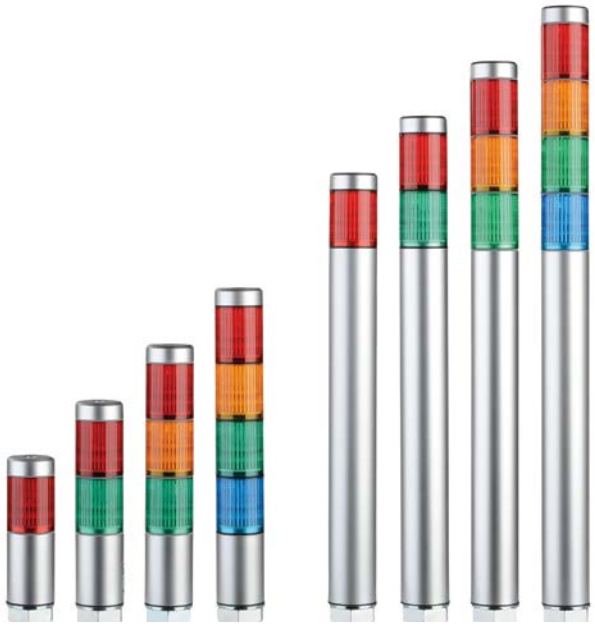
PATLITE® 30mm LED Signal Towers

Features

- Prism-cut lens design for enhanced visibility from any direction
- Double-insulated construction for enhanced durability and safety in the work environment.
- Direct mount installation with just a single hole.
- Interchangeable modules do not need re-wiring, even after installation
- Main body is constructed of superior impact and heat resistant ABS resin (not recommended for outdoor use).
- Lens is made of superior weather resistant and light translucent AS resin.
- Optional MP-B buzzer available. Please see accessories section for ordering information.
- UL recognized File No. E215660
- IP65 ingress protection rating



MPS MP

30mm LED Signal Towers Selection

Part Number	Price	Drawing Link	Modules			Polarity	Light Function	Wiring	Body Style	Mounting
			#	LED						
MPS-102-R	$103.00	PDF	1	Red	–	NPN/PNP	Continuous light	1000mm pigtail	Short body	Direct mount installation
MPS-202-RG	$135.00	PDF	2	Red, Green	–					
MPS-302-RYG	$169.00	PDF	3	Red, Amber, Green	–					
MPS-402-RYGB	$201.00	PDF	4	Red, Amber, Green, Blue	–					
MPS-102-RZ	$103.00	PDF	1	Red	Clear lens					
MPS-202-RGZ	$141.00	PDF	2	Red, Green	Clear lens					
MPS-302-RYGZ	$174.00	PDF	3	Red, Amber, Green	Clear lens					
MPS-402-RYGBZ	$206.00	PDF	4	Red, Amber, Green, Blue	Clear lens					
MPS-102C-R	$103.00	PDF	1	Red	–			M12 Connector		
MPS-202C-RG	$128.00	PDF	2	Red, Green	–					
MPS-302C-RYG	$168.00	PDF	3	Red, Amber, Green	–					
MP-102-R	$103.00	PDF	1	Red	–			1180mm pigtail	Standard body	
MP-202-RG	$143.00	PDF	2	Red, Green	–					
MP-302-RYG	$168.00	PDF	3	Red, Amber, Green	–					
MP-402-RYGB	$204.00	PDF	4	Red, Amber, Green, Blue	–					
MP-102-RZ	$111.00	PDF	1	Red	Clear lens					
MP-202-RGZ	$143.00	PDF	2	Red, Green	Clear lens					
MP-302-RYGZ	$180.00	PDF	3	Red, Amber, Green	Clear lens					
MP-402-RYGBZ	$208.00	PDF	4	Red, Amber, Green, Blue	Clear lens					
MP-102C-R	$103.00	PDF	1	Red	–			M12 Connector		
MP-202C-RG	$143.00	PDF	2	Red, Green	–					
MP-302C-RYG	$175.00	PDF	3	Red, Amber, Green	–					

Note: Please see the accessories section of this section for optional and/or replacement components. Colors in order from left to right.

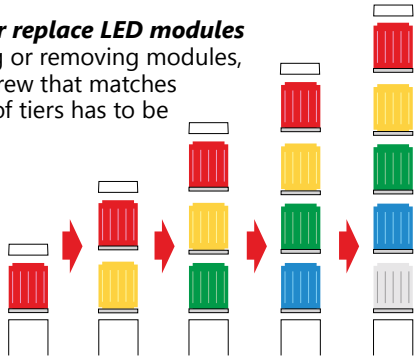
PATLITE® 30mm LED Signal Towers

Specifications

30mm LED Signal Towers Technical Specifications						
# of Tiers	*Part Number*		*Rated Voltage*	*Operating Voltage*	*Power Consumption*	*Weight g [oz]*
1	*MPS-102-R*		24V AC/DC	±10%	0.7 W	110 [3.88]
	MPS-102-RZ					
	MPS-102C-R		24VDC			
	MP-102-R		24V AC/DC			210 [7.41]
	MP-102-RZ					
	MP-102C-R		24VDC			
2	*MPS-202-RG*		24V AC/DC		1.4 W	130 [4.59]
	MPS-202-RGZ					
	MPS-202C-RG		24VDC			
	MP-202-RG		24V AC/DC			230 [8.11]
	MP-202-RGZ					
	MP-202C-RG		24VDC			
3	*MPS-302-RYG*		24V AC/DC		2.0 W	150 [5.29]
	MPS-302-RYGZ					
	MPS-302C-RYG		24VDC			
	MP-302-RYG		24V AC/DC			250 [8.82]
	MP-302-RYGZ					
	MP-302C-RYG		24VDC			
4	*MPS-402-RYGB*		24V AC/DC		2.6 W	170 [6.0]
	MPS-402-RYGBZ					
	MP-402-RYGB					270 [9.52]
	MP-402-RYGBZ					
Signal wire current (Rated Current Consumption)		*LED Unit*	*Red*	*Amber*	*Green*	*Blue*
		Typical	29.0 mA	29.5 mA	17.1 mA	17.1 mA
		Max	32.7 mA	34.5 mA	21.4 mA	21.4 mA
Luminosity			550mcd	650mcd	1900mcd	700mcd
Wire Size			22AWG			
Operating ambient temperature			-30 to +60°C [-22 to +140°F]			
Operating ambient humidity			Less than 90% (no condensation)			
Vibration resistance			19.6 m/s² @ 30Hz			
Insulation resistance			More than 1MΩ at 500VDC between the terminals and the chassis			
Withstand voltage			500VAC applied for 1 min between terminals and chassis without breaking insulation			
Ingress protection rating			IP65 (IEC 60529)			
*Conformity standards **			UL 508, CSA-C22.2 No.14, RoHs Directive (EN 50581)			

*** To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.**

Easily add or replace LED modules
When adding or removing modules, the center screw that matches the number of tiers has to be purchased.



Interchangeable LED Modules
Color sequence is changeable by adding or removing up to 5 color modules even after installation.

NOTE: LED modules of the same color within a signal tower will light up simultaneously.

Wiring does not change
The LED module colors correspond to the wiring, so re-wiring is not necessary.

PATLITE® 30mm LED Signal Towers

Accessories

Accessories for Patlite® 30mm Signal Towers			
Part Number	***Price***	***Drawing Link***	***Description***
MP-B	$77.00	PDF	80dB @ 1 meter / 3,000Hz add-on alarm; activated by red module
B72100182-1F1	$45.50	PDF	Red LED module
B72100182-2F1	$45.50	PDF	Amber LED module
B72100182-3F1	$45.50	PDF	Green LED module
B72100182-4F1	$45.50	PDF	Blue LED module
B72100182-7F1	$45.50	PDF	Clear/white LED module
B72100192-1F1	$45.50	PDF	Red LED module with clear lens
B72100192-2F1	$45.50	PDF	Amber LED module with clear lens
B72100192-3F1	$45.50	PDF	Green LED module with clear lens
B72100192-4F1	$45.50	PDF	Blue LED module with clear lens
S33552120-0355F1	$6.50	N/A	1-tier center screw, zinc plated steel
S33552120-0390F1	$6.50	N/A	2-tier center screw, zinc plated steel
S33552120-03125F1	$8.00	N/A	3-tier center screw, zinc plated steel
S33552120-03160F1	$8.00	N/A	4-tier center screw, zinc plated steel
B25110032-F1	$8.00	N/A	LED module o-ring, silicone
SZ-904	$20.00	PDF	22mm to 3/4"FNPT adapter, aluminum
SZ-150	$25.50	PDF	220mm extension pole, ABS plastic
B32310025-F1	$10.50	PDF	30mm diameter cap, ABS plastic

