

# Series LP

# Illuminated Tact Switches

## SPECIFICATIONS:

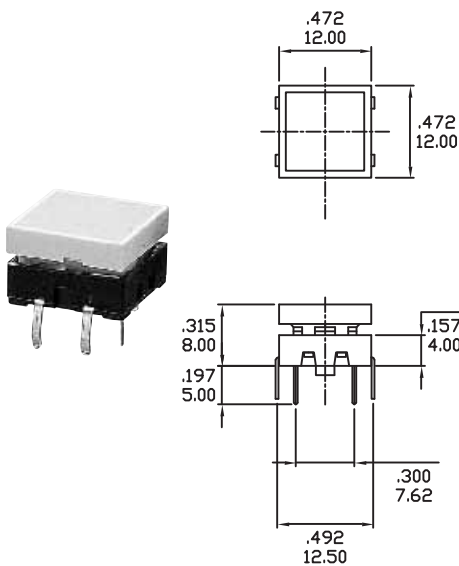
OPERATING TEMPERATURE: 10°C~ +60°C.  
 AMBIENT HUMIDITY: 85%RH max.  
 CONTACT ARRANGEMENT: S.P.S.T  
 LED RATING: 50mA/12VDC Voltage 6V max,  
 current 20mA max.  
 CONTACT RESISTANCE: 100m-ohms max (initial).  
 INSULATION RESISTANCE: 100M-ohms min.  
 OPERATING FORCE: 250±50gf max.  
 TOTAL TRAVEL: 0.30mm±0.10mm.  
 OPERATING LIFE: 5,00,000 cycles min.  
 SOLDERING: 260°C@ 3 seconds.

## MATERIALS:

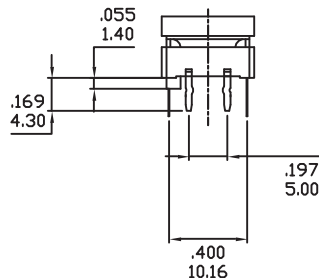
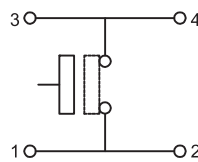
CAP: PC.  
 COVER: PC.  
 BASE: PA.  
 HOUSING: PC.  
 LAMP TERMINAL: PBS with Au plated.  
 ACT DOME: PBS with Au plated.  
 TERMINAL: Brass with Au plated.  
 LED: Surface mount chip LED.

Specifications and Dimensions subject to change

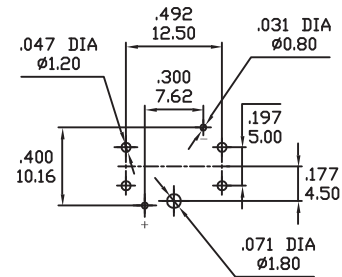
### LP-12



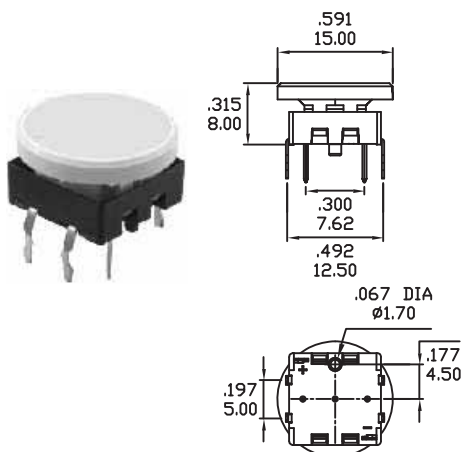
#### Contact Configuration



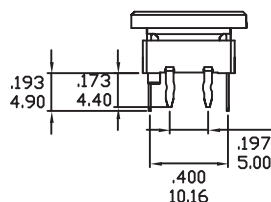
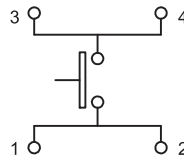
### P.C.MOUNTING



