number 1 with DMX channel address of 1, 2, 3. Each DMX channel can be associated to a specific Red, Green, and Blue value. There can be up to 170 independent fixture numbers with channel addresses up to 510. (See chart below for address details.) DMX addresses can be factory set using the 'FDA-SEQ' or 'FDA-CUS' options. Addressing can also be manually changed or programmed in the field using our 'HAP' handheld programmer accessory. (Please see page 10 for 'HAP' details.)

Level-3 ColorDial control requires specific DMX Addressing only if the 'Chasing Rainbow' mode is to be used. All other functions of our ColorDial standalone DMX controller do not require specific DMX addressing. (Please see page 3 of ColorDial spec sheet WLSP0333 for details.)

Level-4 control using off-the-shelf DMX systems and software will require specific DMX Addressing for independent fixture control.

#### FDA-SEQ

Sequential DMX Addressing

All TAG RGB luminaires will be factory sequentially addressed with their own specific Fixture Number and DMX channel address based on the quantity of each individual line item. (Fixture Number: 1, 2, 3, 4, 5,...10, 11, 12, etc.)

#### FDA-CUS

Custom DMX Addressing

All TAG RGB luminaires can be custom addressed at the factory to meet design requirements. To be used if you have multiple line items with varying fixture types, optics, etc. that require specific addressing. Please contact factory for assistance. **Submittal forms and approval will be required.**

Fixture Number	DMX Channel Address	Fixture Number	DMX Channel Address	Fixture Number	DMX Channel Address	Fixture Number	DMX Channel Address	Fixture Number	DMX Channel Address
1	1, 2, 3	35	103, 104, 105	69	205, 206, 207	103	307, 308, 309	137	409, 410, 411
2	4, 5, 6	36	106, 107, 108	70	208, 209, 210	104	310, 311, 312	138	412, 413, 414
3	7, 8, 9	37	109, 110, 111	71	211, 212, 213	105	313, 314, 315	139	415, 416, 417
4	10, 11, 12	38	112, 113, 114	72	214, 215, 216	106	316, 317, 318	140	418, 419, 420
5	13, 14, 15	39	115, 116, 117	73	217, 218, 219	107	319, 320, 321	141	421, 422, 423
6	16, 17, 18	40	118, 119, 120	74	220, 221, 222	108	322, 323, 324	142	424, 425, 426
7	19, 20, 21	41	121, 122, 123	75	223, 224, 225	109	325, 326, 327	143	427, 428, 429
8	22, 23, 24	42	124, 125, 126	76	226, 227, 228	110	328, 329, 330	144	430, 431, 432
9	25, 26, 27	43	127, 128, 129	77	229, 230, 231	111	331, 332, 333	145	433, 434, 435
10	28, 29, 30	44	130, 131, 132	78	232, 233, 234	112	334, 335, 336	146	436, 437, 438
11	31, 32, 33	45	133, 134, 135	79	235, 236, 237	113	337, 338, 339	147	439, 440, 441
12	34, 35, 36	46	136, 137, 138	80	238, 239, 240	114	340, 341, 342	148	442, 443, 444
13	37, 38, 39	47	139, 140, 141	81	241, 242, 243	115	343, 344, 345	149	445, 446, 447
14	40, 41, 42	48	142, 143, 144	82	244, 245, 246	116	346, 347, 348	150	448, 449, 450
15	43, 44, 45	49	145, 146, 147	83	247, 248, 249	117	349, 350, 351	151	451, 452, 453
16	46, 47, 48	50	148, 149, 150	84	250, 251, 252	118	352, 353, 354	152	454, 455, 456
17	49, 50, 51	51	151, 152, 153	85	253, 254, 255	119	355, 356, 357	153	457, 458, 459
18	52, 53, 54	52	154, 155, 156	86	256, 257, 258	120	358, 359, 360	154	460, 461, 462
19	55, 56, 57	53	157, 158, 159	87	259, 260, 261	121	361, 362, 363	155	463, 464, 465
20	58, 59, 60	54	160, 161, 162	88	262, 263, 264	122	364, 365, 366	156	466, 467, 468
21	61, 62, 63	55	163, 164, 165	89	265, 266, 267	123	367, 368, 369	157	469, 470, 471
22	64, 65, 66	56	166, 167, 168	90	268, 269, 270	124	370, 371, 372	158	472, 473, 474
23	67, 68, 69	57	169, 170, 171	91	271, 272, 273	125	373, 374, 375	159	475, 476, 477
24	70, 71, 72	58	172, 173, 174	92	274, 275, 276	126	376, 377, 378	160	478, 479, 480
25	73, 74, 75	59	175, 176, 177	93	277, 278, 279	127	379, 380, 381	161	481, 482, 483
26	76, 77, 78	60	178, 179, 180	94	280, 281, 282	128	382, 383, 384	162	484, 485, 486
27	79, 80, 81	61	181, 182, 183	95	283, 284, 285	129	385, 386, 387	163	487, 488, 489
28	82, 83, 84	62	184, 185, 186	96	286, 287, 288	130	388, 389, 390	164	490, 491, 492
29	85, 86, 87	63	187, 188, 189	97	289, 290, 291	131	391, 392, 393	165	493, 494, 495
30	88, 89, 90	64	190, 191, 192	98	292, 293, 294	132	394, 395, 396	166	496, 497, 498
31	91, 92, 93	65	193, 194, 195	99	295, 296, 297	133	397, 398, 399	167	499, 500, 501
32	94, 95, 96	66	196, 197, 198	100	298, 299, 300	134	400, 401, 402	168	502, 503, 504
33	97, 98, 99	67	199, 200, 201	101	301, 302, 303	135	403, 404, 405	169	505, 506, 507
34	100, 101, 102	68	202, 203, 204	102	304, 305, 306	136	406, 407, 408	170	508, 509, 510

