



## Wireless Modular Tower Light

Monitor where you couldn't before: Effectively manage your factory visually without the cost of wiring.

- **Save money and time** – eliminate costly and time-consuming wire runs
- Scalable **all-in-one solution** with two-way wireless communication and visual status indication
- **Improve productivity** with a clear, easy-to-read signal tower light
- Use in harsh environments with rugged, water-resistant IP65 housing with UV-stabilized material
- Segments appear gray when off to **eliminate false indication** from ambient light





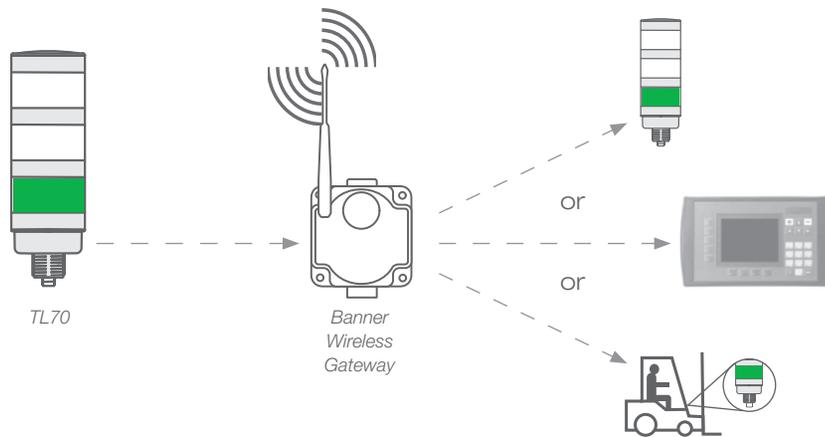
## TL70 Wireless Modular Tower Light

# Eliminate the Cost of Wiring

Remote status monitoring without lengthy and expensive cable runs.

### 1-Way Communication

The TL70 relays machine status to a remote device



#### TL70 Wireless Tower Light

- A TL70 emulates machine status and transmits updates over a wireless network
- A remote TL70 indicator receives the updates and displays the appropriate status, enabling remote monitoring without requiring any cable runs



#### PLC or HMI

- Machine status updates are transmitted by the TL70 over a secure wireless network
- Status updates are received by the device, triggering an action or prompting a response from an operator at a workstation away from the machine

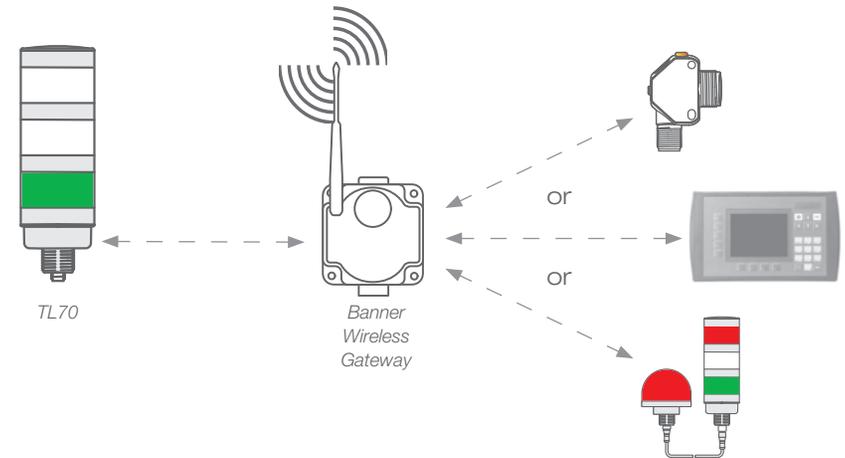


#### Mobile Equipment

- Status updates are communicated over a robust wireless network
- A device installed on mobile equipment receives updates from the TL70
- Operators can respond quickly to changing conditions from the mobile equipment

### 2-Way Communication

The TL70 relays a status to a remote device  
AND receives input from a remote device



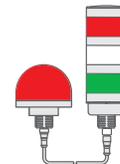
#### Machine or Sensor Input

- Status updates are transmitted to the TL70 indicator
- The TL70 receives the updates and displays the appropriate status, providing at-a-glance status information



#### PLC or HMI

- Conditions are communicated by the TL70 to a device
- A response from the device is transmitted back to the TL70 indicator
- The TL70 displays the updated status, providing an easy-to-see acknowledgement of any action



#### Personnel Input

- A change in status initiated by an operator is transmitted over the wireless network
- An operator at the receiving device acknowledges the status update
- The updated status is displayed by both TL70s, enabling visual communication between stations

# The Easiest Tower Light to Install

The TL70 tower light design is user friendly with just a few easy steps to complete installation.

