

## TCP TruDim Covered Lamps

12,000 Hours average rated life, 120 V

# TruDim™

## Technology by TCP

### Applications:

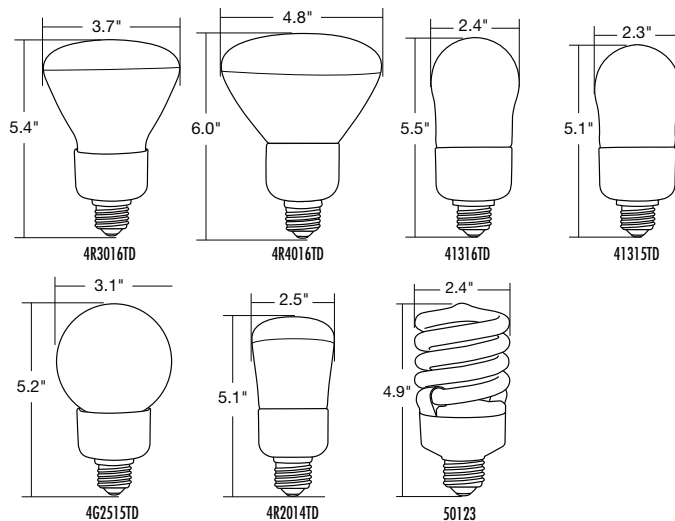
**Perfect for most dimmable applications:** Use where a standard incandescent is used.

- + Table Lamps
- + Chandeliers
- + Wall Scones
- + Ceiling Fixtures
- + Recessed Cans



### Features and Benefits

- Multi-level adaptive circuitry provides stable linear dimming from 100 to 2%
- Features a dimming curve that closely matches the human eye response of incandescent dimming
- Overdrive technology provides faster run-up time
- Superior circuitry design controls low dim level starting capability
- Zero low end flicker
- Unique NanoTi pre-phosphor coating improves Lumen Maintenance over the life of the lamp



TCP reserves the right to void the warranty for any misapplication of these products.

Catalog Number

Notes

Type



### Specifications (at full brightness)

|                             |                        |
|-----------------------------|------------------------|
| End of Life Protection..... | Yes                    |
| Ballast type .....          | Electronic             |
| Starting method.....        | Programmed Rapid Start |
| Voltage .....               | 120VAC                 |
| Frequency .....             | 50/60 HZ               |
| CRI .....                   | 82                     |
| FCC Compliance .....        | 47 CFR Part 18         |
| Power Factor .....          | > .70 at full power    |
| Rated Life .....            | 12,000 Hours           |

### Special Application Notes

- UL approved for wet location in base up position.
- 2 hour burn-in time at full power recommended.
- Covered and Reflectors UL approved for wet location base up position.
- 50123 approved for open recessed cans and enclosed non-recessed fixtures.

### Suggested Dimmer:

Designed specifically for use with standard non-illuminated 600 watt incandescent slide or rotary dimmer. Consult TCP Technical Support or dimmer manufacturer for compatibility with other dimmer types. Can also be used with dimmers designed specifically for CFLs.

| Warranties and Certifications:                | Item #   | Description                  | Wattage | Incandescent Wattage Comparison | Initial Lumens | M.O.L. (inches) | Diameter (inches) | Input Line Current | Lamp Shape |
|-----------------------------------------------|----------|------------------------------|---------|---------------------------------|----------------|-----------------|-------------------|--------------------|------------|
| <div>24 MONTH WARRANTY</div> <div>cULus</div> | 4R3016TD | 16 WATT R30 Dimmable         | 16      | 65W                             | 650            | 5.4             | 3.7               | .19A               | R30        |
|                                               | 4R2014TD | 14 WATT R20 Dimmable         | 14      | 50W                             | 410            | 5.1             | 2.5               | .17A               | R20        |
|                                               | 4R4016TD | 16 WATT R40 Dimmable         | 16      | 65W                             | 750            | 6.1             | 4.8               | .19A               | R40        |
|                                               | 41316TD  | 16 WATT A-Lamp Dimmable      | 16      | 60W                             | 850            | 5.5             | 2.4               | .19A               | A-21       |
|                                               | 41315TD  | 15 WATT A-Lamp Dimmable      | 15      | 60W                             | 750            | 5.1             | 2.3               | .18A               | A-19       |
|                                               | 4G2515TD | 15 WATT G25 Globe Dimmable   | 15      | 60W                             | 750            | 5.2             | 3.1               | .18A               | G25        |
|                                               | 50123    | 23 WATT Full Spring Dimmable | 23      | 100W                            | 1500           | 4.9             | 2.4               | .23A               | Spring     |