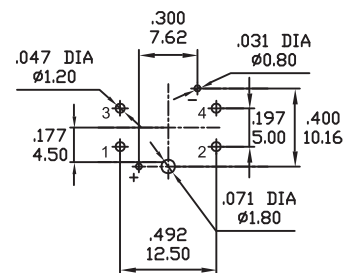
### LP-12R



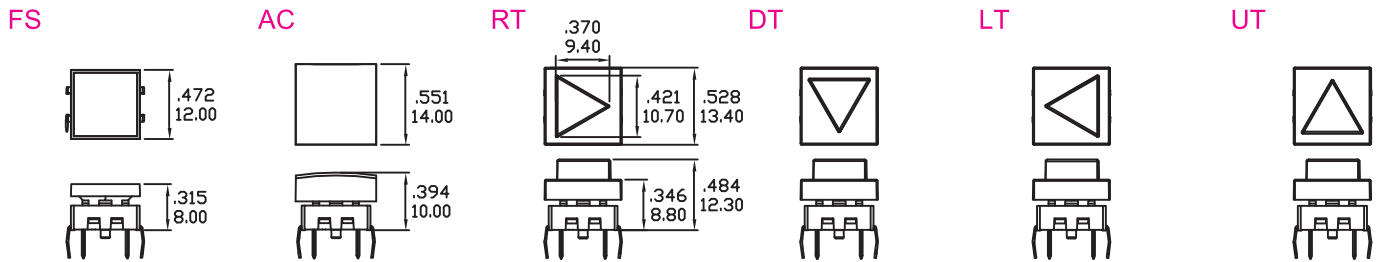
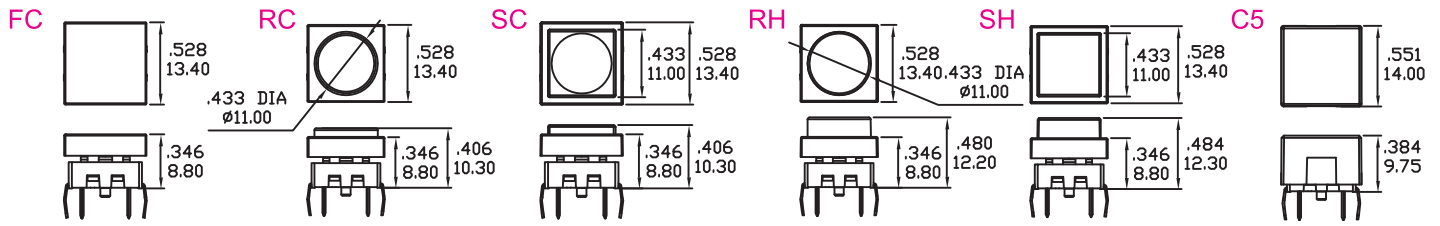
#### Contact Configuration



### P.C.MOUNTING



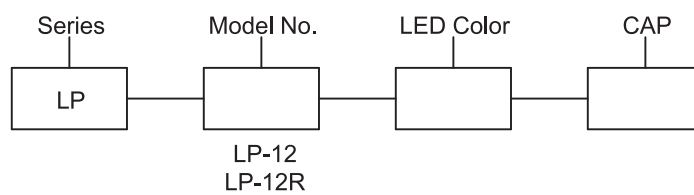
## CAP OPTIONS



## LED COLORS

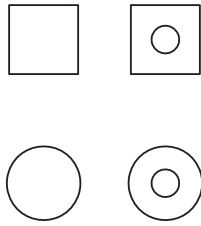
Code	LED Color
R	Red
G	Green
Y	Yellow
B	Blue
W	White

## HOW TO ORDER





## CAP & COLOR OPTIONS



Code	CAP Model
A	Without LED
B	With LED
C	Without LED
D	With LED
E	Without CAP

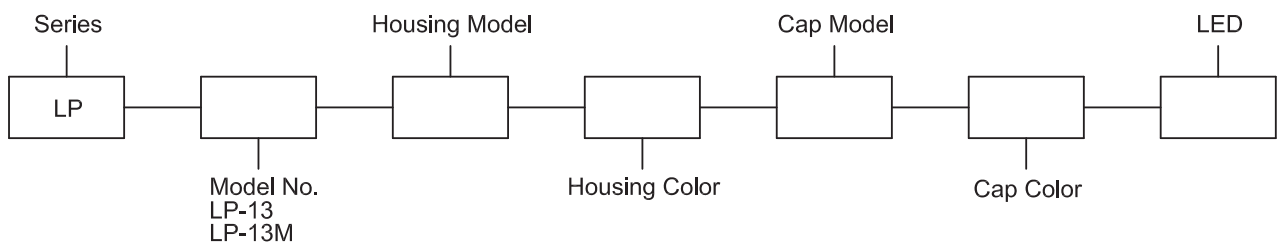
Code	Color
1	Red
2	Green
3	Orange
4	Ivory
5	Gray
6	Black
7	Blue
0	Without CAP

