



GENERAL INFORMATION

Source 4WRD (Watt Reduction Device) LED is a replacement for a standard Source Four® burner assembly that will convert the HPL source to a white-light LED and provides a significant reduction in power consumption. The simple and quick upgrade is nondestructive and takes less than a minute. In most cases it can even be done without breaking the fixture’s focus. Source 4WRD LED is theatrically dimmable via DMX or line dimmable, with a traditional LED curve, to allow flexibility for your installation. And, because it is an LED source, your fixtures will run cool and efficiently without lamp replacements.

APPLICATIONS

- Energy saving retrofits
- Houses of worship
- Universities and schools
- Hospitality
- Retail
- Exhibition centers
- Meeting rooms
- Clubs
- Cafeteriums
- Theaters

ORDERING INFORMATION

Source 4WRD

| MODEL      | DESCRIPTION   |
|------------|---|
| S4WRD      | Source 4WRD Retrofit Kit                            |
| S4WRDFB*   | Source 4WRD w/ Spot Fixture Body                    |
| S4WRDGG    | Source 4WRD Gallery (90+ CRI) Retrofit Kit          |
| S4WRDGGFB* | Source 4WRD Gallery (90+ CRI) w/ Spot Fixture Body  |
| S4WRDDG    | Source 4WRD Daylight Gallery (90+ CRI) Retrofit Kit |

\*S4WRDFB ships with a fixture body, barrel and c-clamp. Lens tubes are sold separately.

Connector Designation

Use suffixes below to specify factory-fitted connector type

| MODEL | DESCRIPTION                            |
|-------|--|
| -A    | Parallel-blade U-ground connector      |
| -B    | Two-pin and ground, 20 amp connector   |
| -C    | Grounded, 20 amp, Twistlock® connector |

See back page for Source Four Accessories



## PRODUCT SPECIFICATIONS

## Source

|                                  |   |
|----------------------------------|---|
| LED details                      | S4WRD LED   |
| Max lumens                       | 9,909 / 7,440 / 8,601<br>(3000K / 3000K Gallery / Daylight Gallery) |
| Lumens per watt                  | 63.9 / 48.0 / 55.5<br>(3000K / 3000K Gallery / Daylight Gallery)    |
| L70 rating (hours to 70% output) | 60,000 hours  |

## Color

|                         |                                    |
|-------------------------|------------------------------------|
| Colors Used             | Warm or Cool White                 |
| Color temperature range | 3000K 80 or 90+ CRI, 5600K 90+ CRI |
| Calibrated array        | No                                 |
| Red shift               | No                                 |

## Optical

|                                 |                     |
|---------------------------------|---------------------|
| Field angle range               | 5° - 90°            |
| Gate size                       | 79.24mm             |
| Aperture size                   | Lens dependent      |
| Pattern projection              | Yes                 |
| Pattern size                    | A or B (see manual) |
| Camera flicker control/Hz range | No, not PWM dimmed  |

## Control

|                            |  |
|----------------------------|--|
| Input method               | Line Voltage with DMX Control or Line Dimmed |
| Protocols                  | DMX via RJ45                                 |
| Modes (Footprint)          | 1 Channel (Intensity) for DMX                |
| RDM configuration          | Yes  |
| UI type                    | 7-segment address display                    |
| Local control              | Yes  |
| Onboard presets            | No   |
| Onboard sequences          | No   |
| Onboard effects            | No   |
| Fixture to fixture control | No   |
| Notes                      | Local level control via UI                   |

## Electrical

|                           |  |
|---------------------------|--|
| Voltage range             | 114V - 125V, 60Hz  |
| Input method              | Hard wired, 1-meter cord, Edison plug  |
| Inrush                    | 30A (first half-cycle) at 120V   |
| Fixtures per circuit      | 14 (20A switched circuit, R20 module or similar)   |
| Wattage (Typical/Standby) | 155W/1.2W  |
| Current draw              | 1.35A at 120V  |
| Notes                     | When using line dimming, see the S4WRD Manual for dimmer setup<br>When using line dimming, standby power is 0W |

## Thermal

|                        |                            |
|------------------------|----------------------------|
| Ambient operating temp | 5-50° C (41-122° F)        |
| Fan (controllable)     | Yes (no)                   |
| Droop compensation     | No                         |
| dB range               | 28dBa (average at 1 meter) |
| BTUs/hour              | 529                        |

## Physical

|                      |   |
|----------------------|---|
| Materials            | Die-cast aluminum   |
| Color options        | Black, white, silver or custom color  |
| Mounting options     | Yoke  |
| IP rating            | IP-20, indoor only  |
| Weight               | 3.73 lbs (1.69 kg)  |
| Included accessories | Fixture body, barrel, c-clamp   |
| Notes                | See accessories list for power cable options<br>Included accessories are only for fixture body (FB) model numbers |

