TL30F Flat-Mount Tower Light

Datasheet

Multi-Color, General-Purpose Indicators



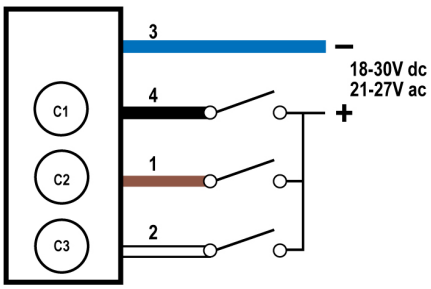
- Rugged, cost-effective and easy-to-install multi-segment indicators
- Illuminated segments provide easy-to-see operator guidance and indication of equipment status
- Displays up to 5 colors
- Compact devices are completely self-contained — no controller needed
- Immune to ambient light, EMI and RFI interference
- Bimodal input
- 18 V dc to 30 V dc or 21 V ac to 27 V ac operation
- No assembly required

Models

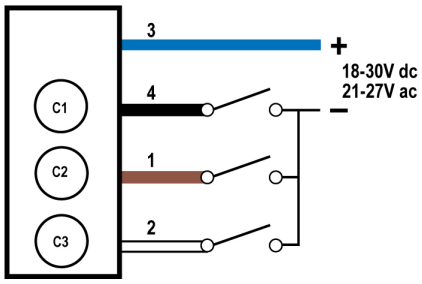
Model	Color Count	**Connection**[1]	LED Color[2]	Input
TL30FGYR	3	2 m (6.5 ft) integral cable	3 Color: Green, Yellow, Red	Bimodal (NPN or PNP)
TL30FGYRQ		4-pin M12/Euro-style integral QD connector		
TL30FWBGYR	5	2 m (6.5 ft) integral cable	5 Color: White, Blue, Green, Yellow, Red	
TL30FWBGYRQ		8-pin M12/Euro-style integral QD connector		

Wiring – 3-Color Models

PNP Input



NPN Input

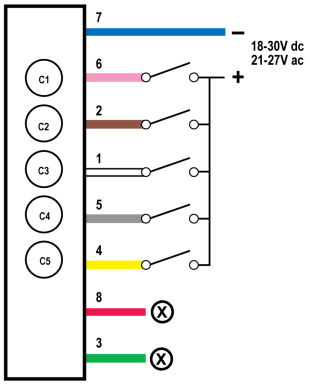


Key:
1 = Brown
2 = White
3 = Blue
4 = Black
C1 = Color 1
C2 = Color 2
C3 = Color 3

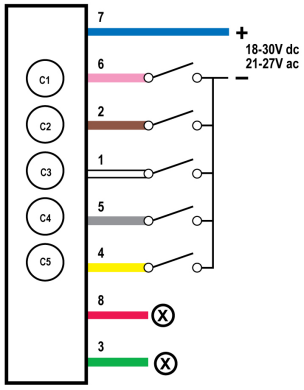
[1] Models with a quick disconnect require a mating cordset.
[2] The first color listed is the bottom color, going up in successive order. Contact Banner Engineering for other colors and color combinations.

Wiring – 5-Color Models

PNP Input



NPN Input



Key:
- 1 = White
- 2 = Brown
- 3 = Green (not used)
- 4 = Yellow/Black[3]
- 5 = Gray
- 6 = Pink
- 7 = Blue
- 8 = Red (not used)
- C1 = Color 1
- C2 = Color 2
- C3= Color 3
- C4 = Color 4
- C5 = Color 5

Specifications

Supply Voltage and Current
18 V dc to 30 V dc (10% max. ripple) or 21 V ac to 27 V ac at 18 mA max. per LED color

Indicators
LEDs are independently selected: Green, Red, Yellow, Blue, or White; 3 or 5 colors, depending on model.

Input Response Time
Indicator ON/OFF: 1 ms max.

Construction
Black painted aluminum housing; thermoplastic end caps; acrylic light bar

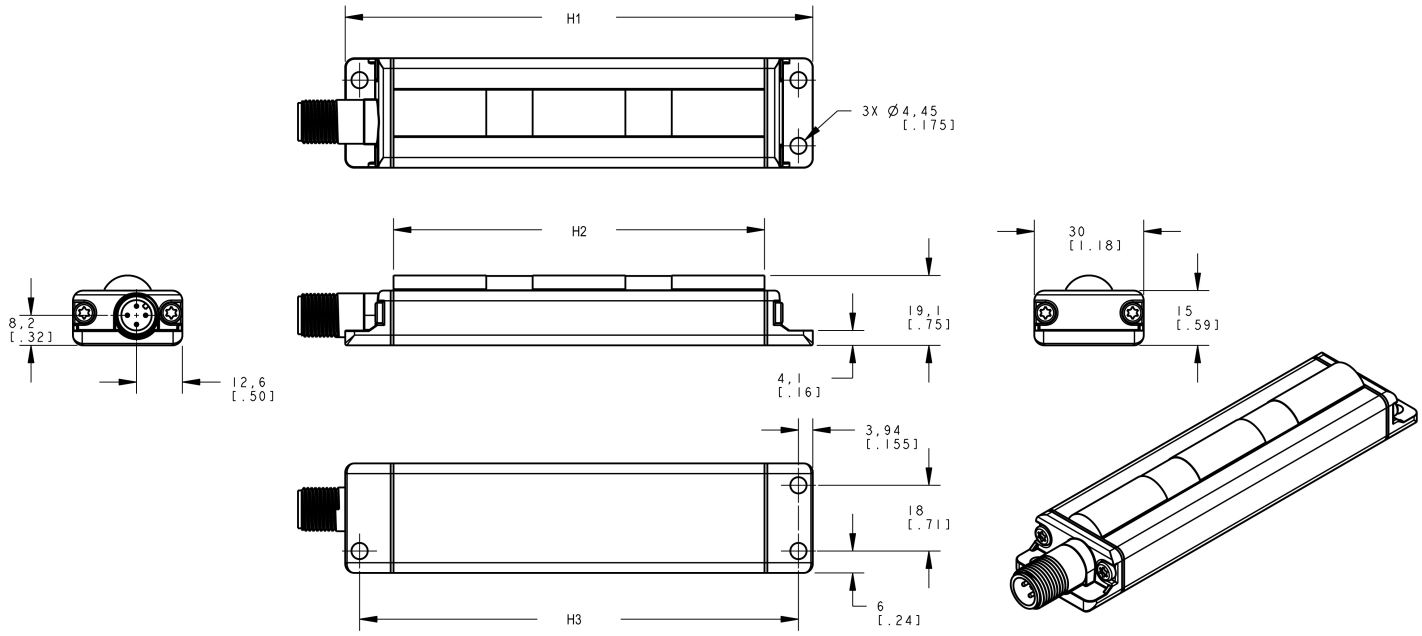
Connections
Integral 4-pin or 8-pin M12/Euro-style QD, or 2 m (6.5 ft) integral cable, depending on model

Environmental **Rating**
IEC IP65

Operating Conditions
–40 °C to +50 °C (–40 °F to +122 °F)

Certifications
CE

Dimensions

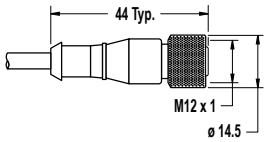
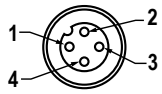
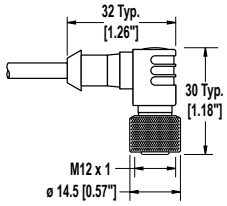


[3] Integral cable models use black wire; QD models use yellow wire.

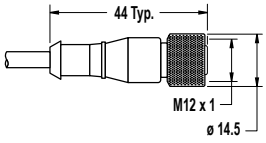
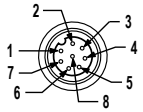
	Tower Height (H...)	
	3-Color Models	5-Color Models
H1	128.1 mm (5.04 in)	204.3 mm (8.04 in)
H2	101.6 mm (4.0 in)	177.8 mm (7.00 in)
H3	120.2 mm (4.73 in)	196.4 mm (7.73 in)

Accessories

4-Pin Euro-Style Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			
MQDC-406RA	1.83 m (6 ft)	Right-Angle		
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

8-pin Euro-Style Cordsets

8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC2S-806	1.83 m (6 ft)	Straight			
MQDC2S-815	4.57 m (15 ft)				
MQDC2S-830	9.14 m (30 ft)				
MQDC2S-850	15.2 m (50 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red

Mounting Brackets

SMBPVA1

- Right-angle bracket
- Clearance for M4 (#10) hardware
- 303 stainless steel



SMBPVA2

- Set of 4 molded brackets
- Snaps onto standard 28 mm (1.1 in) diameter pipe
- 2 required per sensor



SMBPVA11

- Pair of two-piece swivel brackets for mounting indicator to 8 mm (5/16 in) metal rack system
- Articulation slot for ±90° rotation



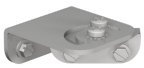
SMBPVA6

- Set of 4 molded brackets
- Snaps onto standard 28 mm (1.1 in) diameter pipe
- 2 required per sensor



SMBPVA9

- Pair of two-piece swivel brackets
- Mount directly to sensor or to PVD or PVA protective brackets
- Designed for mounting sensor to "look down"





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