



|                |      |
|----------------|------|
| Catalog Number |      |
| Project        | Type |

## FEATURES & SPECIFICATIONS

**APPLICATION** — Low profile recessed Static Luminaires designed for general application and is ideal for restricted plenum spaces. Perfect for commercial office spaces, schools, hospitals or retail merchandising areas. With 50,000 hours of life at L70 standard and a 5-year limited warranty the fixture maintenance cost is reduced substantially over time.

**CONSTRUCTION** — Low profile body with matte white sloped side members. Extruded acrylic lens.

**FINISH** — Post painted housing and components with a Lighting White Polyester type paint which has a UV stabilizer included with a 93% reflectivity. Raw steel goes through our custom wash system with a mild solvent and pre treatment "rust inhibitor" before passing through a preheat oven. After the paint is applied the fixture then passes through the cure oven for maximum adhesion. Each fixture is painted to a minimum of 2-3 mil thickness for extra durability.

**OPTICAL SYSTEM** — Techlight/Horizon's state of the art Diffuser sets new benchmarks for performance in key metrics such as transmission efficiency for a given level of diffusion or hiding power, beating holographic, surface relief and bulk diffuser techniques. We enable high transmission and a pleasant uniform light at the same time.

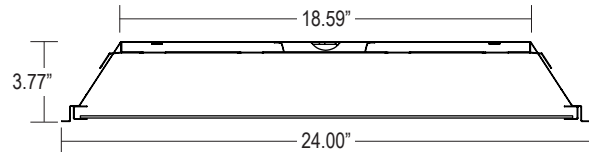
**ELECTRICAL SYSTEM** — Long life LED's and high efficiency drivers work together to provide superior performance in an efficient package to deliver optimal performance. LED's available in 3000K, 4000K and 5000K with a CRI >82. Electronic drivers are available in 120/277 volt applications. 0-10V dimming standard.

**LISTINGS** — ETL listed. LM79 and LM80 tested.

**WARRANTY** — The complete luminaire is covered by a 5-year limited warranty.



## 2x2 Lay-In LED Troffer LTR22 SERIES



| Series       | Housing Height | Length & Width  |
|--------------|----------------|-----------------|
| <b>LTR22</b> | 3.77"          | 24.00" x 24.00" |

## ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Example: **LTR22 4 S 40 1**

| Series       | # of LED Strips  | Output   | Color Temp/CCT  | Voltage                          | Diffuser  |
|--------------|--|--|---|----------------------------------|---|
| <b>LTR22</b> | <b>2</b> 2 LED Strips<br><b>3</b> 3 LED Strips<br><b>4</b> 4 LED Strips<br><b>6</b> 6 LED Strips | <b>S</b> Standard (350 mA)<br><b>M</b> Medium (525 mA)<br><b>H</b> High (700 mA) | <b>30</b> 3000K<br><b>40</b> 4000K<br><b>50</b> 5000K | <b>1</b> Multi-Volt <sup>1</sup> | <b>Blank</b> .100" #12 Acrylic<br><b>CA</b> Clear Acrylic<br><b>OA</b> Opaque Acrylic |

### Options (Order as separate line items)

|              |                                   |
|--------------|-----------------------------------|
| <b>LEB13</b> | 1300 Lumen Emergency Ballast      |
| <b>FBF</b>   | Fast-Blow Fuse                    |
| <b>SBF</b>   | Slow-Blow Fuse                    |
| <b>AC63</b>  | 6', 3/8" dia., Armored Flex Cable |

#### NOTES

- Actual wattage may differ by ±5% while operating 120/277V ±10%.
- Multi-Volt is 120/277V.

# LTR22 2x2 Lay-In LED Troffer

## Technical Data

| # of LED Strips | Drive Current | Color Temp | Delivered Lumens  |               |                | System Wattage | L70 @ 25°C (hrs) | Amperage Draw |        |
|-----------------|---------------|------------|-------------------|---------------|----------------|----------------|------------------|---------------|--------|
|                 |               |            | .100" #12 Acrylic | Clear Acrylic | Opaque Acrylic |                |                  | 120V          | 277V   |
| 2               | S<br>(350 mA) | 3000K      | 2079              | 2327          | 2138           | 22W            | >50K             | 0.19 A        | 0.08 A |
|                 |               | 4000K      | 2265              | 2536          | 2330           | 22W            | >50K             | 0.19 A        | 0.08 A |
|                 |               | 5000K      | 2345              | 2625          | 2412           | 22W            | >50K             | 0.19 A        | 0.08 A |
|                 | M<br>(525 mA) | 3000K      | 2691              | 3012          | 2768           | 38W            | >50K             | 0.32 A        | 0.14 A |
|                 |               | 4000K      | 2932              | 3282          | 3016           | 38W            | >50K             | 0.32 A        | 0.14 A |
|                 |               | 5000K      | 3036              | 3398          | 3123           | 38W            | >50K             | 0.32 A        | 0.14 A |
|                 | H<br>(700 mA) | 3000K      | 3637              | 4062          | 3732           | 45W            | >50K             | 0.38 A        | 0.17 A |
|                 |               | 4000K      | 3963              | 4426          | 4066           | 45W            | >50K             | 0.38 A        | 0.17 A |
|                 |               | 5000K      | 4103              | 4582          | 4210           | 45W            | >50K             | 0.38 A        | 0.17 A |