## Warranty

|              |             |
|--------------|-------------|
| Retrofit Kit | Three years |
|--------------|-------------|

PRODUCT FEATURES



**EASY LED RETROFIT**

Designed to turn any Source Four incandescent fixture into an LED fixture in seconds



**MULTIPLE OPTIONS**

Available in both 3000K and 5600K color temperatures

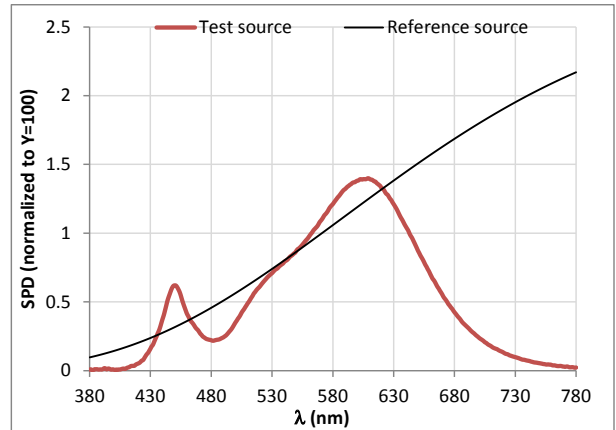
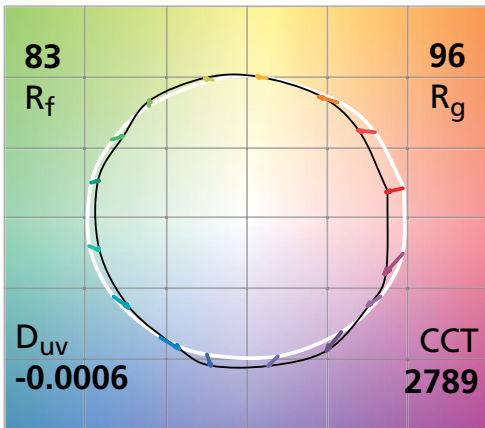


**IMPRESSIVE OUTPUT**

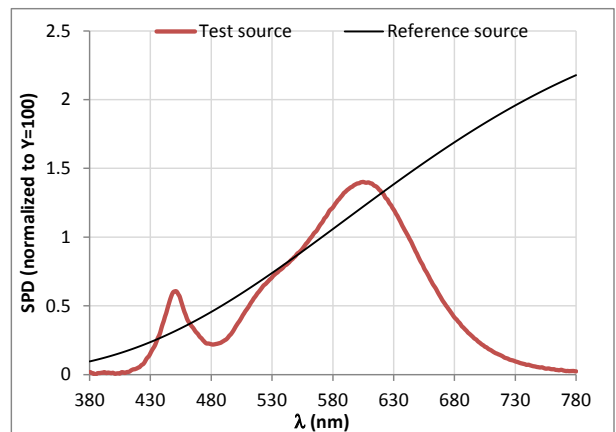
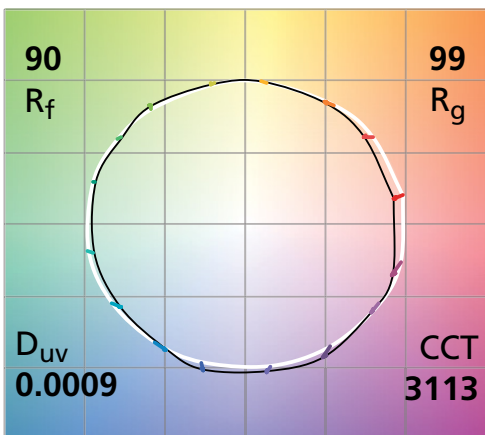
Output is as bright or brighter than a 575-watt extended life HPL lamp

