

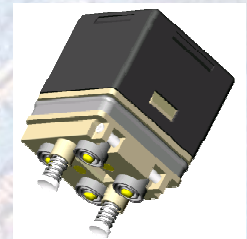
Series 582

Two Pole Lighted Pushbutton Switches

LED Replacement Capsule

One to one interchangeability with incandescent capsules (as shown in table below)

- Field replaceable, no tools required for replacement of existing incandescent capsules
- Significantly reduced touch temperature as compared to incandescent
- Sunlight readable
- Eliminates dim mode color shift inherent with incandescent lamps
- Improved off angle viewing
- Reduced power consumption over incandescent
- Maintenance free – “Life of the Aircraft” lighting
- Polarity insensitive

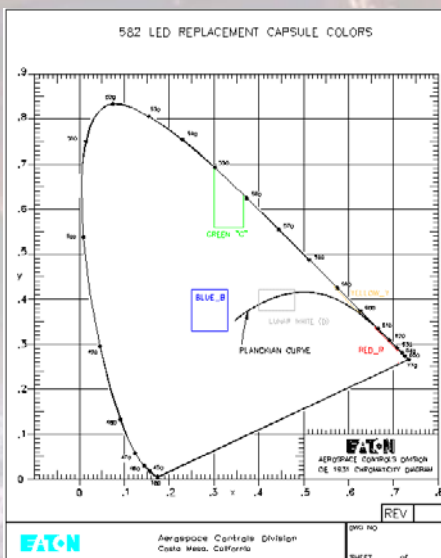


Ordering Information

Typical Part Number 582-20C1F84L5205N3(GR), P12, 52 EATON/LED

| 582- | Unit Options | Lamp Circuit | Lamp Type | Display Screen | Display Configuration | Display Color | See 582 catalog for font and legend requirements |
|---|--------------|--------------|-----------|-----------------|-----------------------|---------------|--|
| 582 | 20 | C1 | F84* | L5201 (Type 1) | N1 | A (Amber) | |
| | 21 | C3 | | L5202 (Type 2) | N2 | B (Blue) | |
| | 22 | | | L5205 (Type 5) | N3 | G (Green) | |
| Please refer to 582 catalog (DU-188) for additional technical information | | | | L5208 (Type 8) | N11 | R (Red) | |
| | | | | L5209 (Type 9) | N12 | D (White) | |
| | | | | L5212 (Type 12) | N13 | | |
| | | | | L5251 (Type 51) | N14 | | |
| | | | | | N15 | | |

* F84 denotes integral, polarity insensitive 28VDC LED lighting module with dimming feature.



| COLOR | x | y |
|------------|-------|-------|
| RED (R) | 0.665 | SL |
| | 0.659 | 0.335 |
| | 0.707 | 0.287 |
| | 0.713 | SL |
| GREEN (G) | 0.300 | 0.560 |
| | 0.300 | SL |
| | 0.365 | 0.560 |
| YELLOW (Y) | 0.365 | SL |
| | 0.568 | 0.425 |
| | 0.575 | SL |
| BLUE (B) | 0.630 | SL |
| | 0.623 | 0.370 |
| | 0.250 | 0.330 |
| WHITE (D) | 0.250 | 0.420 |
| | 0.330 | 0.330 |
| | 0.330 | 0.420 |
| | 0.400 | 0.375 |

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Specifications:

- **Operating voltage** 0-28 VDC
- **Polarity insensitive**
- **Power consumption** 2 watts max
- **Touch temperature** 55°C max
- **Luminance:**
 - Exceeds incandescent lamp SRL performance in day mode
 - Approximates incandescent performance in night mode

All specifications same as 582 unless superceded by this document

The 582 LED Replacement Capsule will provide enhanced sunlight readability during daylight operation, while maintaining approximately the same luminance levels as an incandescent lamp in night mode.

As illustrated in the chart, un-augmented or linear dimmed LED represented by the yellow line, provides similar performance to the 582 incandescent in daylight mode. When operated at night mode voltages, however the LED produces luminance levels well beyond that of incandescent lamps, presenting the pilot with the dilemma of LED devices that are too bright or incandescent ones that are too dim.

Day or Night 582 LED Replacement Capsules are the best choice.

