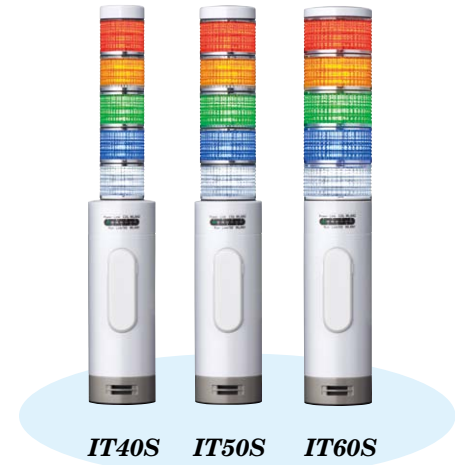


## IT40S / IT50S / IT60S Series Open Network Capable Tower Light

- Energy saving, maintenance free LED lights
- Direct Ethernet and CC-Link control saves wiring and cost
- Bright and even illumination thanks to M-System's original reflection system
- Number and color of LED modules can be freely combined
- IP 65

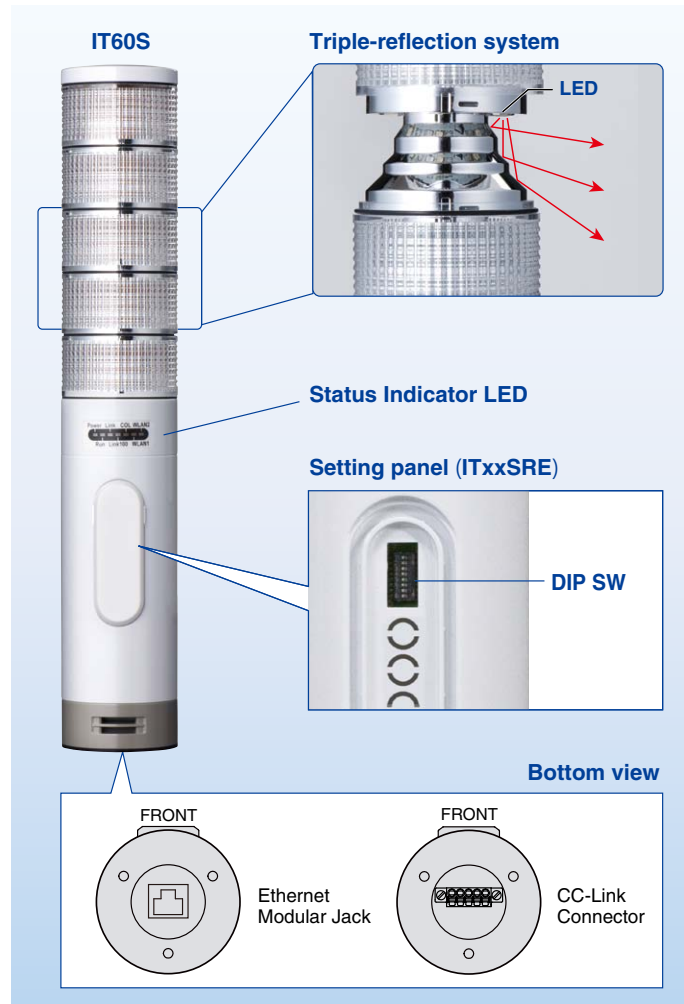


### WIRE SAVER TOWER LIGHT

The IT40S, IT50S and IT60S Series are preassembled tower lights of 40-mm, 50-mm and 60-mm diameter LED modules. They feature direct control by PLC via Ethernet Modbus/TCP (model: ITxxSRE) or CC-Link (model: ITxxSRC).

In combination with M-System's remote I/O modules, local discrete signals can trigger the light modules connected with single network cables via a remote PLC, saving a great part of parallel wiring from sensor devices to the PLC's input cards, and from the PLC's output cards to the lights.

Contact input type (ITxxSA1) without network connection is also available for local control.



### TRIPLE-REFLECTION SYSTEM

M-System's original triple-reflection design prevents the LED lights from wasteful diffusion and ensures effective and even lighting in obliquely downward directions.

### SETTING PANEL & STATUS INDICATOR LED

DIP switches on the side are used to select blinking frequency (2 Hz or 10 Hz), alert sound (buzz) ON/OFF frequency, loudness level and to specify either the lights should be turned off or maintained in case of communication failure.

Power and network status indicator LEDs are also provided on the side.

### NETWORK CONNECTION

RJ-45 connector for Ethernet or a separable tension-clamp terminal block for CC-Link is provided at the bottom of the tower for easy wiring.