COLOR METRIC INFORMATION

**TM-30-15 - 80CRI**

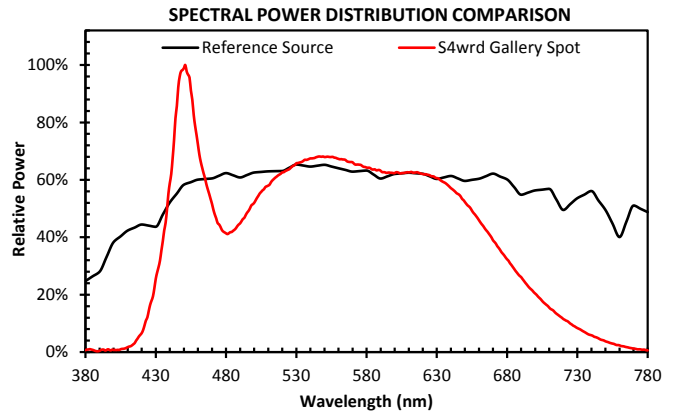
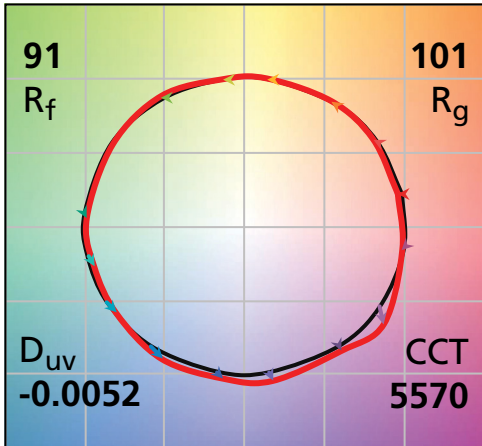


**TM-30-15 - GALLERY 90CRI**



COLOR METRIC INFORMATION

TM-30-15 - DAYLIGHT GALLERY 90CRI



Additional Color Metrics

|                                      | STANDARD | GALLERY | DAYLIGHT GALLERY |
|--------------------------------------|----------|---------|------------------|
| CRI R <sub>s</sub> (R <sub>g</sub> ) | 81 (9)   | 92 (59) | 93 (73)          |
| TLCI                                 | 66       | 92      | 95               |

## PHOTOMETRICS

For full Source 4WRD photometry data, please view the Source 4WRD Photometry Guide at [etcconnect.com](http://etcconnect.com)

| DEG     | S4WRD LED LUMENS | S4WRD LED GALLERY LUMENS | S4WRD LED DAYLIGHT GALLERY LUMENS | HPL 575W/120X LUMENS | HPL 750W/115V LUMENS |
|---------|------------------|--------------------------|-----------------------------------|----------------------|----------------------|
| 5       | 6,577            | 4,938                    | 5,708                             | 5,247                | 9,370                |
| 10      | 7,482            | 5,617                    | 6,493                             | 6,678                | 11,925               |
| 14      | 7,696            | 5,778                    | 6,679                             | 7,196                | 12,850               |
| 19      | 6,818            | 5,119                    | 5,918                             | 6,261                | 11,180               |
| 19 EDLT | 8,008            | 6,012                    | 6,950                             | 7,287                | 13,012               |
| 26      | 7,597            | 5,704                    | 6,594                             | 7,666                | 13,690               |
| 26 EDLT | 9,502            | 7,134                    | 8,248                             | 8,631                | 15,412               |
| 36      | 8,959            | 6,726                    | 7,775                             | 7,974                | 14,240               |
| 36 EDLT | 9,006            | 6,762                    | 7,817                             | 7,992                | 14,271               |
| 50      | 8,652            | 6,496                    | 7,509                             | 7,829                | 13,980               |
| 50 EDLT | 8,446            | 6,341                    | 7,330                             | 8,085                | 14,437               |
| 70      | 9,909            | 7,440                    | 8,601                             | 9,033                | 16,130               |
| 90      | 9,843            | 7,390                    | 8,543                             | 7,395                | 13,205               |

## ORDERING INFORMATION

Continued from front page...

**Source Four Accessories**

| MODEL   | DESCRIPTION  |
|---------|--|
| 400CC   | C-clamp  |
| 400PH-A | Pattern holder (A size)  |
| 400PH-B | Pattern holder (B size)  |
| 400PH-G | Glass pattern holder   |
| 400SC   | Safety cable   |
| 400RS   | Drop-in iris   |
| 400CF   | Colorframe (6.25")   |
| 400DN   | Donut (6.25")  |
| 400TH   | Top hat  |
| 400HH   | Half hat   |
| 400GE   | Gel extender (Recommended for 19° and 26° only)                |
| 407GE   | Conical gel extender (requires 407CF below)                    |
| 407CF   | 7.5" Square color frame (required for 14°, 70°, 90° and 407GE) |
| 400FB   | Source Four fixture body, single clutch                        |
| W6538   | RJ45 to Female 5-pin XLR adapter                               |
| W6539   | RJ45 to Male 5-pin XLR adapter                                 |
| N4086   | RJ45 DMX Terminator  |

Note: For colors other than black or white, please call ETC.

