

# Optolite Indicators Watertight

## INDICATOR LIGHTS



### Sub-Miniature, Watertight

#### 95-33180 Series



#### Material and Finishes

Mounting tube, black glass filled nylon per MIL-M-19887.  
Mounting nut, aluminum, black anodized per MIL-A-8625A.  
Lockwasher, stainless steel or steel, nickel plate. Brass terminals, tin plated per MIL-T-10727A.

#### Cap Assembly

Lens, high impact-resistant plastic per L-P-349. Standard colors are transparent.

#### Lamp

T-1 sub-midget flange base.

#### Mounting

Assembly mounts from front of panel. All mounting hardware supplied.

#### Weight

Approx. .12 oz. less lamp.

#### Base Assembly 95-33180

#### Cap Styles

2( )P20 Cap

2( )P21 Cap

#### Schematic

#### Complete Assembly Part Numbers (Less Lamp)

Transparent Lens Colors	2( )P20 Cap	2( )P21 Cap
Clear*	95-33180-25P20	95-33180-25P21
Red	95-33180-26P20	95-33180-26P21
Green	95-33180-27P20	95-33180-27P21
Amber	95-33180-28P20	95-33180-28P21
Blue	95-33180-211P20	95-33180-211P21
Yellow	95-33180-212P20	95-33180-212P21
Orange	95-33180-216P20	95-33180-216P21
Off-white	95-33180-217P20	95-33180-217P21

\*Translucent colors: Add "TL" as suffix to Part Number.  
\*White if translucent color specified. ( ) Designates color selection.

### Miniature, Neon Watertight

#### 31-36680 Series 31-36681 Series



#### Material and Finishes

Mounting tube and nuts, aluminum, black anodized per MIL-A-8625A. Lockwasher, stainless steel or steel, nickel plate. Brass terminals, tin plated per MIL-T-10727A. "O" ring, silicone rubber.

#### Cap Assembly

Lens, high impact-resistant plastic per L-P-349. Standard colors are transparent.

#### Lamp

C7A (std.) or C9A (high brightness) T2 neon lamp is furnished with each assembly.

#### Mounting

Assembly mounts from front of panel. All mounting hardware supplied.

#### Weight

Approx. .3 oz. less lamp.

#### Base Assembly

31-36680 (Internal Resistor 68kΩ) LH88/1 §  
31-36681 (Internal Resistor 27kΩ) LH88/2 §

#### Cap Styles

( )P25 Cap  
LC33

#### Panel Cutout

#### Schematic

#### Complete Assembly Part Numbers (Includes Lamp)

Lamp	Transparent Lens Colors	( )P25 Cap
C7A	Clear	31-36680-5P25-C7A
	Red	31-36680-6P25-C7A
	Amber	31-36680-8P25-C7A
	Off-white	31-36680-17P25-C7A
C9A	Clear	31-36681-5P25-C9A
	Red	31-36681-6P25-C9A
	Amber	31-36681-8P25-C9A
	Off-white	31-36681-17P25-C9A

§ Translucent colors: Not recommended. § Assembly conforms to requirements of MIL-L-3661. See page 35 for complete listing of MS Part Numbers and Type Designations. ( ) Designates color selection.

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### Miniature, Watertight

#### 11-35182 Series



#### Material and Finishes

Mounting tube, aluminum, black anodized per MIL-A-8625A. Mounting nut, steel cad plate per QQ-P-416. Lockwasher, stainless steel or steel, nickel plate. Brass terminals, tin plated per MIL-T-10727A. "O" ring, silicone rubber.

#### Cap Assembly

Lens, high impact-resistant plastic per L-P-349.

#### Lamp

T-1 3/4 midget flange base.

#### Mounting

Assembly mounts from front of panel. All mounting hardware supplied.

#### Weight

Approx. .3 oz. less lamp.

**Base Assembly**  
11-35182 LH89/1 §

**Cap Styles**

( ) P24 Cap  
LC35

**Panel Cutout**

**Schematic**

**Complete Assembly Part Numbers (Less Lamp)**

Transparent Lens Colors	( ) P24 Cap
Clear*	11-35182-5P24
Red	11-35182-6P24
Green	11-35182-7P24
Amber	11-35182-8P24
Blue	11-35182-11P24
Yellow	11-35182-12P24
Orange	11-35182-16P24
Off-white	11-35182-17P24

Translucent colors: Add "TL" as suffix to Part Number. § Assembly conforms to requirements of MIL-L-3661. See page 35 for complete listing of MS Part Numbers and Type Designations. \*White if translucent color specified. ( ) Designates color selection.

### Miniature, Watertight

#### 15-30083 Series



#### Material and Finishes

Mounting tube and nuts, aluminum, black anodized per MIL-A-8625A. Lockwasher, stainless steel. Brass terminals, tin plated per MIL-T-10727A. Rubber boot and washer, silicone rubber.

#### Cap Assembly

Lens, high impact-resistant plastic per L-P-349. Lens holders, aluminum, black anodized.

#### Lamp

T-1 3/4 midget flange base. See Lamp Selection Guide. Choose from Group A.

#### Mounting

Assembly mounts from rear of panel. All mounting hardware supplied. Recommended mounting hole .500 in. ±.015 in. dia.

#### Weight

Approximately .3 oz. less lamp.

**Base Assembly**  
15-30083

**Cap Styles**

( ) JW7 Cap      Dimmer Cap 30055M-( )      Non-Dim Cap 30055M-( )

**Schematic**

**Complete Assembly Part Numbers (Less Lamp)**

Transparent Lens Colors	( ) JW7 Cap	30055M-( ) Dimmer Cap	30055M-( ) Non-Dim Cap
Clear*	15-30083-5W7	15-30083-1	15-30083-5
Red	15-30083-6W7	15-30083-2	15-30083-6
Green	15-30083-7W7	15-30083-3	15-30083-7
Amber	15-30083-8W7	15-30083-4	15-30083-8
Blue	15-30083-11W7	15-30083-10	15-30083-11
Yellow	15-30083-12W7	15-30083-14	15-30083-12
Orange	15-30083-16W7	---	15-30083-16
Off-white	15-30083-17W7	---	15-30083-17

Translucent colors: Add "TL" as suffix to Part Number. \*White if translucent color specified. ( ) Designates color selection.

# Optolite Indicators Watertight

## INDICATOR LIGHTS



### Miniature, Watertight

**VM-700 Type  
Incandescent Vaportight  
Size T-3 1/4**



#### Cap

Transparent plastic with O-ring. If translucent cap is desired, add "TL" to final dash number

#### Base Assembly

Aluminum - standard finish is bright anodized

#### Light Assembly

Completely sealed and will withstand immersion in liquid

#### Weight

Approx. 1 oz., less lamp