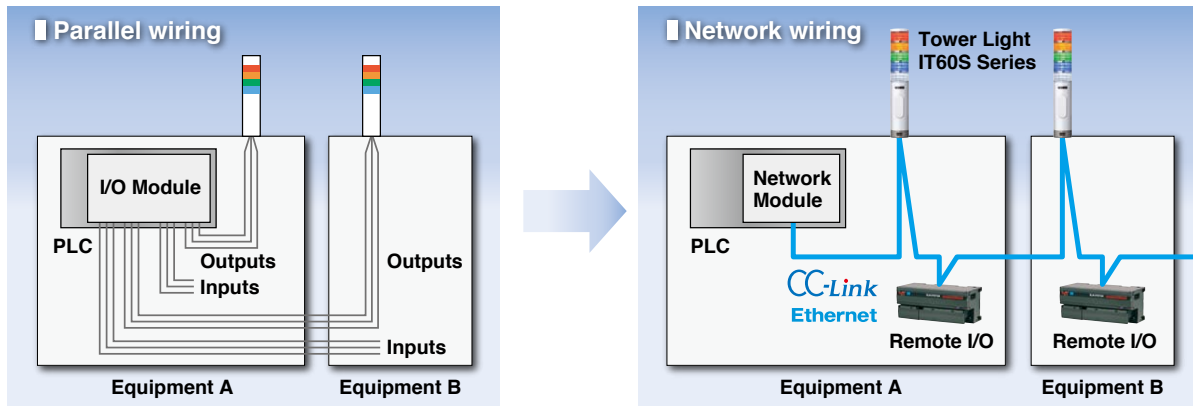
### FIVE-LAYER, FIVE-COLOR LED MODULES IN FREE COMBINATION

Number of LED module layers can be specified from one to five when ordering. Five colors (red, amber, green, blue and white) can be freely combined for each module.

For M-System product information and downloadable data sheets, visit M-System web site at: [www.m-system.co.jp](http://www.m-system.co.jp).

## Application Example with Network Capable Tower Lights

The network capable tower lights can save a great part of parallel wiring between sensors, PLC and lights.



### SELECTION GUIDE

EXTERNAL INTERFACE	MODEL	LIGHT MODULES		
		DIAMETER	LAYER	COLOR
Modbus/TCP Ethernet	<a href="#">IT60SRE</a>	φ60 mm (2.36")	1 to 5 Selectable	Red
	<a href="#">IT50SRE</a>	φ50 mm (1.97")		Amber
	<a href="#">IT40SRE</a>	φ40 mm (1.57")		Green
CC-Link	<a href="#">IT60SRC</a>	φ60 mm (2.36")		Blue
	<a href="#">IT50SRC</a>	φ50 mm (1.97")		White
	<a href="#">IT40SRC</a>	φ40 mm (1.57")		Selectable
Contact input	<a href="#">IT60SA1</a>	φ60 mm (2.36")		
	<a href="#">IT50SA1</a>	φ50 mm (1.97")		
	<a href="#">IT40SA1</a>	φ40 mm (1.57")		



### GENERAL SPECIFICATIONS

Degree of protection	IP 65, vertical mounting only (except the bottom connectors)
Connection	UL 1007 AWG 20
Power input	UL 1007 AWG 22 (ITxxSA1)
Contact input	RJ45 connector (ITxxSRE)
Network	Separable tension-clamp terminal (ITxxSRC)
Housing material	Flame-resistant resin (white)
Tower	Flame-resistant resin (transparent)
Lens	
DIP SW	Light's blinking frequency, buzzing ON/OFF frequency and volume level, output at communication failure
LEDs	Red, Amber, Green, Blue, White LED, continuous or intermittent (approx. 2 Hz or 10 Hz)
Status indicators	Power, Run, Link, Link100, COL (ITxxSRE) Power, Run, Error, SD, RD (ITxxSRC)
Buzzing	Approx. 3.3 kHz, continuous or intermittent (approx. 2 Hz or 10 Hz)
Network	
Modbus/TCP Ethernet	IEEE 802.3u
CC-Link	Ver. 1.10, Remote I/O Station

### INSTALLATION

Power input	
AC	100-240 Vac (not available for ITxxSRE)
DC	24 Vdc ±10% (ripple 10%p-p max.)
Operating temp	-10 to +55 °C (14 to 131 °F)
Operating humidity	30 to 90% RH (non-condensing)
Atmosphere	No corrosive gas
Mounting	Surface (vertical direction only)
Mounting pole	Pole with L-shape bracket or with mounting base (model: ITPL)

### PERFORMANCE

Insulation resistance	100 MΩ or more with 500 Vdc
Dielectric strength	1500 Vac @ 1 minute (network to power to FE1; Ethernet/CC-Link) 1500 Vac @ 1 minute (input to power to FE1; contact input with AC power)
CE conformity	EMC Directive (2004/108/EC) EN 60947-5-1: 2004 + A1: 2009 Low Voltage Directive (2006/95/EC) EN 60947-5-1: 2004 + A1: 2009
Terminal access protection	VDE 0660-514 (finger protection)

Your local representative: