Lieto™ Light Fixture

“Lieto” is an LED light fixture specifically designed for use in orchestra shells. Fixture construction is lightweight aluminum and “snag-free” curved ABS. The exceptionally shallow mechanical design fully encloses components and precludes interaction with people or nearby stage equipment. The fixture includes a powder-coat steel bezel to properly finish shell ceiling appearance from below.

Features
- Designed for Maestro and Diva Orchestra Shell applications.
- High Output CREE LED Light Engine - 12,000 lumens produced @ 150 watt setting.
- Music venue quiet with no buzzing or detectable RFI with no cooling fans.
- Musician comfortable - No UV and minimal heat produced.
- Choice of beamspread options - 18, 28, 36 and 70 degree.
- Choice of Color Temperature Options - 2700K, 3000K and 4000K.
- Choice of glare control options.
- Three axis beam positioning provided - pan, tilt and rotate with adjustment scale.
- 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 addressible and controllable.
- Compatible with DMX512 controlled UL924 emergency lighting solutions.
- Shallow ABS housing is compact, lightweight and snag free.
- No tools needed for adjustments.
- Energy efficient and LEED certification friendly - Wattage is firmware selectable.
- Long life and low maintenance - L70 > 70,000 Hours - One oversized LED driver used.
- MVOLT - Compatible with 100 - 240 VAC 50 / 60 Hz electric service.
- Five-year limited warranty.
- Patent pending.
- Includes Safety Cable Lanyard and Configuration Tablet/Firmware/USB Cable.
- ETL and CE listed and labeled.
- RoHS compliant and IP20 rated.

Dimensions

![Dimensions Image](image-url)
### 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>
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<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>
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</table>

### Ordering Information

Ordering Code Example:

LTO-150-18-30-RJ45-80-HX

- **Lieto Model Prefix**
- **Wattage** (standard): 150, 125, 100, 75
- **Beam Angle (°)**: 18, 28, 36, 70
- **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
Photometrics (continued)

Filename: LTO-150-28-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 2 8 Degree Beamspread - 1 50 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 - 3 6 Degree Beamspread - 1 50 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 - 7 0 Degree Beamspread - 1 50 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