

## 5W 2PIN SUPER BRIGHT LED's



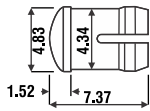
S - Normally Stock  
L - Limited Stock  
O - Ex Order

## DISCRETE &amp; SURFACE MOUNT LED's

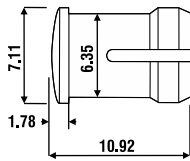
| Part No.               | Size      | Colour       | Water-clear<br>or Diffused | Wave<br>Length<br>(nm)        | Luminous Intensity     |                   |       | Viewing<br>Angle     | Case<br>Style  | Diagram of the different Styles |
|------------------------|-----------|--------------|----------------------------|-------------------------------|------------------------|-------------------|-------|----------------------|----------------|---------------------------------|
|                        |           |              |                            |                               | IF=10mA(mcd)           | Typ.              | Max.  |                      |                |                                 |
| 3mm STANDARD LED's     |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| A30D060-22-U           | 3mm       | Super-Red    | Diffused                   | 625nm                         | 12.5                   | 22                | 32    | 60°                  | 2              |                                 |
| B34D060-2-U            | 3mm       | Flashing Red | Diffused                   | -                             | 1.3                    | 2                 | 3.2   | 60°                  | 2              |                                 |
| A30D060-12-G           | 3mm       | Green        | Diffused                   | 565nm                         | 5                      | 12                | 20    | 60°                  | 2              |                                 |
| A30D060-12-Y           | 3mm       | Yellow       | Diffused                   | 590nm                         | 5                      | 12                | 20    | 60°                  | 2              |                                 |
| A30D060-30-N           | 3mm       | Pure-Orange  | Diffused                   | 610nm                         | 10                     | 30                | 50    | 60°                  | 2              |                                 |
| A32D060-250-M          | 3mm       | Ultra-Red    | Diffused                   | 660nm                         | 200                    | 250               | 300   | 60°                  | 2              |                                 |
| A32W050-700-M          | 3mm       | Ultra-Red    | W/clear                    | 660nm                         | 500                    | 600               | 700   | 30°                  | 1              |                                 |
| A32W050-1300-M         | 3mm       | Ultra-Red    | W/clear                    | 660nm                         | 1100                   | 1200              | 1300  | 30°                  | 1              |                                 |
| A32W050-200-G          | 3mm       | Green        | W/clear                    | 565nm                         | 100                    | 200               | 300   | 30°                  | 1              |                                 |
| A32W050-750-K          | 3mm       | Yellow       | W/clear                    | 590nm                         | 400                    | 750               | 1300  | 50°                  | 1              |                                 |
| 3mm SUPER BRIGHT LED's |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| A32W050-600-M          | 3mm       | Ultra-Red    | Clear                      |                               | 500                    | 600               | 700   | 50°                  | 2              |                                 |
| A32W050-1200-M         | 3mm       | Ultra-Red    | Clear                      |                               | 1100                   | 1200              | 1300  | 50°                  | 2              |                                 |
| A32C050-30-Y           | 3mm       | Yellow       | Colour Clear               |                               | 50                     | 75                | 100   | 50°                  | 2              |                                 |
| A32C050-75-N           | 3mm       | Orange       | Colour Clear               |                               | 200                    | 300               | 400   | 50°                  | 2              |                                 |
| 5mm STANDARD LED's     |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| A53D060-50-U           | 5mm       | Super-Red    | Diffused                   | 625nm                         | 20                     | 50                | 80    | 60°                  | 4              |                                 |
| A53D060-50-G           | 5mm       | Green        | Diffused                   | 565nm                         | 20                     | 50                | 60    | 60°                  | 4              |                                 |
| A53D060-14-Y           | 5mm       | Yellow       | Diffused                   | 590nm                         | 5                      | 14                | 32    | 60°                  | 4              |                                 |
| A53D060-46-N           | 5mm       | Pure-Orange  | Diffused                   | 610nm                         | 12                     | 46                | 80    | 60°                  | 4              |                                 |
| M59RG-CA-D             | 5mm       | Red          | White                      | 625nm                         | 3.2                    | 5                 | 8     | 60°                  | 5              |                                 |
| Bi-colour              |           | Green        | Diffused                   | 565nm                         | 3.2                    | 5                 | 8     |                      |                |                                 |
| M59RG-CC-D             | 5mm       | Red          | White                      | 660nm                         | 100                    | 200               | 300   | 60°                  | 5              |                                 |
| Bi-colour              |           | Green        | Diffused                   | 565nm                         | 40                     | 60                | 80    | 60°                  | 5              |                                 |