# TAG-LN Series

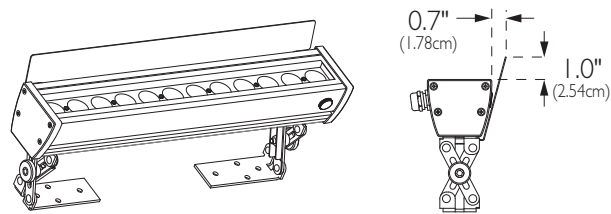
Linear LED Floodlight - White or RGB

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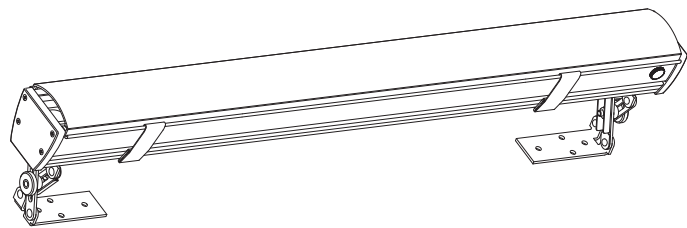
Accessory details (Shipped Separately)

**Shielding Accessories** ("TS" finish is black unless otherwise specified, mounting hardware included)

- TS-TAGLN12** Top Shield (TAG-LN-12)
- TS-TAGLN24** Top Shield (TAG-LN-24)
- TS-TAGLN36** Top Shield (TAG-LN-36)
- TS-TAGLN72** Top Shield (TAG-LN-72)



- SG-TAGLN12** Stone Guard (poly) (TAG-LN-12)
- SG-TAGLN24** Stone Guard (poly) (TAG-LN-24)
- SG-TAGLN36** Stone Guard (poly) (TAG-LN-36)
- SG-TAGLN72** Stone Guard (poly) (TAG-LN-72)



# TAG-LN Series

## Linear LED Floodlight - White or RGB

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### Accessory details (Shipped Separately)

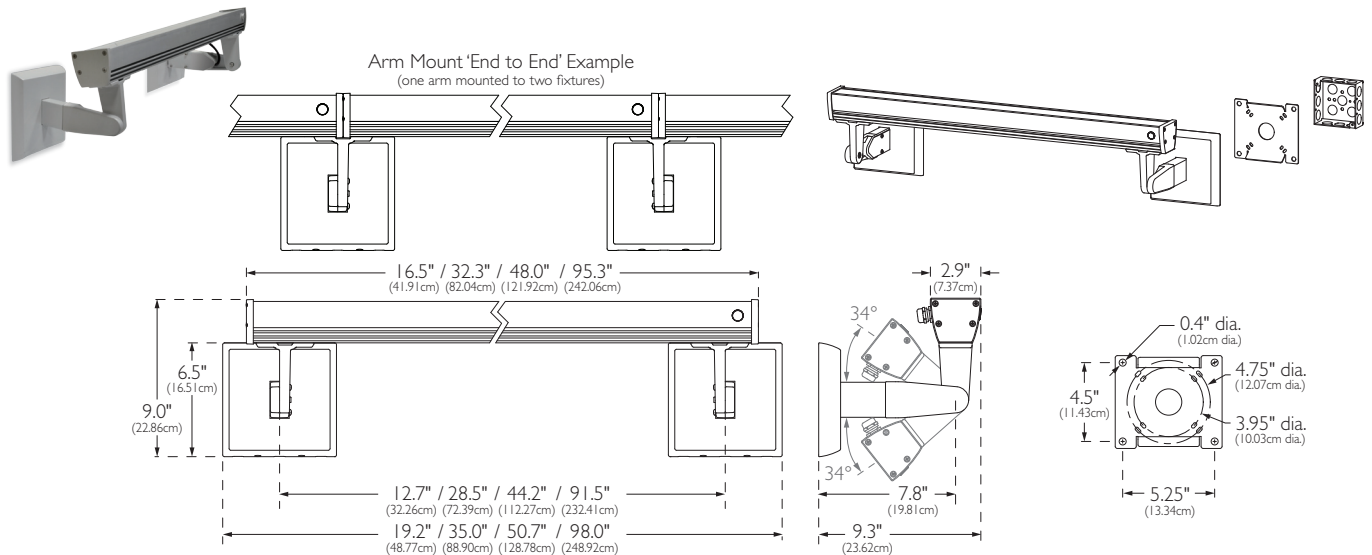
#### Mounting Accessories

Both Short and Long Straight arm accessories can easily mount direct to both horizontal and vertical surfaces. Can also mount to a recessed 4" square or octagonal J-Box (by others). Fixture power/DMX cable routes through the arm's covered internal channel. Maximum arm spacing dimensions are shown below for a single fixture. Long and short arms can be adjusted along the length of the housing as needed for flexibility and ease of installation. Single arm bracket can be used to mount two fixtures 'End to End' (see example illustration below for details). All anchors are by others.

(Please see 'SA/LA-TAGLN-TSA' installation instruction sheet 801512 for additional details.)