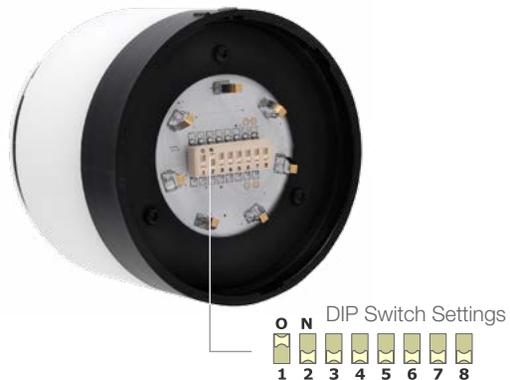
## 1. Bind Base to Gateway

- Enter binding mode on TL70 with simple push button
- Scalable up to 47 Nodes per Gateway
- Easy-access dials to assign Node(s) address



## 2. Build Light Segments

- Assign module position (switches 1-6)
- Assign flash rate or audible tone (switches 7-8)



- Align segment markings
- Press together
- Twist to lock



## 3. Map Base to Gateway

- Universal configuration tool license-free software
- Assign I/O



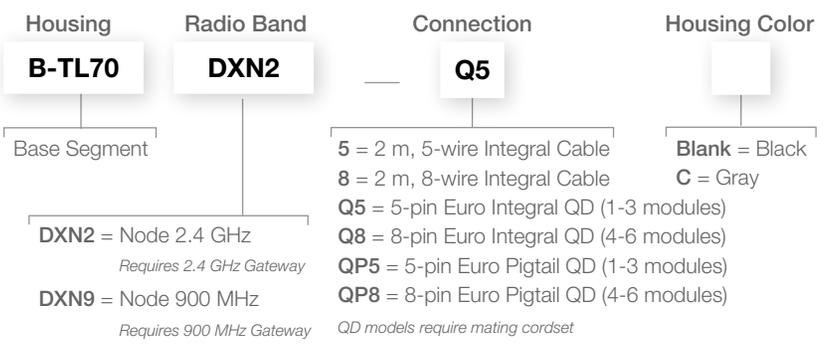


# TL70 Wireless Modular Tower Light

## Order Components to Build your Own

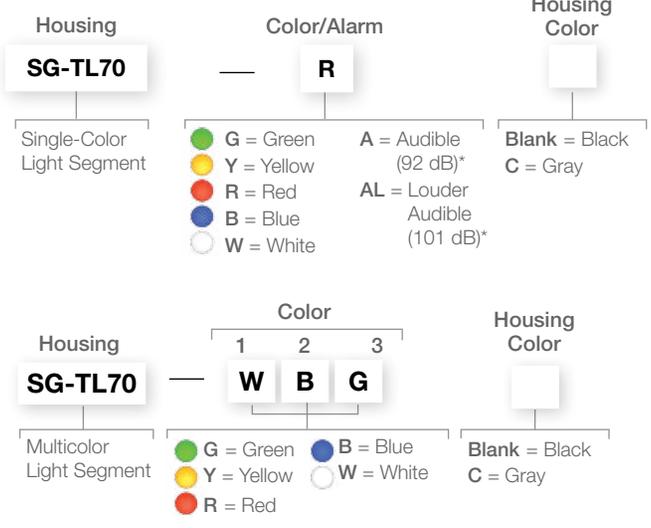
Base (1) and Light Segments (2)

1

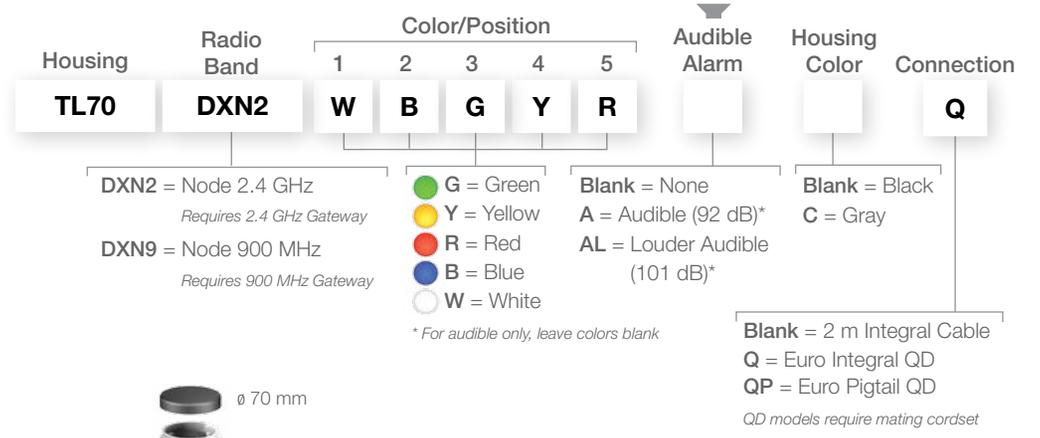


2

## TL70 Light Segments



## Order Preassembled



<b>Supply Voltage</b>	12 to 30 V dc
<b>Construction</b>	Bases, Covers and Light Segments: Polycarbonate
<b>Environmental Rating</b>	IP65
<b>Operating Temperature</b>	-40 to +50 °C (-40 to +122 °F)
<b>Certifications</b>	CE UL LISTED

