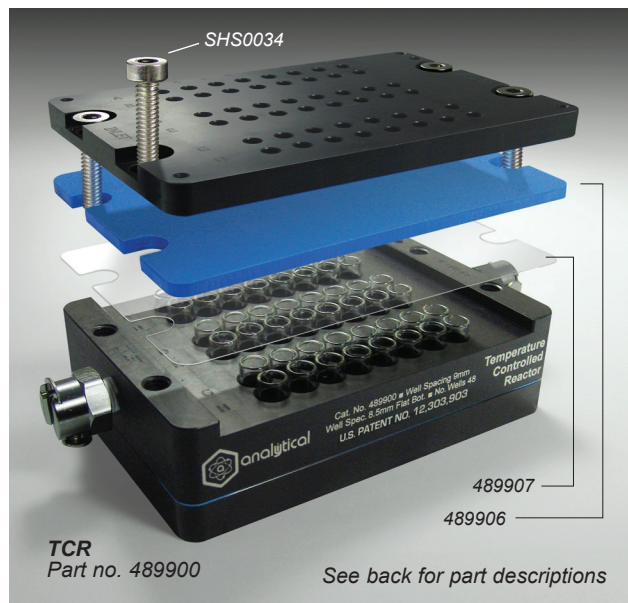


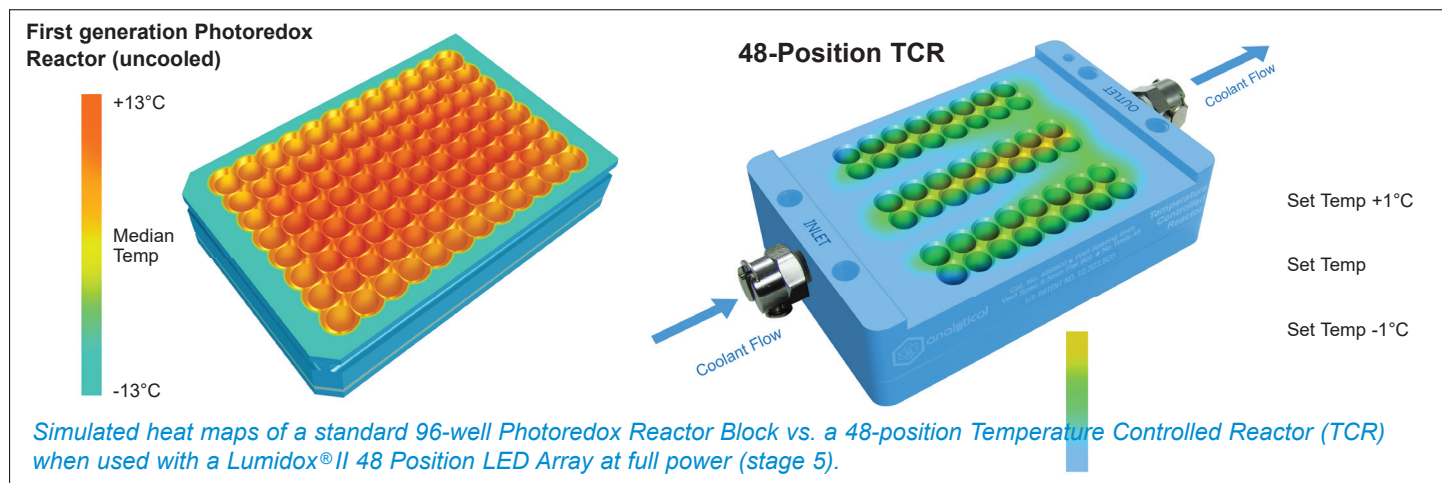


## Screen & Scale-up with the Same Precision

### Temperature Controlled Reactors (TCRs) for 8x30mm and 1 Dram Vials



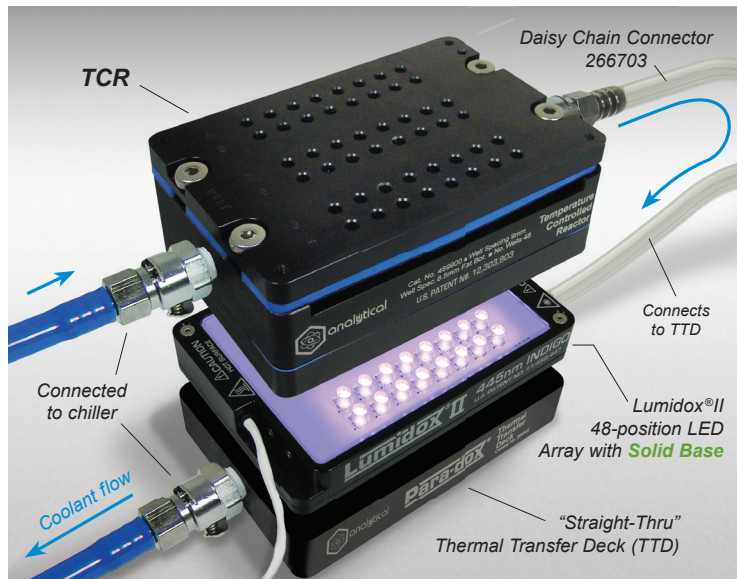
- Provides extremely uniform thermal control for high throughput experimentation (HTE) with a temperature difference of +/- 1°C
- Capable of enhanced reproducibility in heating and cooling applications
- High quality leak-proof CPC fittings for quick and easy tubing connection and removal
- Compatible with a wide range of heat transfer fluids such as water (down to 5°C), ethylene glycol, polypropylene glycol and silicone-based fluids (ie SYLTHERM™)
- Designed to standard SLAS dimensions (127.75mm x 85.5mm) with standard 9mm well-to-well pitch
- Compatible with auto-samplers and other staples of high throughput chemistry
- 4mm holes in lid allow for use with most common autosampler needles
- Threaded holes (6-32) in lid for accessory attachment



Standard 8 x 30mm vials, 48-position Photoredox, TCR  
Requires Lumidox®II 48-position LED Array (see back page)



1 Dram vials, 24-position Photoredox, TCR  
