Lieto™ Light Fixture

“Lieto” is an LED light fixture specifically designed for use in Wenger orchestra shells. The shallow mechanical design fully encloses components and includes a powder-coat steel bezel to properly finish the shell ceiling appearance from below.

Features
- Designed for Maestro and Diva Orchestra Shell applications
- Aluminum fixture construction and shallow ABS housing are compact and lightweight
- Three axis beam positioning provides tool-less pan, tilt and rotation utilizing a face side adjustment mechanism
- High Output CREE LED light engine - 12,000 lumens produced @ 150 watt setting
- Quiet with no buzzing, detectable RFI or cooling fans
- No UV heat produced
- Choice of 18, 28, 36, 70 degree and asymmetric beamspread options
- Choice of color temperature options - 2700K, 3000K and 4000K
- Choice of three glare control options
- 1% DMX512 dimming, without visible stepping, flash or flicker
- RDM remote fixture address and status reporting
- USB download of performance and usage data
- Each fixture individually addressable and controllable
- Compatible with DMX512 controlled UL924 emergency lighting solutions
- Energy efficient and LEED certification friendly - Wattage is firmware selectable
- Long life L70 > 70,000 Hours
- MVOLT - Compatible with 100 - 240 VAC 50 / 60 Hz electric service
- ETL and CE listed and labeled
- RoHS compliant and IP20 rated
- Includes Safety Cable Lanyard
- Includes Configuration Tablet/Firmware/USB Cable
- Five-year limited warranty
- Patent pending

Dimensions
Optical Performance

Lieto IES files were created using a calibrated goniophotometer by a third party independent laboratory. Wenger Corporation can assist with photometric calculations and layout recommendations using Lighting Analysts AGI software. IES files can be requested from Wenger and are also available for download from www.wengercorp.com.

<table>
<thead>
<tr>
<th>Ordering Code</th>
<th>Description</th>
<th>Lumens</th>
<th>Watts</th>
<th>LPW</th>
<th>Conversion Factor (from 150W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTO-150-18-30-RJ45-80-NL</td>
<td>18°, 150 watts, 3000K</td>
<td>11949</td>
<td>154</td>
<td>77.5</td>
<td>1.0</td>
</tr>
<tr>
<td>LTO-125-18-30-RJ45-80-NL</td>
<td>18°, 125 watts, 3000K</td>
<td>10671</td>
<td>132</td>
<td>81.0</td>
<td>0.9</td>
</tr>
<tr>
<td>LTO-100-18-30-RJ45-80-NL</td>
<td>18°, 100 watts, 3000K</td>
<td>9272</td>
<td>102</td>
<td>90.8</td>
<td>0.8</td>
</tr>
<tr>
<td>LTO-75-18-30-RJ45-80-NL</td>
<td>18°, 75 watts 3000K</td>
<td>7239</td>
<td>75</td>
<td>96.1</td>
<td>0.6</td>
</tr>
<tr>
<td>LTO-150-28-30-RJ45-80-NL</td>
<td>28°, 150 watts, 3000K</td>
<td>11759</td>
<td>151</td>
<td>77.9</td>
<td>1.0</td>
</tr>
<tr>
<td>LTO-125-28-30-RJ45-80-NL</td>
<td>28°, 125 watts, 3000K</td>
<td>10461</td>
<td>126</td>
<td>83.3</td>
<td>0.9</td>
</tr>
<tr>
<td>LTO-100-28-30-RJ45-80-NL</td>
<td>28°, 100 watts, 3000K</td>
<td>8968</td>
<td>101</td>
<td>88.7</td>
<td>0.8</td>
</tr>
<tr>
<td>LTO-75-28-30-RJ45-80-NL</td>
<td>28°, 75 watts, 3000K</td>
<td>7275</td>
<td>76</td>
<td>95.6</td>
<td>0.6</td>
</tr>
<tr>
<td>LTO-150-36-30-RJ45-80-NL</td>
<td>36°, 150 watts, 3000K</td>
<td>11495</td>
<td>151</td>
<td>76.2</td>
<td>1.0</td>
</tr>
<tr>
<td>LTO-125-36-30-RJ45-80-NL</td>
<td>36°, 125 watts, 3000K</td>
<td>10274</td>
<td>126</td>
<td>81.2</td>
<td>0.9</td>
</tr>
<tr>
<td>LTO-100-36-30-RJ45-80-NL</td>
<td>36°, 100 watts, 3000K</td>
<td>8848</td>
<td>102</td>
<td>86.6</td>
<td>0.8</td>
</tr>
<tr>
<td>LTO-75-36-30-RJ45-80-NL</td>
<td>36°, 75 watts, 3000K</td>
<td>7163</td>
<td>77</td>
<td>93.6</td>
<td>0.6</td>
</tr>
<tr>
<td>LTO-150-70-30-RJ45-80-NL</td>
<td>70°, 150 watts, 3000K</td>
<td>11114</td>
<td>138</td>
<td>80.5</td>
<td>1.0</td>
</tr>
<tr>
<td>LTO-125-70-30-RJ45-80-NL</td>
<td>70°, 125 watts, 3000K</td>
<td>10481</td>
<td>126</td>
<td>83.4</td>
<td>0.9</td>
</tr>
<tr>
<td>LTO-100-70-30-RJ45-80-NL</td>
<td>70°, 100 watts, 3000K</td>
<td>9046</td>
<td>101</td>
<td>89.3</td>
<td>0.8</td>
</tr>
<tr>
<td>LTO-75-70-30-RJ45-80-NL</td>
<td>70°, 75 watts, 3000K</td>
<td>7309</td>
<td>76</td>
<td>96.3</td>
<td>0.7</td>
</tr>
</tbody>
</table>