| 5mm SUPER BRIGHT LED's |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| A53D060-250-M          | 5mm       | Ultra-Red    | Diffused                   | 660nm                         | 200                    | 250               | 300   | 60°                  | 4              |                                 |
| A53W030-200-G          | 5mm       | Green        | W-clear                    | 565nm                         | 100                    | 200               | 300   | 30°                  | 4              |                                 |
| 5mm SUPER BRIGHT LED's |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| C512MHR-125Q           | 5mm       | Hi-Red       | Clear                      | -                             | 770                    | 1135              | 1500  | 25°                  | 4              |                                 |
| C503MBG-115Q           | 5mm       | Green        | Clear                      | -                             | 1520                   | 2260              | 3000  | 15°                  | 4              |                                 |
| C503TPG-115Q           | 5mm       | P.Green      | Clear                      | 527                           | 12000                  | 17500             | 23000 | 15°                  | 4              |                                 |
| C503AYL-115Q           | 5mm       | Yellow       | Clear                      | 591                           | 8200                   | 16000             | 23500 | 15°                  | 4              |                                 |
| C503NBL-115Q           | 5mm       | Blue         | Clear                      | 470                           | 700                    | 900               | 1100  | 15°                  | 4              |                                 |
| C503PBL-115Q           | 5mm       | P.Blue       | Clear                      | 470                           | 2130                   | 2800              | 3000  | 15°                  | 4              |                                 |
| C512TWN-125Q           | 5mm       | P.White      | Clear                      | -                             | 4180                   | 5000              | 5860  | 25°                  | 4              |                                 |
| BAR TYPE LED's         |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| L21D100-12-R           | 6.1x3.2mm | Super-red    |                            |                               | 5                      | 12                | 20    | 100°                 | 8              |                                 |
| L21D100-6-G            | 6.1x3.2mm | Green        |                            |                               | 5                      | 12                | 20    | 100°                 | 8              |                                 |
| L21D100-6-Y            | 6.1x3.2mm | Yellow       |                            |                               | 5                      | 12                | 20    | 100°                 | 8              |                                 |
| L22D120-12-U           | 10x5mm    | Super-red    |                            |                               | 5                      | 12                | 20    | 120°                 | 9              |                                 |
| L22D120-12-G           | 10x5mm    | Green        |                            | 565nm                         | 5                      | 12                | 20    | 120°                 | 9              |                                 |
| L31D120-12-U           | 22x5mm    | Super-red    |                            | 625nm                         | 5                      | 12                | 20    | 120°                 | 10             |                                 |
| SURFACE MOUNT LED's    |           |              |                            |                               |                        |                   |       |                      |                |                                 |
| LM1-UHR-101            | 3.2x2.8   | Hi-red       | Clear                      | 624                           | 280                    | 500               |       | 120°                 | 11             |                                 |
| LM1-PPG-101            | 3.2x2.8   | Green        | Clear                      | 525                           | 355                    | 560               |       | 120°                 | 11             |                                 |
| LM1-AYL-101            | 3.2x2.8   | Yellow       | Clear                      | 591                           | 280                    | 300               |       | 120°                 | 11             |                                 |
| LM1-PBL-101            | 3.2x2.8   | Blue         | Clear                      | 470                           | 112                    | 160               |       | 120°                 | 11             |                                 |
| LM1-PWH-101            | 3.2x2.8   | White        | Clear                      | -                             | 280                    | 450               |       | 120°                 | 11             |                                 |
| LM1-TPP-101            | 3.2x2.8   | Full Colour  | Clear                      | R=620nm<br>G=520nm<br>B=465nm | R=180<br>G=280<br>B=71 | 300<br>450<br>110 |       | 120°<br>120°<br>120° | 11<br>11<br>11 |                                 |
| LP6-TPP-101            | 6x5       | Full Colour  | Clear                      | R=620nm                       | R=710                  | 1000              |       | 120°                 | 12             |                                 |
|                        |           |              |                            | G=521nm                       | G=710                  | 900               |       | 120°                 | 12             |                                 |
|                        |           |              |                            | B=468nm                       | B=180                  | 280               |       | 120°                 | 12             |                                 |
|                        |           |              |                            | (If=50mA)                     |                        |                   |       |                      |                |                                 |