Uses our 24-position LED Array with 18mm spacing (see back page)



**Typical configuration:** 48-position TCR used in conjunction with a Lumidox®II 48-position **Solid Base** LED Array, a "Straight-Thru" Thermal Transfer Deck (for additional cooling of array) and connected to an external liquid chiller.

## 48-Position TCR for 8x30mm Vials

• 48 Wells (6 Rows of 8) • 9mm Well Spacing

| Cat. No.   | Description   | Qty  |
|------------|---|------|
| 489900     | <b>48-position TCR.</b> Includes: PFA Film, Blue Fluorosilicone Rubber Sealing Mat, Rubber Gasket, Silicone O-Rings, CPC Fittings, PUR Tubing, Screws. <i>Vials not included.</i> | Each |
| 489906     | 1/8" Thick, Blue Fluorosilicone Rubber Sealing Mats for TCR   | 5    |
| 489907     | 0.005" Thick PFA Sealing Films for TCR  | 25   |
| 489908     | 9mm OD, 6mm ID, 1.5mm Wide Silicone O-rings for TCR   | 50   |
| SHS0034    | 18-8 SS Low-Profile Socket Head Screw w/ Hex Drive, 5/16"-18 Threads, 3/4" Long   | 5    |
| 84001-Case | <b>1mL Clear Glass Shell Vials, 8 x 30mm</b>  | 1000 |
| 488401     | Well Tray for TCR, Pre-loaded with 48 8x30 Shell Vials (84001-CASE)   | Each |