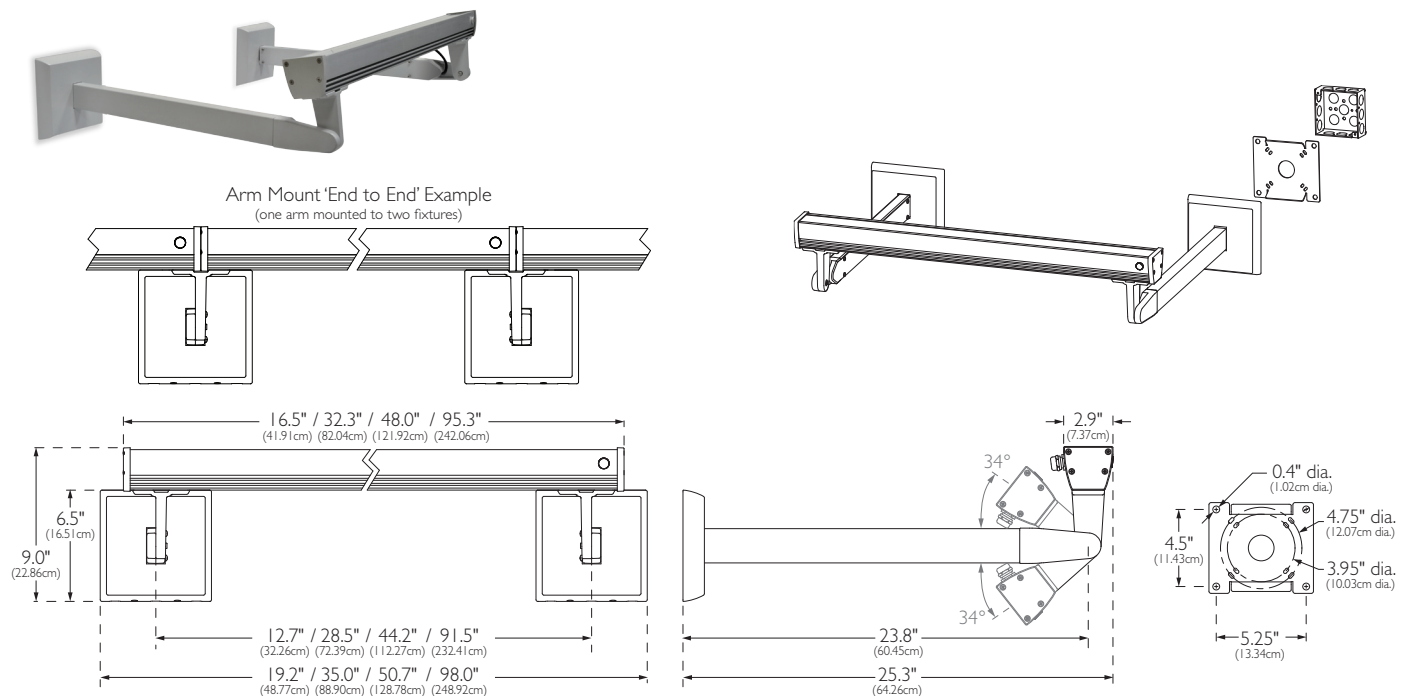
#### SA-TAGLN-TSA

Short Straight Arm (8")



#### LA-TAGLN-TSA

Long Straight Arm (24")



Philips Wide-Lite reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications / availability subject to change by manufacturer without notice. Please refer to detailed specification sheets for additional information and spec details.  
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**PHILIPS**  
**WideLite**

# TAG-LN Series

## Linear LED Floodlight - White or RGB

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### Accessory details (Shipped Separately)

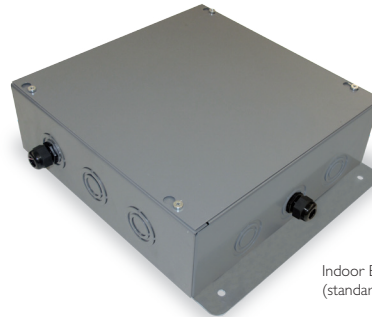
#### Driver Accessories

TAG drivers and boxes are able to accept 120-277 line voltage input and output 24VDC. Must be ordered separately or can be provided by others. Driver boxes are available in both outdoor wet location and indoor versions.

(Please see TAG-DR Series spec sheet WLSP0286 for availability, wire sizing and specification details.)



Wet Location Box  
(stainless steel option shown)



Indoor Box  
(standard gray shown)

#### DMX Accessories

##### CLRD

##### ColorDial DMX Controller



Standalone DMX controller with eight preset lighting effects. Push button cycles through effects. Rotary dial controls effect speed, fixed color steps, or dimming of white. Field or factory DMX addressing is required for use with ColorDial's 'Chasing Rainbow' effects.

('Chasing Rainbow' effects can control fixtures in series of 4, 8 or 12.)

(ColorDial can recognize DMX fixture addresses 1 to 60, then must repeat either 1 to 4, 1 to 8, 1 to 12 or 1 to 60)

(Please see ColorDial spec sheet WLSP0333 for instructions and specification details.)

##### HAP

##### Handheld Programmer



Field DMX programmer that allows you to manually set 'Master' and 'Drone' units, or set DMX channel addresses for each individual TAG RGB luminaire. Channel addressing required for use with ColorDial's 'Chasing Rainbow' effects and off-the-shelf DMX systems and software.

(Please see 'HAP' instruction sheet 801513 for details.)

##### DMXSR

##### DMX Signal Repeater & Splitter

Up to 32 individual TAG luminaires can be controlled via a single DMX controller ('Master' unit, ColorDial or off-the-shelf DMX controller). If more than 32 fixtures are to be wired in series, additional controllers are required or use of our 'DMXSR' DMX signal repeater. The 'DMXSR' accessory also can split a single DMX input signal into as many as four individual branched signals for easier installation of zonal applications.

(Please see 'DMXSR' instruction sheet 801524 for details.)