## LED COLORS

Code	LED Color
1	Red
2	Green
3	Orange
0	Without LED

Code	LED Color
7	Blue
8	White

## HOW TO ORDER

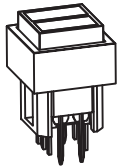


# Series LP

# Illuminated Pushbutton / Tact Switches

## SPECIFICATIONS:

## MATERIALS:



CONTACT RATING: 100mA 30VDC (LPA-M/A).  
 50mA 12VDC (LPA-T).  
 ELECTRICAL LIFE: 10,000 cycles (LPA-M/A).  
 800,000 cycles (LPA-T).  
 CONTACT RESISTANCE: 100m-ohms max (initial).  
 INSULATION RESISTANCE: 500VDC 100M-ohms min.  
 OPERATING TEMPERATURE: 10°C~ +60°C.  
 OPERATING FORCE: 200±80gf max. (LPA-M/A).  
 180±50gf max. (LPA-T).  
 TOTAL TRAVEL: 2.50mm max. lock 1.50mm (LPA-M/A).  
 0.30mm±0.20mm (LPA-T).  
 CIRCUIT: DPDT (LPA-M/A), SPST (LPA-T).

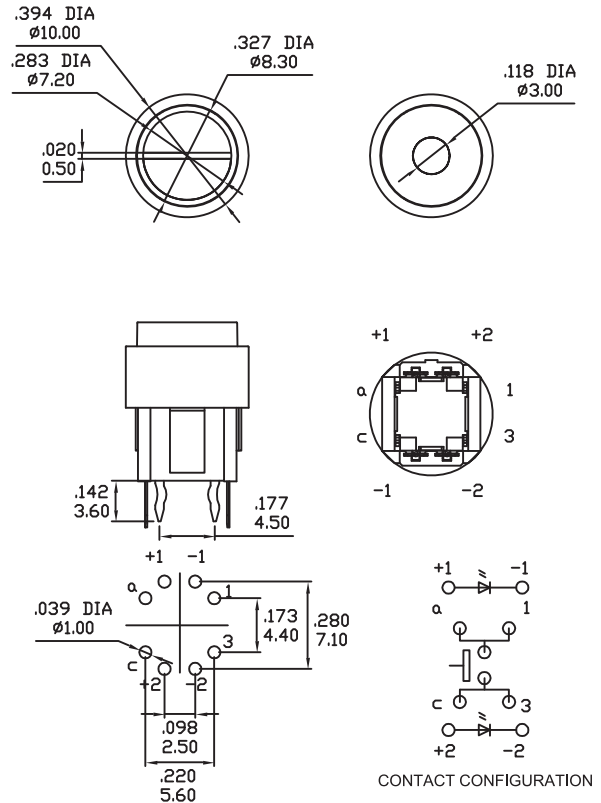
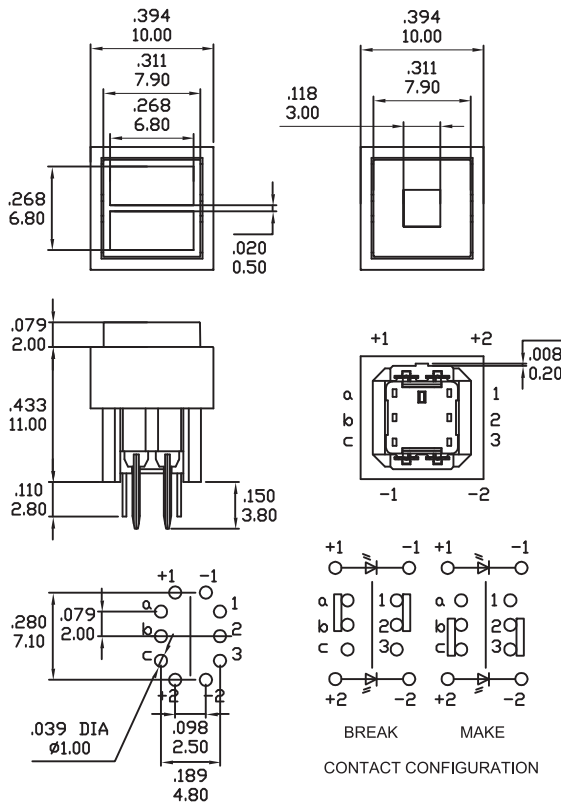
CAP: PC or ABS.  
 CAP LENS: PC.  
 HOUSING: PA.  
 CONTACT: PBS Ag plated (LPA-M/A).  
 ACT DOME: SUS with Ag plating (LPA-T).  
 LED TERMINAL: PBS with Au plated.  
 TERMINAL: Brass Ag plated.