## PM Gateways (10-30 V dc)

Models	Description	Frequency
<a href="#">DX80G9M6S-PM2</a>	4 Discrete in, 4 Discrete out	900 MHz
<a href="#">DX80G2M6S-PM2</a>	2 Analog in, 2 Analog out	2.4 GHz
<a href="#">DX80G9M6S-PM8</a>	6 Discrete in, 6 Discrete out	900 MHz
<a href="#">DX80G2M6S-PM8</a>	6 Discrete in, 6 Discrete out	2.4 GHz

## Gateway Pros (10-30 V dc)

<a href="#">DX80P9T6S-P</a>		900 MHz
<a href="#">DX80P2T6S-P</a>	Modbus/TCP to EtherNet/IP Converter	2.4 GHz
<a href="#">DX80P9A6S-P</a>		900 MHz
<a href="#">DX80P2A6S-P</a>		2.4 GHz

## MultiHop Modbus (FlexPower\*)

<a href="#">DX80DR9M-H</a>	Serial interface: user selectable between RS-485 or RS-232	900 MHz
<a href="#">DX80DR2M-H</a>		2.4 GHz

\* FlexPower® power options allow for 10 – 30 V DC, solar, and battery power sources for low power applications

## Accessories

### Cordsets

<b>5-Pin M12/ Euro-Style Cordsets*</b> Straight connector models listed	<a href="#">MQDC1-506</a> 2 m (6.5') <a href="#">MQDC1-515</a> 5 m (15') <a href="#">MQDC1-530</a> 9 m (30')
<b>8-Pin M12/ Euro-Style Cordsets**</b> Straight connector models listed.	<a href="#">MQDC2S-806</a> 2 m (6.5') <a href="#">MQDC2S-815</a> 5 m (15') <a href="#">MQDC2S-830</a> 9 m (30')

\*\* For right-angle models add RA to the end of model number (example, MQDC1-506RA)





# TL70 Wireless Modular Tower Light

Link to  
data sheets

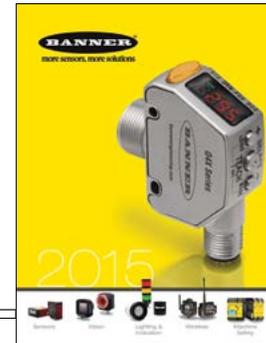
**WLC90 Heavy Duty LED Light**



Banner's WLC90 Heavy Duty Light is designed to operate in harsh environments and withstand harsh conditions. These are compact and rugged, making them an excellent choice for machine covers and food processing applications.

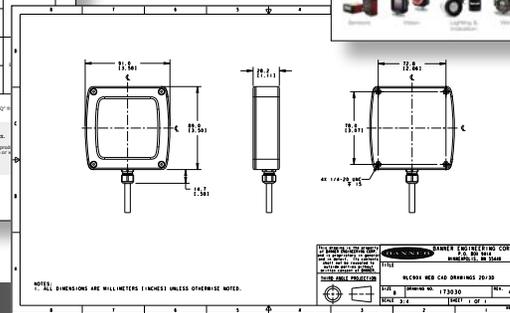
- High lumen, and other features with 100, 200, and 300 lumen
- Wide operating temperature range with an optional mounting bracket that fits the LED in a 1/8" hole at extreme temperatures.
- Three beam choices to suit your application needs.
- Six and six brackets for versatile mounting to direct the light in any direction.
- Models have three discrete intensity level settings.

Model	Lumen Rating	Connection	Window
WLC90W100	100 lumens	Banner 4-Pin Euro QD Side Exit	1.5" diameter
WLC90W200	200 lumens		
WLC90W300	300 lumens		
WLC90W100	100 lumens	Banner 4-Pin Euro QD Rear Exit	1.5" diameter
WLC90R100	100 lumens		
WLC90R200	200 lumens		
WLC90W100	100 lumens	Banner 4-Pin Euro QD Side Exit	1.5" diameter
WLC90W200	200 lumens		
WLC90W300	300 lumens		
WLC90W100	100 lumens	Banner 4-Pin Euro QD Rear Exit	1.5" diameter
WLC90R100	100 lumens		
WLC90R200	200 lumens		



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