# TAG-LN Series

## Linear LED Floodlight - White or RGB

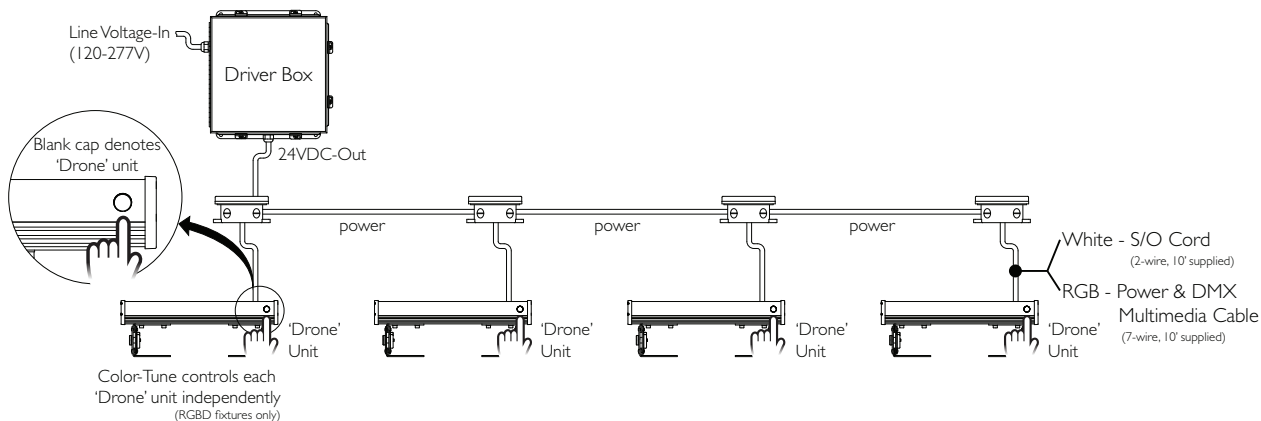
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### Typical Wiring Examples (for reference use only)

Note: The wiring diagrams shown below are for some typical TAG configurations and should be used for reference only. There are multiple ways that TAG products can be installed by the electrical contractor. Wire sizing and DMX control wiring is per the discretion of the electrical engineer and/or installing contractor. All local electrical codes apply to wiring and installation. Please contact the factory if you need assistance or guidance in regards to determining what is the best solution for your specific project.

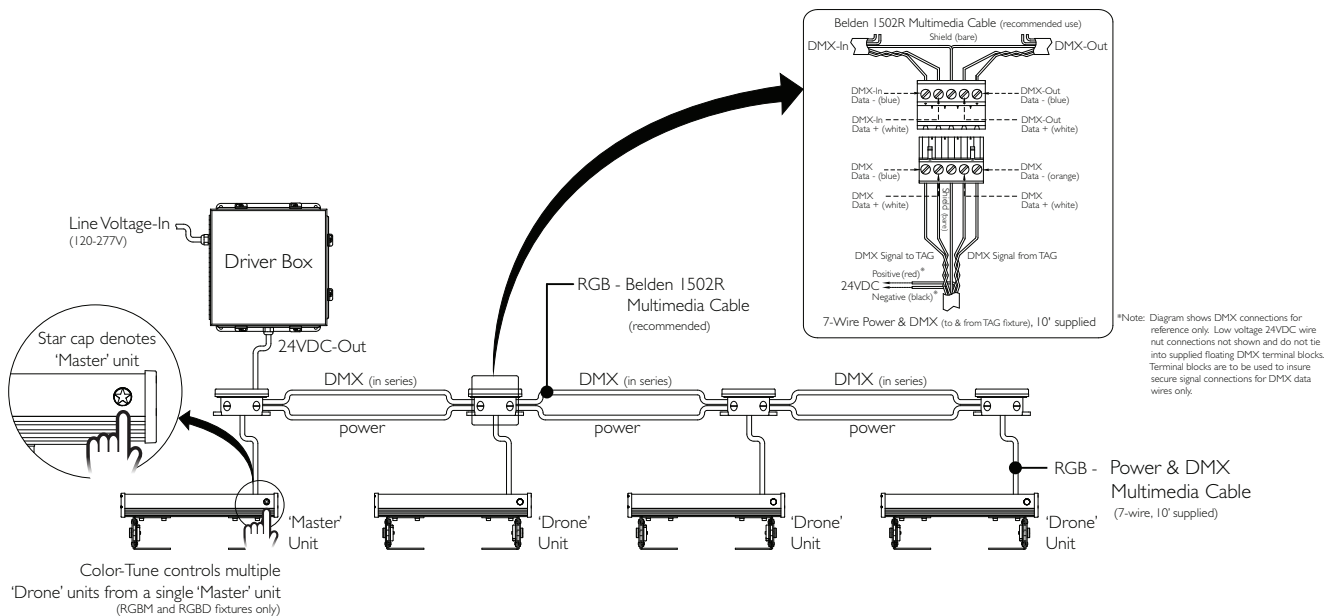
#### Typical White LED Units or RGBD 'Drone' Units with Level-1 Color-Tune Control Example

(no DMX wiring required)



#### Typical 'Master' & 'Drone' Units with Level-2 Color-Tune Control Example

(fixture DMX wires must be wired in series)



Note: Maximum number of 32 TAG RGB luminaires can be run in series when controlled by a single DMX source. Additional DMX controller or use of our 'DMXSR' DMX Signal Repeater/Splitter required for runs greater than 32 fixtures.

