

ILT Series

Illuminated Toggle Switch



Specifications

Ratings	20 A 12 VDC
Contact Resistance	50 mΩ max.
Insulation Resistance	500 V DC 1000 MΩ min.
Dielectric Strength	1 Minute 1500V AC
Operating Temperature	-25°C to 85°C
Electrical Life	10,000 cycles

Description

The ILT series is an LED illuminated, 20 amp toggle switch that features a metal bushing for harsh environment applications, while most competing illuminated toggle switches use plastic bushings. The ILT series is ideal for a wide range of standard and harsh environment applications including control panels, heavy equipment, industrial instruments, instrumentation, LED lights, lifts & escalators, medical & equipment, security system, telecommunication systems, and more.

Features & Benefits

- LED built in to toggle handle. Save panel space instead of having an separate indicator light.
- 6 LED color options to choose from. Easily determine if the switch is ON or OFF from any distance.
- Electrical ratings up to 20 amps. Suitable for high amp, industrial applications.
- 6.3 quick connect terminals. Easy installation. No soldering required.

Applications

- Telecommunications
- Instrumentation
- Medical equipment

Ordering Number

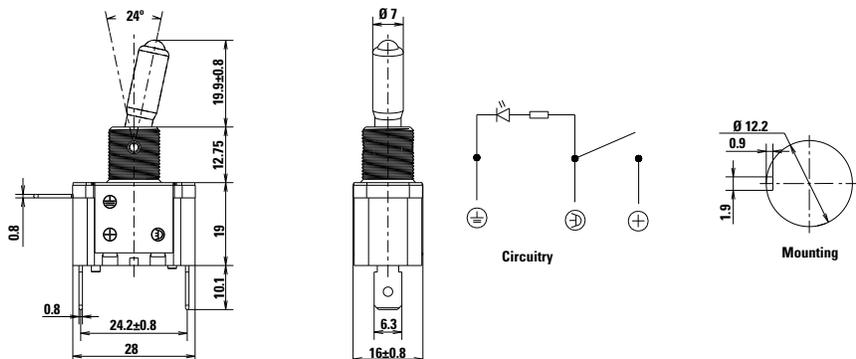
To order, simply select desired option from each category and place in the appropriate box. For additional options not shown in catalog, consult Customer Service Center.

ILT - xx

- | | |
|---------------|------------------|
| Series | LED Color |
| ILT | 01: White LED |
| | 02: Red LED |
| | 03: Yellow LED |
| | 04: Blue LED |
| | 05: Green LED |
| | 06: Purple LED |

Switch Function

UL ² Model No.	Switch Function	
	POS. 1 Keyway	POS. 2 Keyway
ILT01	ON	OFF
ILT02		
ILT03		
ILT04		
ILT05		
ILT06		



ILT Series

Illuminated Toggle Switch



Selection Guide

Dice	Lens Type	Luminous intensity (mcd) @ 20 mA			Viewing Angle
		Min.	Typ	Max.	2 θ 1/2
White	Water Clear	10000	-	12000	20
Red	Red Diffused	200	-	500	30
Yellow	Yellow Diffused				20
Blue	Water Clear	3000	-	5000	20
Green	Green Diffused	8000	-	10000	30
Purple	Water Clear	3000	-	5000	20

Notes:
 1. 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
 2. The above luminous intensity measurement allowance tolerance ± 15%

Electrical / Optical Characteristics at Ta = 25°C

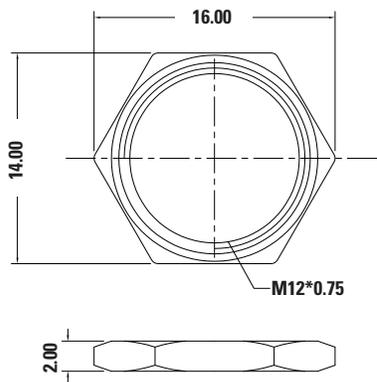
Parameter	Units	White	Red	Yellow	Blue	Green	Purple
Forward Voltage (VF)	V	2.8 - 3.6	2.0 Typ		2.8 - 3.6	3.0 Typ	2.8 - 3.6
Reverse Current (IR)	µA	10 Max.					
Dominate Wavelength (λ d)	nm	460 - 465	620 - 625	585 - 590	460 - 465	520 - 525	460 - 465

Absolute Maximum Ratings at Ta = 25°C

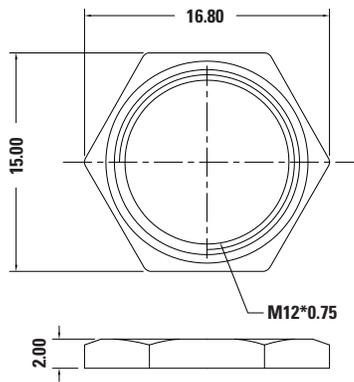
Parameter	Units	White	Red	Yellow	Blue	Green	Purple
Power Dissipation (Pd)	mW	90		60		90	
DC Forward Current (IF)	mA	20					
Peak Forward Current [1] (IFP)		60					
Reverse Voltage (VR)		5					
Electrostatic Discharge (HBM) (ESD)	V	2000					
Operating Temperature (Topr)	°C	-40~+80					
Storage Temperature (Tstg)		-40~+100					

Notes:
 1. 1/10 Dut cycle, 0.1 ms pulse width.
 2. The above forward voltage measure ment allowance tolerance ±0.1V.

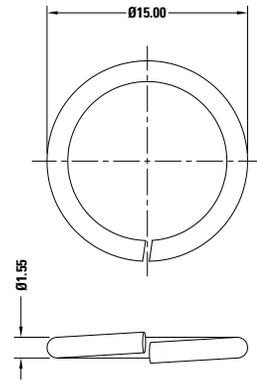
Mounting Hardware



PART NO.
G01101325 14mm Hex Nut



PART NO.
G01101326 15mm Hex Nut



PART NO.
G01101327 15mm Washer

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at <http://www.littelfuse.com/disclaimer-electronics>.