**Lens Tubes**

| MODEL   | DESCRIPTION                                   |
|---------|---|
| 490LT   | 90° Lens tube with lens installed, Black      |
| 470LT   | 70° Lens tube with lens installed, Black      |
| 450LT   | 50° Lens tube with lens installed, Black      |
| 436LT   | 36° Lens tube with lens installed, Black      |
| 426LT   | 26° Lens tube with lens installed, Black      |
| 419LT   | 19° Lens tube with lens installed, Black      |
| 414LT   | 14° Lens tube with lens installed, Black      |
| 410LT   | 10° Lens tube with lens installed, Black      |
| 405LT   | 5° Lens tube with lens installed, Black       |
| 450EDLT | 50° EDLT Lens tube with lens installed, Black |
| 436EDLT | 36° EDLT Lens tube with lens installed, Black |
| 426EDLT | 26° EDLT Lens tube with lens installed, Black |
| 419EDLT | 19° EDLT Lens tube with lens installed, Black |

PHYSICAL

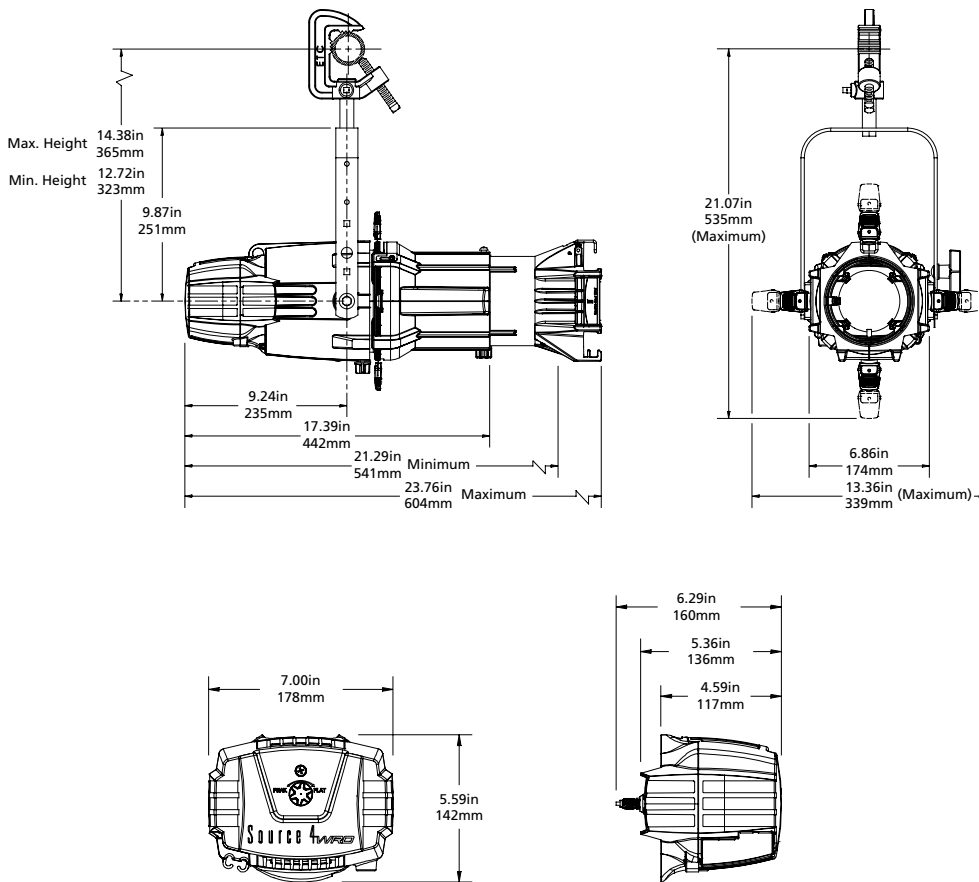
Source 4WRD Dimensions

| MODEL                             | HEIGHT |     | WIDTH |     | DEPTH |     |
|-----------------------------------|--------|-----|-------|-----|-------|-----|
|                                   | In     | mm  | In    | mm  | In    | mm  |
| S4WRD/S4WRDGD/S4WRDDG             | 5.59   | 142 | 7.00  | 178 | 6.29  | 160 |
| S4WRDFB/S4WRDGF with 26 deg. lens | 21.07  | 535 | 13.36 | 339 | 23.76 | 604 |

Source 4WRD Weights\*

| MODEL                     | WEIGHT |      | SHIPPING WEIGHT |      |
|---------------------------|--------|------|-----------------|------|
|                           | lb     | kg   | lb              | kg   |
| S4WRD/S4WRDGD/S4WRDDG     | 3.73   | 1.69 | 4.25            | 1.93 |
| S4WRDFB/S4WRDGF (no lens) | 13.2   | 5.99 | 14              | 6.35 |

\*Source 4WRD adds 2.05 lbs to the total fixture weight over a standard burner assembly.



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