Specifications and Dimensions subject to change

### LPA-M MOMENTARY

### LPA-T TACTILE

### LPA-A ALTERNATE







Drawing Scale: 2 / 1

## HOUSING & COLOR OPTIONS

Code	Housing Model
A	Square
B	Round

## CAP & COLOR OPTIONS

Code	CAP Model	
B		With LED
D		With LED
F		With LED
G		With LED

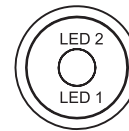
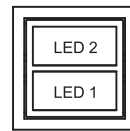
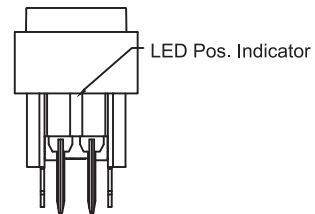
Code	Color
6	Black
7	White

For CAP B & CAP D only

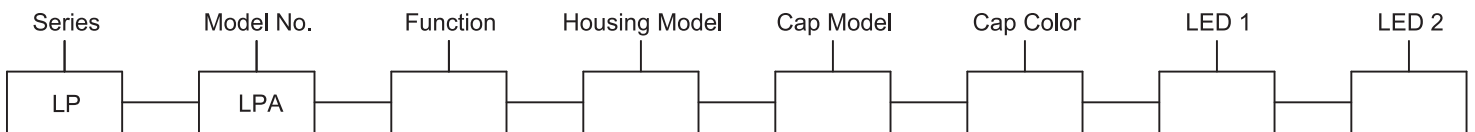
## LED COLORS

Code	LED Color
R	Red
G	Green
Y	Yellow
B	Blue
W	White

Code	LED Color
0	Without LED



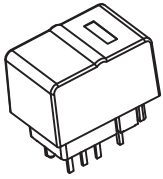
## HOW TO ORDER



T - Tactile  
M - Momentary  
A - Alternate

# Series LP

# Illuminated Pushbutton / Tact Switches



## SPECIFICATIONS:

CONTACT RATING: 100mA 30VDC (LPB-M/A).  
 50mA 12VDC (LPB-T).  
 ELECTRICAL LIFE: 10,000 cycles (LPB-M/A).  
 800,000 cycles (LPB-T).  
 CONTACT RESISTANCE: 100m-ohms max (initial).  
 INSULATION RESISTANCE: 500VDC 100M-ohms min.  
 OPERATING TEMPERATURE: 10°C~ +60°C  
 OPERATING FORCE: 200±80gf max. (LPB-M/A).  
 180±50gf max. (LPB-T).  
 TOTAL TRAVEL: 2.50mm max. lock 1.50mm (LPB-M/A).  
 0.30mm±0.20mm (LPB-T).  
 CIRCUIT: DPDT (LPB-M/A), SPST (LPB-T).