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# TruDim™ Dimmable Covered CFL Specification

| Color Temperature                       | Item #      | Description                        | Wattage | Incandescent<br>Wattage<br>Comparison | Initial<br>Lumens | M.O.L.<br>(inches) | Diameter<br>(inches) | Input Line<br>Current | Lamp<br>Shape |
|-----------------------------------------|-------------|------------------------------------|---------|---------------------------------------|-------------------|--------------------|----------------------|-----------------------|---------------|
| <b>2700°K</b>                           | 4R3016TD    | 16 WATT R30 Dimmable               | 16      | 65W                                   | 650               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD    | 14 WATT R20 Dimmable               | 14      | 50W                                   | 410               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD    | 16 WATT R40 Dimmable               | 16      | 65W                                   | 750               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD     | 16 WATT A-Lamp Dimmable            | 16      | 60W                                   | 850               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD     | 15 WATT A-Lamp Dimmable            | 15      | 60W                                   | 750               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD    | 15 WATT G25 Globe Dimmable         | 15      | 60W                                   | 750               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 50123       | 23 WATT Full Spring Dimmable       | 23      | 100W                                  | 1500              | 4.9                | 2.4                  | .23A                  | Spring        |
| <b>3000°K</b><br>ordering suffix<br>30K | 4R3016TD30K | 16 WATT R30 Dimmable 3000K         | 16      | 65W                                   | 650               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD30K | 14 WATT R20 Dimmable 3000K         | 14      | 50W                                   | 410               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD30K | 16 WATT R40 Dimmable 3000K         | 16      | 65W                                   | 750               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD30K  | 16 WATT A-Lamp Dimmable 3000K      | 16      | 60W                                   | 850               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD30K  | 15 WATT A-Lamp Dimmable 3000K      | 15      | 60W                                   | 750               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD30K | 15 WATT G25 Globe Dimmable 3000K   | 15      | 60W                                   | 750               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 5012330K    | 23 WATT Full Spring Dimmable 3000K | 23      | 100W                                  | 1500              | 4.9                | 2.4                  | .23A                  | Spring        |
| <b>3500°K</b><br>ordering suffix<br>35K | 4R3016TD35K | 16 WATT R30 Dimmable 3500K         | 16      | 65W                                   | 600               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD35K | 14 WATT R20 Dimmable 3500K         | 14      | 50W                                   | 380               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD35K | 16 WATT R40 Dimmable 3500K         | 16      | 65W                                   | 700               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD35K  | 16 WATT A-Lamp Dimmable 3500K      | 16      | 60W                                   | 800               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD35K  | 15 WATT A-Lamp Dimmable 3500K      | 15      | 60W                                   | 700               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD35K | 15 WATT G25 Globe Dimmable 3500K   | 15      | 60W                                   | 700               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 5012335K    | 23 WATT Full Spring Dimmable 3500K | 23      | 100W                                  | 1500              | 4.9                | 2.4                  | .23A                  | Spring        |
| <b>4100°K</b><br>ordering suffix<br>41K | 4R3016TD41K | 16 WATT R30 Dimmable 4100K         | 16      | 65W                                   | 600               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD41K | 14 WATT R20 Dimmable 4100K         | 14      | 50W                                   | 380               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD41K | 16 WATT R40 Dimmable 4100K         | 16      | 65W                                   | 700               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD41K  | 16 WATT A-Lamp Dimmable 4100K      | 16      | 60W                                   | 800               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD41K  | 15 WATT A-Lamp Dimmable 4100K      | 15      | 60W                                   | 700               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD41K | 15 WATT G25 Globe Dimmable 4100K   | 15      | 60W                                   | 700               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 5012341K    | 23 WATT Full Spring Dimmable 4100K | 23      | 100W                                  | 1450              | 4.9                | 2.4                  | .23A                  | Spring        |
| <b>5000°K</b><br>ordering suffix<br>50K | 4R3016TD50K | 16 WATT R30 Dimmable 5000K         | 16      | 65W                                   | 550               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD50K | 14 WATT R20 Dimmable 5000K         | 14      | 50W                                   | 380               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD50K | 16 WATT R40 Dimmable 5000K         | 16      | 65W                                   | 675               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD50K  | 16 WATT A-Lamp Dimmable 5000K      | 16      | 60W                                   | 775               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD50K  | 15 WATT A-Lamp Dimmable 5000K      | 15      | 60W                                   | 675               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD50K | 15 WATT G25 Globe Dimmable 5000K   | 15      | 60W                                   | 675               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 5012350K    | 23 WATT Full Spring Dimmable 5000K | 23      | 100W                                  | 1450              | 4.9                | 2.4                  | .23A                  | Spring        |
| <b>6500°K</b><br>ordering suffix<br>65K | 4R3016TD65K | 16 WATT R30 Dimmable 6500K         | 16      | 65W                                   | 550               | 5.4                | 3.7                  | .19A                  | R30           |
|                                         | 4R2014TD65K | 14 WATT R20 Dimmable 6500K         | 14      | 50W                                   | 380               | 5.1                | 2.5                  | .17A                  | R20           |
|                                         | 4R4016TD65K | 16 WATT R40 Dimmable 6500K         | 16      | 65W                                   | 675               | 6.1                | 4.8                  | .19A                  | R40           |
|                                         | 41316TD65K  | 16 WATT A-Lamp Dimmable 6500K      | 16      | 60W                                   | 775               | 5.5                | 2.4                  | .19A                  | A-21          |
|                                         | 41315TD65K  | 15 WATT A-Lamp Dimmable 6500K      | 15      | 60W                                   | 675               | 5.1                | 2.3                  | .18A                  | A-19          |
|                                         | 4G2515TD65K | 15 WATT G25 Globe Dimmable 6500K   | 15      | 60W                                   | 675               | 5.2                | 3.1                  | .18A                  | G25           |
|                                         | 5012365K    | 23 WATT Full Spring Dimmable 6500K | 23      | 100W                                  | 1400              | 4.9                | 2.4                  | .23A                  | Spring        |

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