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|-----------------|---------------|------------|-------------------|---------------|----------------|----------------|------------------|---------------|--------|
|                 |               |            | .100" #12 Acrylic | Clear Acrylic | Opaque Acrylic |                |                  | 120V          | 277V   |
| 3               | S<br>(350 mA) | 3000K      | 3118              | 3491          | 3207           | 33W            | >50K             | 0.28 A        | 0.12 A |
|                 |               | 4000K      | 3398              | 3804          | 3495           | 33W            | >50K             | 0.28 A        | 0.12 A |
|                 |               | 5000K      | 3518              | 3938          | 3619           | 33W            | >50K             | 0.28 A        | 0.12 A |
|                 | M<br>(525 mA) | 3000K      | 4036              | 4519          | 4113           | 49W            | >50K             | 0.41 A        | 0.18 A |
|                 |               | 4000K      | 4398              | 4924          | 4482           | 49W            | >50K             | 0.41 A        | 0.18 A |
|                 |               | 5000K      | 4554              | 5098          | 4684           | 49W            | >50K             | 0.41 A        | 0.18 A |
|                 | H<br>(700 mA) | 3000K      | 5456              | 6093          | 5598           | 72W            | >50K             | 0.60 A        | 0.26 A |
|                 |               | 4000K      | 5945              | 6639          | 6100           | 72W            | >50K             | 0.60 A        | 0.26 A |
|                 |               | 5000K      | 6155              | 6874          | 6316           | 72W            | >50K             | 0.60 A        | 0.26 A |

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|-----------------|---------------|------------|-------------------|---------------|----------------|----------------|------------------|---------------|--------|
|                 |               |            | .100" #12 Acrylic | Clear Acrylic | Opaque Acrylic |                |                  | 120V          | 277V   |
| 4               | S<br>(350 mA) | 3000K      | 4158              | 4655          | 4277           | 43W            | >50K             | 0.35 A        | 0.16 A |
|                 |               | 4000K      | 4530              | 5072          | 4660           | 43W            | >50K             | 0.35 A        | 0.16 A |
|                 |               | 5000K      | 4691              | 5251          | 4825           | 43W            | >50K             | 0.35 A        | 0.16 A |
|                 | M<br>(525 mA) | 3000K      | 5382              | 6025          | 5536           | 75W            | >50K             | 0.63 A        | 0.28 A |
|                 |               | 4000K      | 5864              | 6565          | 6032           | 75W            | >50K             | 0.63 A        | 0.28 A |
|                 |               | 5000K      | 6072              | 6797          | 6246           | 75W            | >50K             | 0.63 A        | 0.28 A |
|                 | H<br>(700 mA) | 3000K      | 7275              | 8124          | 7464           | 89W            | >50K             | 0.75 A        | 0.33 A |
|                 |               | 4000K      | 7927              | 8852          | 8133           | 89W            | >50K             | 0.75 A        | 0.33 A |
|                 |               | 5000K      | 8207              | 9165          | 8421           | 89W            | >50K             | 0.75 A        | 0.33 A |

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|-----------------|---------------|------------|-------------------|---------------|----------------|----------------|------------------|---------------|--------|
|                 |               |            | .100" #12 Acrylic | Clear Acrylic | Opaque Acrylic |                |                  | 120V          | 277V   |
| 6               | S<br>(350 mA) | 3000K      | 6237              | 6982          | 6415           | 65W            | >50K             | 0.55 A        | 0.24 A |
|                 |               | 4000K      | 6796              | 7608          | 6990           | 65W            | >50K             | 0.55 A        | 0.24 A |
|                 |               | 5000K      | 7036              | 7877          | 7238           | 65W            | >50K             | 0.55 A        | 0.24 A |
|                 | M<br>(525 mA) | 3000K      | 8073              | 9038          | 8227           | 98W            | >50K             | 0.82 A        | 0.36 A |
|                 |               | 4000K      | 8796              | 9848          | 8964           | 98W            | >50K             | 0.82 A        | 0.36 A |
|                 |               | 5000K      | 9108              | 10196         | 9369           | 98W            | >50K             | 0.82 A        | 0.36 A |
|                 | H<br>(700 mA) | 3000K      | 10912             | 12186         | 11197          | 134W           | >50K             | 1.12 A        | 0.49 A |
|                 |               | 4000K      | 11890             | 13278         | 12200          | 134W           | >50K             | 1.12 A        | 0.49 A |
|                 |               | 5000K      | 12311             | 13748         | 12632          | 134W           | >50K             | 1.12 A        | 0.49 A |

NOTES

1 Actual wattage may differ by ±5% while operating 120/277V ±10%.



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