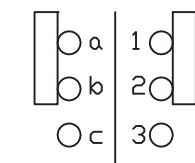
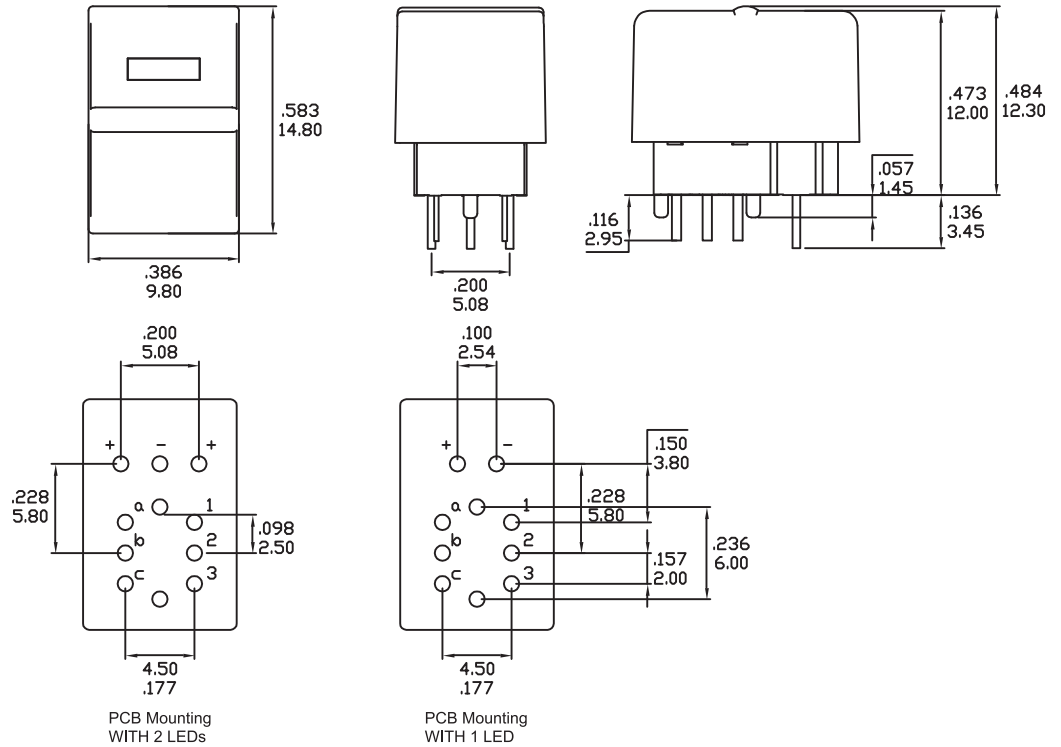
## MATERIALS:

CAP: ABS.  
 DIFFUSER: PC.  
 HOUSING: PA.  
 CONTACT: PBS Ag plated (LPB-M/A).  
 ACT DOME: SUS with Ag plating (LPB-T).  
 LED TERMINAL: PBS with tin flash.  
 TERMINAL: Brass Ag plated.

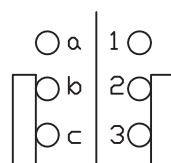
Specifications and Dimensions subject to change

LPB-M MOMENTARY

LPB-A ALTERNATE

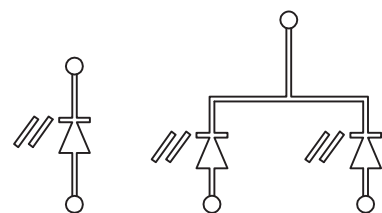


BREAK



MAKE

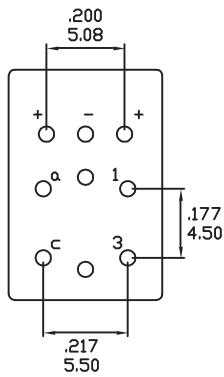
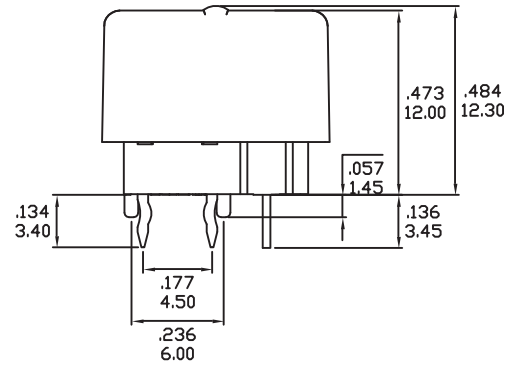
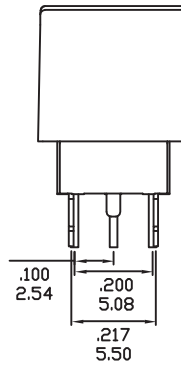
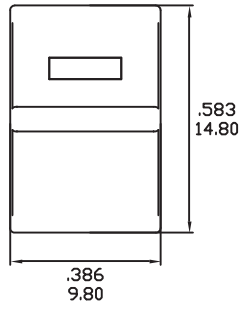
CONTACT CONFIGURATION



