

TCP TruDim Covered Lamps 12,000 Hours average rated life, 120 V

# TruDim™

Technology by TCP

**Applications:**

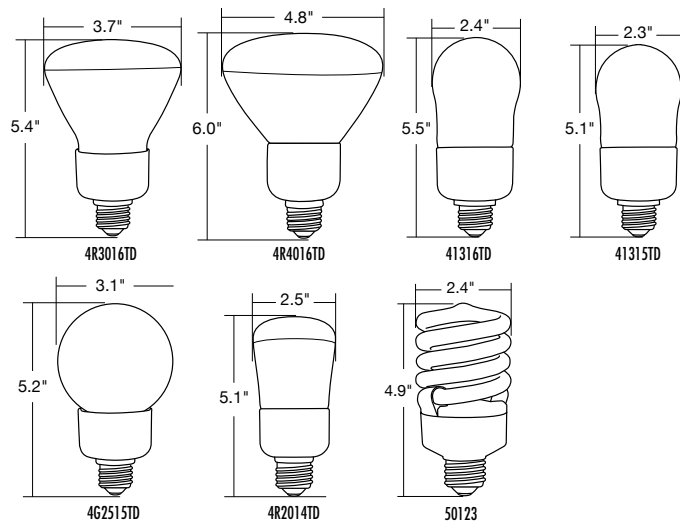
**Perfect for most dimmable applications:** Use where a standard incandescent is used.

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



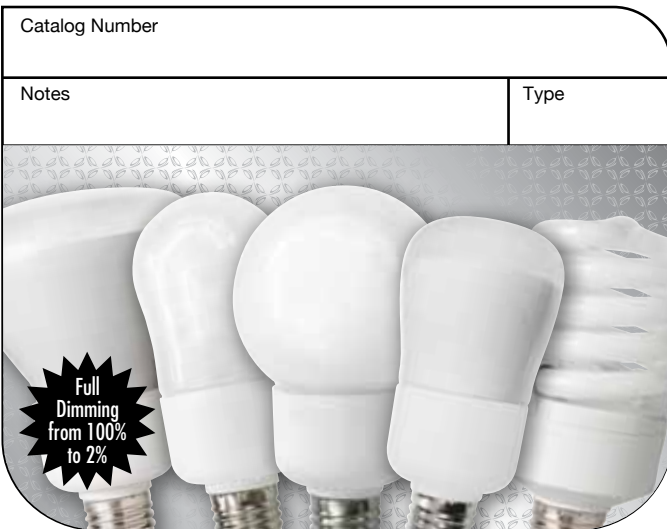
**Features and Benefits**

- Multi-level adaptive circuitry provides stable linear dimming from 100 to 2%
- Superior circuitry design controls low dim level starting capability
- Features a dimming curve that closely matches the human eye response of incandescent dimming
- Zero low end flicker
- Overdrive technology provides faster run-up time
- 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.

| Warranties and Certifications: | Item #   | Description                  | Wattage | Incandescent Wattage Comparison | Initial Lumens | M.O.L. (inches) | Diameter (inches) | Input Line Current | Lamp Shape |
|--------------------------------|----------|------------------------------|---------|---------------------------------|----------------|-----------------|-------------------|--------------------|------------|
| <br>                           | 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      | 50W                             | 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     |



**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.



# TruDim™

Technology by TCP

The *ONLY* fully dimmable CFL!



**Nothing Compares!**

TruDim compact fluorescent lamps dim like incandescent lamps – from 100% all the way down to 2% with zero low end flicker!

But unlike incandescent, our TruDim lamps are long-lasting and energy efficient!

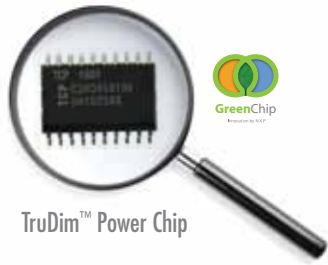
**TRULY THE BEST!**  
There is no better choice





**Dims like incandescent**

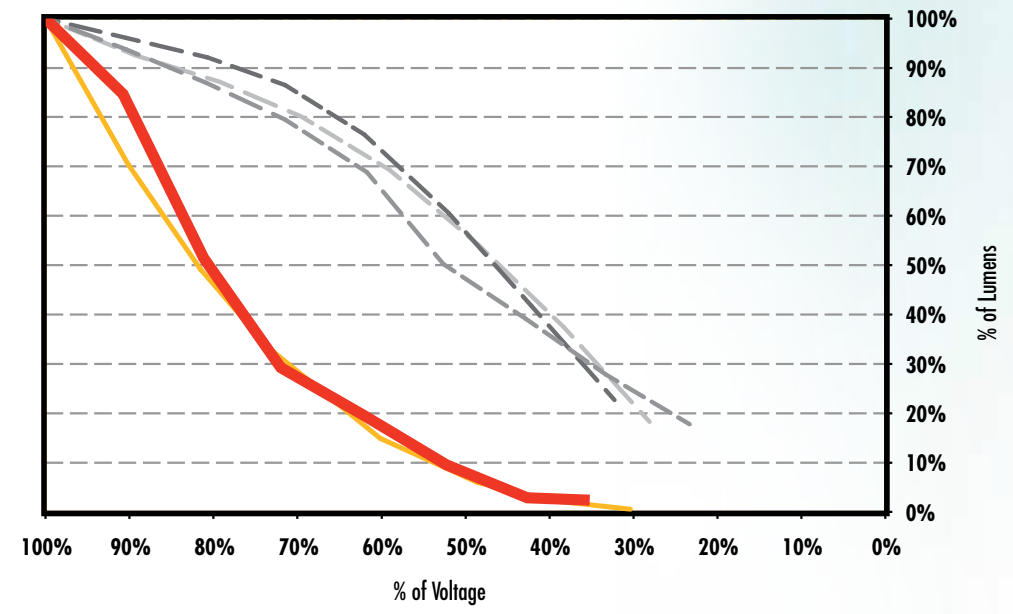
Works with all standard rotary and slide dimmers!



# The *ONLY* fully dimmable CFL!

TCP is proud to introduce our TruDim™ line of *truly* amazing dimmable lamps! With smooth dimming that mirrors incandescent lamps, TruDim is the only choice for your dimming needs.

## Dimming Curve



TruDim™ CFLs act just like incandescent lamps – the other CFL products don't even come close! This is achieved using TCP's advanced digital-chip technology, which maintains superior lamp dimming lumen output stability, enabling industry exclusive low-dim level starting capability so there's no need to reset the dimmer every time the lights are turned on. TruDim also improves starting performance by boosting the CFL's power briefly to increase initial lumen output, then adjusts to normal output levels after 30-45 seconds. TCP's IC-chip ballast control significantly improves overall lamp life. These new dimming CFLs are rated to 12,000 hours under normal use.

So now you have an energy efficient bulb that dims in the way you've come to expect. Try it for yourself.

**Nothing Compares!**

- TruDim™
- Incandescent
- - - Competitor A
- - - Competitor B
- - - Competitor C



|          |             |
|----------|-------------|
| 4R3016TD | 16 W R30    |
| 4R2014TD | 14 W R20    |
| 4R4016TD | 16 W R40    |
| 41316TD  | 16 W A-Lamp |
| 41315TD  | 15 W A-Lamp |
| 4G2515TD | 15 W G25    |
| 50123    | 23 W Spring |

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  - Chandeliers
  - Ceiling Fixtures

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**RoHS**  
COMPLIANT

**UL** US LISTED

TCP is proud to have been awarded ENERGY STAR® Partner of the Year 2010.