### Lumidox®II 48-position LED Array for TCR with **Solid Base**

- Lens Mat surface
- Requires Thermal Transfer Deck (TTD) connected to chiller

| Cat. No.    | Wavelength (nm) | Cat. No.    | Wavelength (nm) |
|-------------|-----------------|-------------|-----------------|
| LUM248LS365 | UV365           | LUM248LS470 | 470-BLUE        |
| LUM248LS375 | UV375           | LUM248LS505 | 505-CYAN        |
| LUM248LS385 | UV385           | LUM248LS527 | 527-GREEN       |
| LUM248LS395 | UV395           | LUM248LS590 | 590-AMBER       |
| LUM248LS405 | UV405           | LUM248LS630 | 630-RED         |
| LUM248LS420 | 420-VIOLET      | LUM248LSWHT | WHITE           |
| LUM248LS445 | 445-INDIGO      |             |                 |



## 24-Position TCR for 1 Dram Vials

• 24 Wells (4 Rows of 6) • 18mm Well Spacing

| Cat. No.   | Description  | Qty  |
|------------|--|------|
| 249900     | <b>24-position TCR.</b> Includes: PFA Film, Silicone Rubber Sealing Mat, Rubber Gasket, CPC Fittings, PUR Tubing, Screws. <i>Vials not included.</i> | Each |
| 101247     | Top Rubber Mats for Gen II 24-Well Reactors (with 18mm Spacing)  | 25   |
| 101248     | Top PFA Films for Gen II 24-Well Reactors (with 18mm Spacing)  | 25   |
| SHS0114    | Socket Head Screws for Gen II 24-Well Reactors, 5/16"-18 Threads, 1-1/4" Long  | 5    |
| 31531-Case | <b>13mm, 15 x 45mm, 4mL (1 Dram) Clear Glass Screw Vials</b>   | 1000 |
| 31554-Case | <b>13mm Black PP Solid Screw Caps with PTFE/F217 Liners</b>  | 1000 |

### Lumidox®II 24-position LED Array with 18mm Spacing, **Solid Base**

- Lens Mat surface
- Requires Thermal Transfer Deck (TTD) connected to chiller

| Cat. No.      | Wavelength (nm) | Cat. No.      | Wavelength (nm) |
|---------------|-----------------|---------------|-----------------|
| LUM22418LS365 | UV365           | LUM22418LS470 | 470-BLUE        |
| LUM22418LS375 | UV375           | LUM22418LS505 | 505-CYAN        |
| LUM22418LS385 | UV385           | LUM22418LS527 | 527-GREEN       |
| LUM22418LS395 | UV395           | LUM22418LS590 | 590-AMBER       |
| LUM22418LS405 | UV405           | LUM22418LS630 | 630-RED         |
| LUM22418LS420 | 420-VIOLET      | LUM22418LSWHT | WHITE           |
| LUM22418LS445 | 445-INDIGO      |               |                 |

## Tech Tip

- **Temperature Controlled Reactor (TCR)\*** - cools vials
- **Thermal Transfer Deck (TTD)\*** - cools LED Array (solid base)
- **LED Array with solid base** - needs TTD and chiller for cooling
- \* Connects to **External Liquid Chiller**, required

### Additional Required Parts

| Cat. No.  | Description   | Qty  |
|-----------|---|------|
| 266550    | Para-dox® "Straight-Thru" Thermal Transfer Deck (TTD) | Each |
| 266703    | Daisy Chain Connector for TCR and "Straight-Thru" TTD | Each |
| TCubeEdge | Recirculating Chiller. Operating Range: 0°C - 65°C    | Each |



### Temperature Transfer Cover for Gen II, 24-Well, 18mm Spacing Reactors

Perfect for those who prefer to cap their vials instead of sealing them with the standard aluminum cover, rubber mat and PFA film that come with the block assembly. When used in conjunction with a Thermal Transfer Deck (TTD) and external liquid chiller, the cover helps control excessive heat generated by a Lumidox II LED array.

| Cat. No. | Description   |
|----------|---|
| 249913   | Temperature Transfer Cover for Gen II, 24-Well, 18mm Spacing Reactors |
| 249800   | 24-Position TCR with Temperature Transfer Cover                       |