# TAG-LN Series

## Linear LED Floodlight - White or RGB

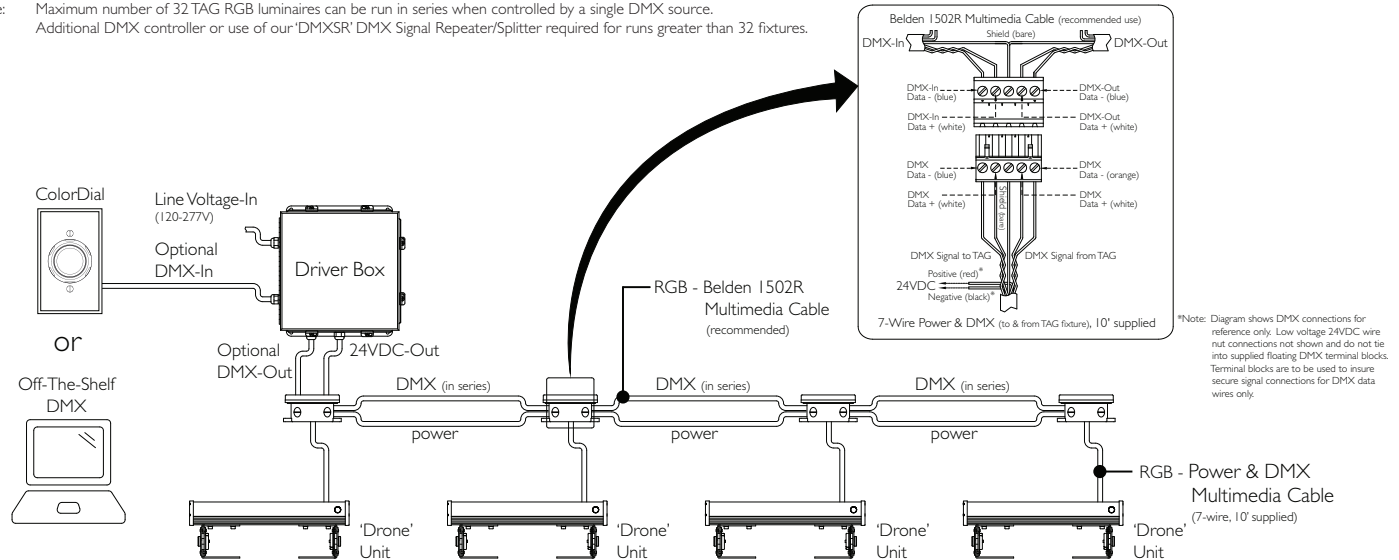
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### Typical Wiring Examples (for reference use only)

Note: The wiring diagrams shown below are for some typical TAG configurations and should be used for reference only. There are multiple ways that TAG products can be installed by the electrical contractor. Wire sizing and DMX control wiring is per the discretion of the electrical engineer and/or installing contractor. All local electrical codes apply to wiring and installation. Please contact the factory if you need assistance or guidance in regards to determining what is the best solution for your specific project.

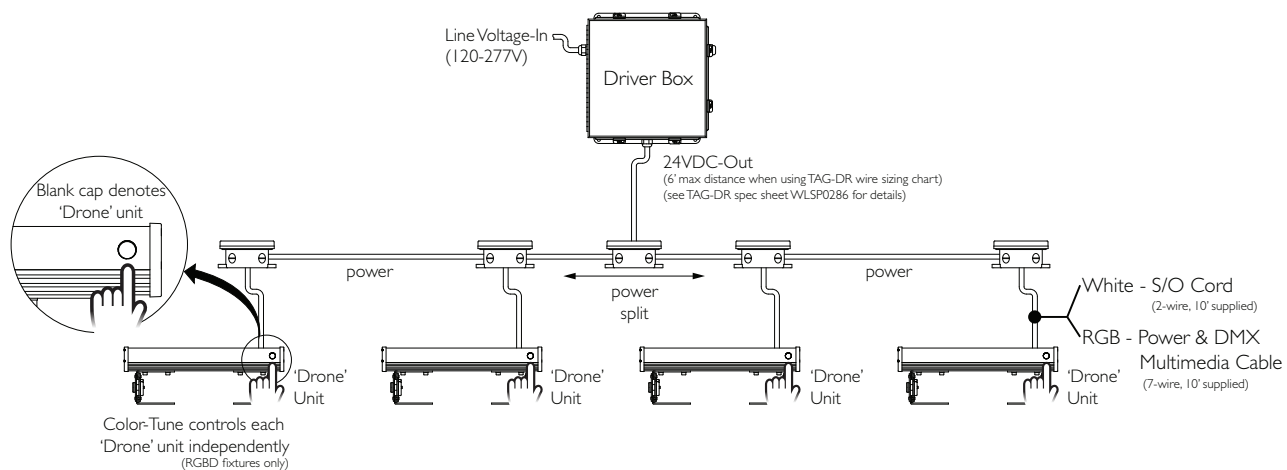
### Typical 'Drone' Units with Level-3 ColorDial or Level-4 Off-The-Shelf DMX Control Example (fixture DMX wires must be wired in series) (Driver Box's optional 'DMX' terminal block recommended)