Ordering Information

Ordering Code Example:
LTO-150-18-30-RJ45-80-HX

- **Lieto Model Prefix**
- **Wattage**
  - 150 (standard)
  - 125
  - 100
  - 75
- **Beam Angle (°)**
  - 18
  - 28
  - 36
  - 70
  - A1 = 27 x 60
- **Control Connection**
  - RJ45 = RJ45 (standard)
  - 5XLR = 5 Pin XLR
- **White Color Temperature**
  - 27 = 2700K
  - 30 = 3000K (standard)
  - 40 = 4000K
- **White Color Rendering Index**
  - 80 (standard)
  - 90
- **Lens (optional)**
  - CR = Concentric Ring Louvre
  - HX = Hexcel Louvre
  - HM = Homogenizing Lens
  - NL = No Lens (standard)
Photometrics

Filename: LTO-150-18-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 18 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11949.3
Max Candela: 102,570.9 at Horizontal: 0°, Vertical: 0°
Input Wattage: 157.2
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 3 X 3

Filename: LTO-150-28-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 28 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11759.4
Max Candela: 47,775.2 at Horizontal: 0°, Vertical: 0°
Input Wattage: 151.1
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 3 X 3

Filename: LTO-150-36-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11495
Max Candela: 22,725.2 at Horizontal: 45°, Vertical: 2.5°
Input Wattage: 150.9
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 4 X 4

Filename: LTO-150-70-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11114
Max Candela: 8,273.6 at Horizontal: 0°, Vertical: 0°
Input Wattage: 137.9
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Cutoff
Nema Type: 6 X 6

Photometrics continued on the following page.
Photometrics (continued)

Filename: LTO-150-36-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11495
Max Candela: 22,725.2 at Horizontal: 2.5°, Vertical: 2.5°
Input Wattage: 150.9
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 3 X 3

Filename: LTO-150-28-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 28 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11759.4
Max Candela: 47,775.2 at Horizontal: 0°, Vertical: 0°
Input Wattage: 151.1
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 3 X 3

Filename: LTO-150-36-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 36 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11495
Max Candela: 22,725.2 at Horizontal: 2.5°, Vertical: 2.5°
Input Wattage: 150.9
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 3 X 3

Filename: LTO-150-70-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11114
Max Candela: 8,273.6 at Horizontal: 0°, Vertical: 0°
Input Wattage: 137.9
Luminous Opening: Circular (Dia: 11.04")
Test Lab: Intertek
Photometry: Type C
CIE Class: Direct
Cutoff Class: Cutoff
Nema Type: 6 X 6