## FLUSH MOUNT LED HOLDERS

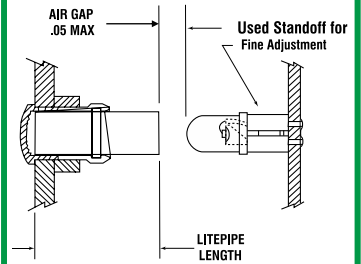
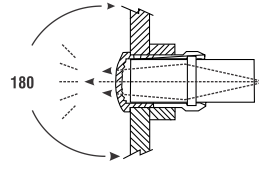
## SMB 200(3mm)



## CLB 300(5mm)



## LITEPIPE &amp; SURFACE MOUNT LED's



## ORDERING CODE FOR THE LENSES:

**CLB 300 RTP**

## MODEL

## COLOUR

|         |           |
|---------|-----------|
| SMB 200 | (RND 3mm) |
| SMQ 250 | (SQ 3mm)  |
| CLB 300 | (RND 5mm) |
| SQB 400 | (SQ 5mm)  |

|     |                    |
|-----|--------------------|
| RTP | Red Transparent    |
| ATP | Amber Transparent  |
| GTP | Green Transparent  |
| BTP | Blue Transparent   |
| YTP | Yellow Transparent |
| CTP | Clear Transparent  |

|         |                                         |
|---------|-----------------------------------------|
| SPC 125 | Spacer for CLB 300 & SQ 400             |
| RNG 190 | Lens Retaining ring for SMB200          |
| RNG 234 | Lens Retaining ring for CMC321          |
| RNG 268 | Lens Retaining ring for CLB300 & CMS322 |

## ORDERING CODE FOR THE LITEPIPE:

**LSV 020 CTP**

## MODEL

## COLOUR

LSV (3mm) LCV (5mm)

CTP Clear Transparent

## PRODUCT CODE

LSV - CODE LENGTH(mm)

LCV - CODE LENGTH(mm)

|             |             |            |            |             |            |
|-------------|-------------|------------|------------|-------------|------------|
| 020 (5.1),  | 040 (10.2), | 060 (15.2) | 036 (9.1), | 056 (14.2), | 076 (19.3) |
| 080 (20.3), | 100 (25.4), | 120 (30.4) | 096 (23),  | 116 (29.5), | 136 (34.5) |

## ORDERING CODE FOR THE PCB STANDOFFS

**STD XXX BLK**LENGTH  
(2,54 to 25,4mm)

COLOUR

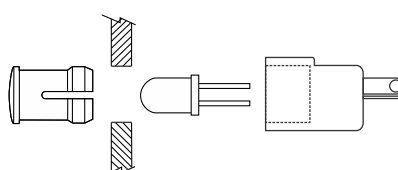
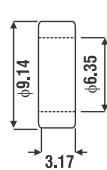
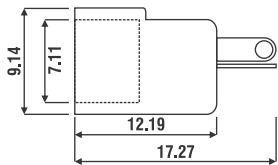


## CNX 310

## SPC 125

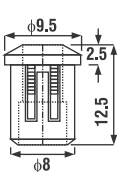
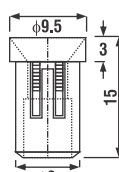
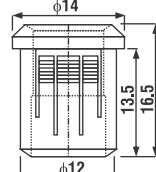
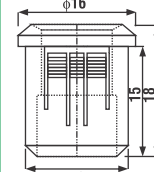
## INSTALLATION

## ORDERING CODES

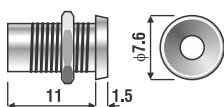


| CNX 310 012 |             |               |       |
|-------------|-------------|---------------|-------|
| MODEL       |             | RESISTOR CODE |       |
| CODE        | VALUE       | CODE          | VALUE |
| 000         | No Resistor | 056           | 560Ω  |
| 012         | 120Ω        | 120           | 1200Ω |
| 018         | 180Ω        | 220           | 220Ω  |
| 033         | 330Ω        |               |       |

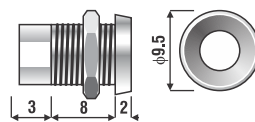
## Black Plastic LED Holders

RTF-5010 Cutout:  $\phi$ 8mmRTF-5020 Cutout:  $\phi$ 8mmRTF-8080 Cutout:  $\phi$ 12mmRTF-1090 Cutout:  $\phi$ 14mm(For  $\phi$ 5mm LED)(For  $\phi$ 5mm LED)(For  $\phi$ 8mm LED)(For  $\phi$ 10mm LED)CB3 Cutout:  $\phi$ 6.4mmCB5 Cutout:  $\phi$ 8 mmCB8 Cutout:  $\phi$ 12 mm

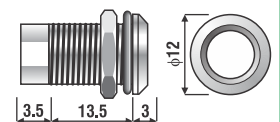
Chrome plated or black brass LED holder. Solder or use LED plug on connectors. For use with  $\phi$ 3mm LED's.



Chrome plated or black brass LED holder. Solder or use LED plug on connectors. This pilot light gives a quality look which cannot be achieved with plastic bezels. For use with  $\phi$ 5mm LED's.



Chrome plated, black brass or convex type LED holder. Solder or use LED plug on connectors. This pilot light gives a quality look which cannot be achieved with plastic bezels. For use with  $\phi$ 8mm LED's.



See page 1.10 &amp; 11 for LED options