Note: Maximum number of 32 TAG RGB luminaires can be run in series when controlled by a single DMX source. Additional DMX controller or use of our 'DMXSR' DMX Signal Repeater/Splitter required for runs greater than 32 fixtures.



### Typical Split Power Run Example without DMX

(shown with White LED units or RGBD 'Drone' units with Level-1 Color-Tune Control)  
(no DMX wiring required)



# TAG-LN Series

## Linear LED Floodlight - White or RGB

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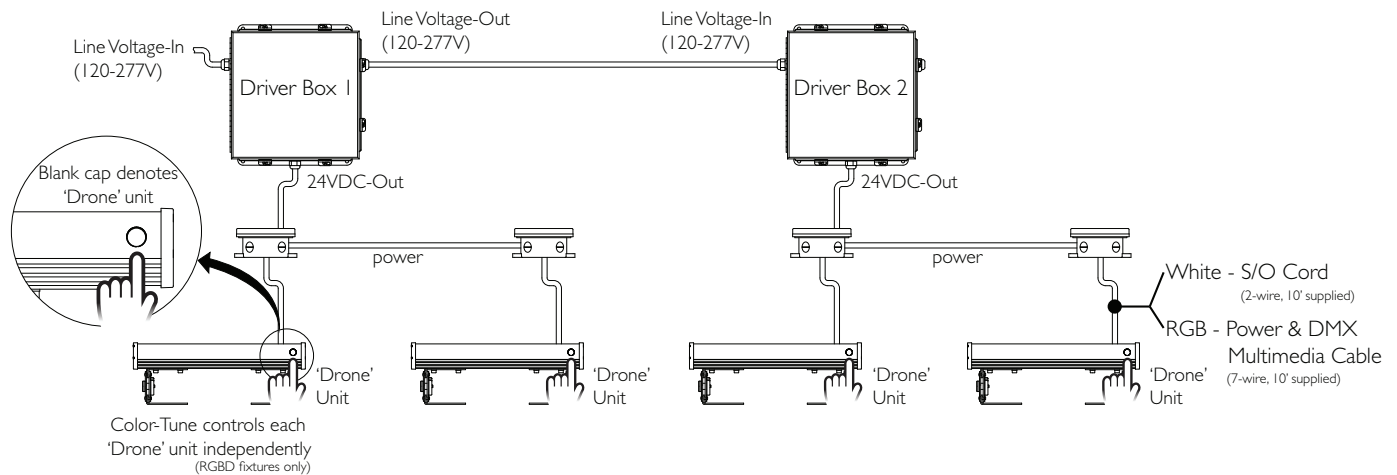
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### Typical Wiring Examples (for reference use only)

Note: The wiring diagrams shown below are for some typical TAG configurations and should be used for reference only. There are multiple ways that TAG products can be installed by the electrical contractor. Wire sizing and DMX control wiring is per the discretion of the electrical engineer and/or installing contractor. All local electrical codes apply to wiring and installation. Please contact the factory if you need assistance or guidance in regards to determining what is the best solution for your specific project.