MP-B

B72100xxx-xF1

SZ-150

SZ-904

S33552120-03xxxxx

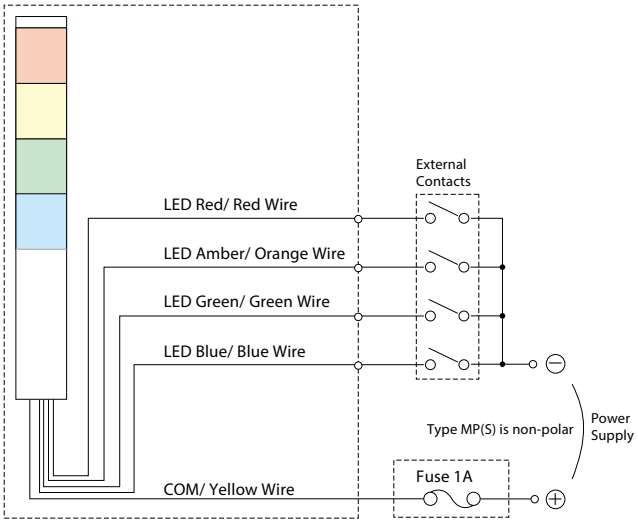
B32310025-F1

B25110032-F1

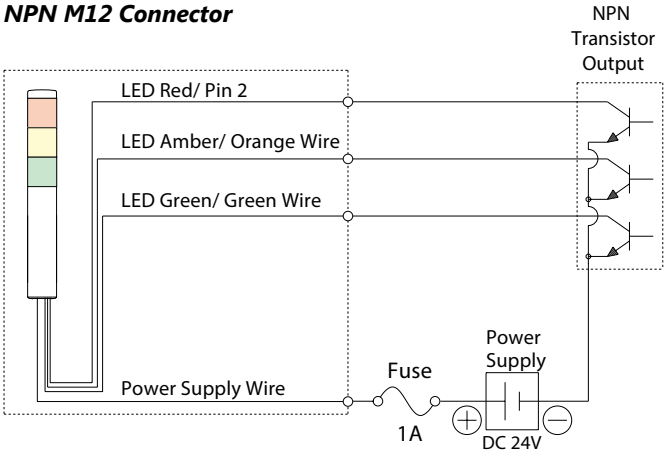
PATLITE® 30mm LED Signal Towers

Wiring

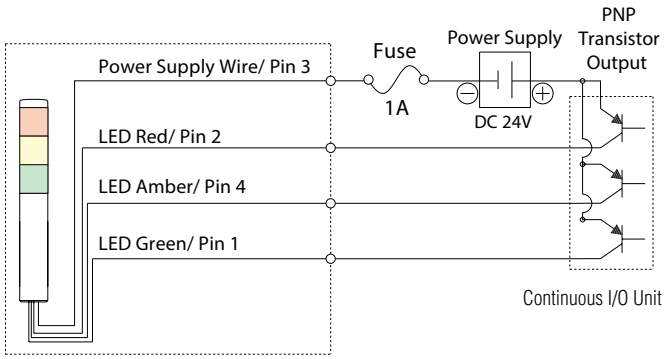
Contact/Switch

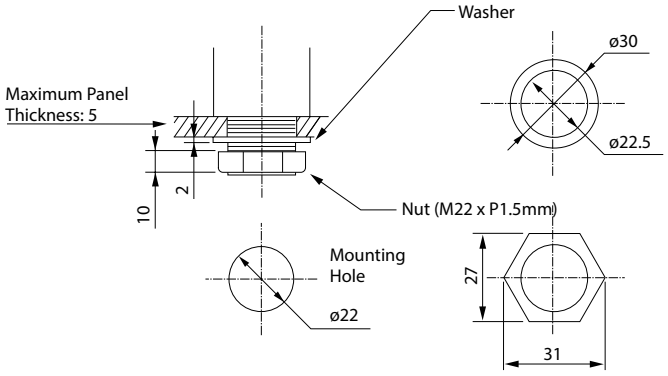


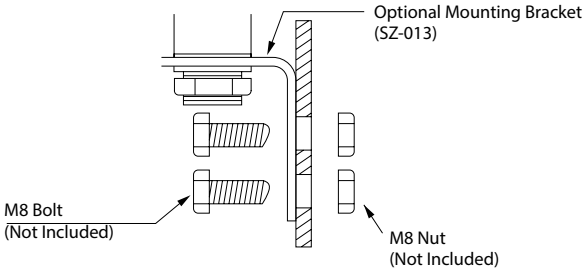
NPN M12 Connector



PNP M12 Connector

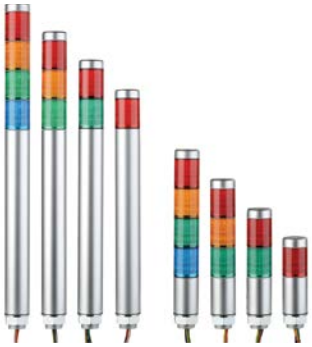






PATLITE® Slim Design LED Signal Towers

MES-A and ME-A 25mm Super Slim Signal Towers
These rust-free aluminum body signal towers are designed to be direct mounted. LED module lenses are clear and change color when activated. The super slim design is ideal for tight spaces.



MPS and MP 30mm Signal Towers
These LED towers offer superior impact and heat resistance and have an ABS resin main body. They are designed for direct mounting and have a double insulation for enhanced durability and safety.

LR4 40mm Signal Towers
The LR4 Series feature low maintenance and energy efficiency using LED technology.

LS7 70mm Signal Towers
The LS7 Series feature a smooth body surface that reduces adhesion of water and dust. There are no exposed screws, shafts or other metals making these signal towers adaptable in many environments. This model is suitable for high pressure and high temperature wash down environments. An available model with a buzzer has a sound frequency that cuts through loud environments.

Accessories