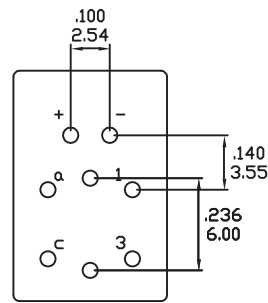
CONTACT CONFIGURATION

Drawing Scale: 2 / 1

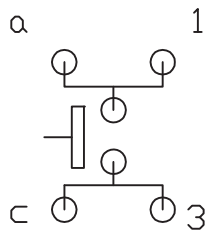
LPB-T TACTILE



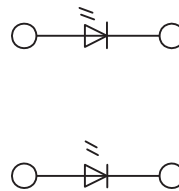
PCB Mounting WITH 2 LEDs



PCB Mounting WITH 1 LED



CONTACT CONFIGURATION



LED CONFIGURATION

Drawing Scale: 2 / 1

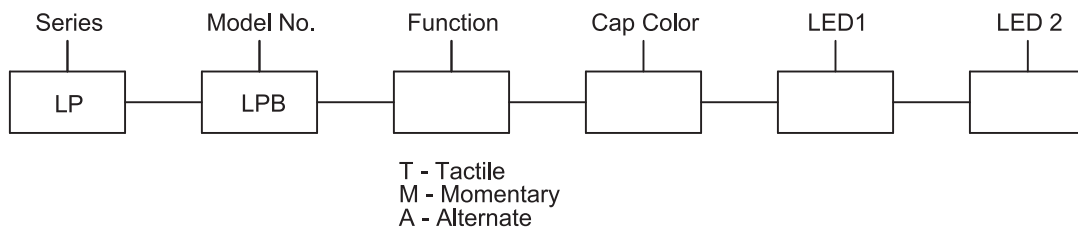
CAP COLOR OPTIONS

Code	Color
1	Red
2	Green
3	Yellow
5	Gray
6	Black
7	White

## LED COLORS

Code	LED Color
R	Red
G	Green
Y	Yellow
B	Blue
0	Without LED

## HOW TO ORDER



## SPECIFICATIONS:

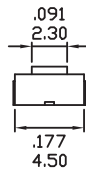
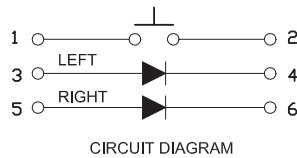
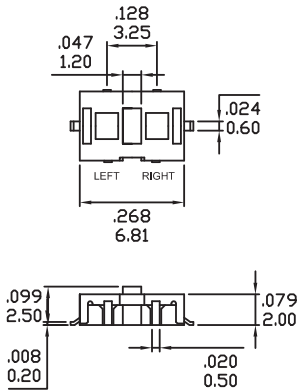
CONTACT RATING: 12VDC, 50mA max. 1VDC, 10uA min.  
 ELECTRICAL LIFE: 30,000 cycles.  
 CONTACT RESISTANCE: 500m-ohms max.  
 INSULATION RESISTANCE: 100VDC 100M-ohms min.  
 OPERATING FORCE: 160+75/-30 gf.  
 OPERATING TEMPERATURE: -20°C ~ +70°C.  
 FUNCTION: Momentary action.  
 CONTACT ARRANGEMENT: SPST, N.O.  
 IR SOLDERING: 240°C for 3sec. max.  
 PACKAGING: 2,900pcs per tape reel.

## MATERIALS:

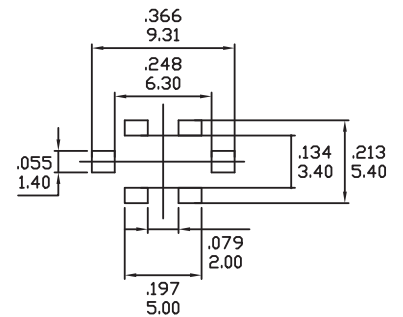
COVER: PA9T + GF.  
 ACTUATOR: LCP + GF.  
 BASE FRAME: LCP + GF.  
 TERMINAL: Silver plating.

Specifications and Dimensions subject to change

LP14



## SURFACE MOUNTING

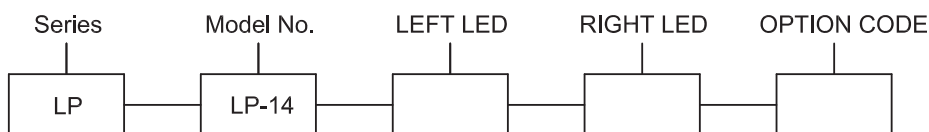


## LED COLORS

Code	LED Color
R	Red
G	Green
Y	Yellow
B	Blue
W	White

Code	LED Color
0	Without LED

## HOW TO ORDER



U - Ultra LED Brightness