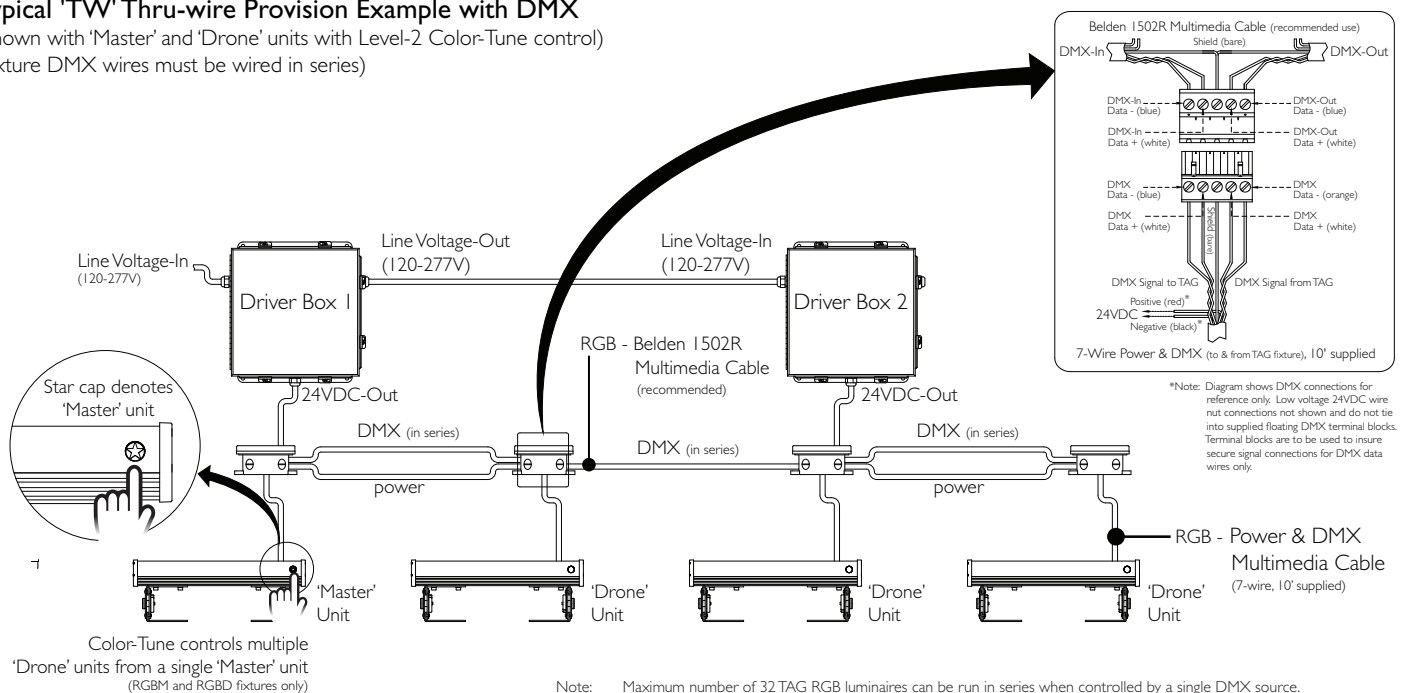
#### Typical 'TW' Thru-wire Provision Example without DMX

(shown with White LED units or RGBD 'Drone' units with Level-1 Color-Tune control)  
(no DMX wiring required)



#### Typical 'TW' Thru-wire Provision Example with DMX

(shown with 'Master' and 'Drone' units with Level-2 Color-Tune control)  
(fixture DMX wires must be wired in series)



# TAG-LN Series

## Linear LED Floodlight - White or RGB

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### Identification and Warnings of Safety Hazards:

#### Read and understand these guides before installing any luminaire component

Any Philips Wide-Lite related electrical component is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding.

In accordance with ANSI Z535.4 the following system of identifying the severity of the hazards associated with the products is used:

**“Danger”** Imminently hazardous situation which, if not avoided, will result in death or serious injury.

**“Warning”** Potentially hazardous situation that, if not avoided, could result in death or serious injury.

**“Caution”** Potentially hazardous situation that, if not avoided, may result in minor or moderate injury or property damage.

**Warning:** Ensure that main power supply is off before installing, wiring, or servicing any electrical component. Failure to adhere to these instructions can result in death or serious injury.

**Warning:** All Philips Wide-Wide Products must be installed by a qualified professional in accordance with NEC and relevant local codes. Failure to comply can result in death, serious injury, or property damage.

**Warning:** Do not attempt to install or use any Philips Wide-Lite product until you read and understand the installation instructions and safety labels. Failure to adhere to these instructions could result in serious injury or property damage.

**Caution:** Do not modify or alter any Philips Wide-Lite product. Doing so will void the warranty.

**Caution:** TAG luminaires have no user serviceable parts. Do not open. Doing so will void the warranty.

#### Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate all Philips Wide-Lite equipment in such a manner as to comply with all state and local laws, ordinances, regulations, and the American National Standard Institute Safety Code.

### Notes:

