Technical Sheet

Lieto™ White LED Light Fixture

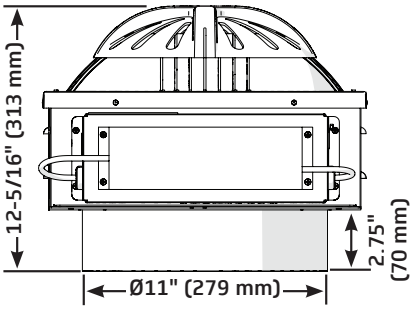
Wenger® CORPORATION

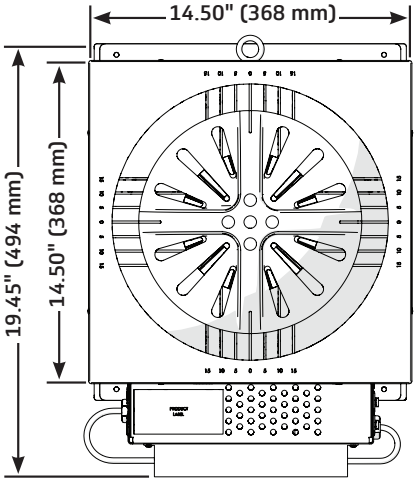
Lieto is an LED light fixture specifically designed for use in Wenger orchestra shells. The shallow mechanical design fully encloses components and includes a powder-coat steel bezel to properly finish the shell ceiling appearance from below.

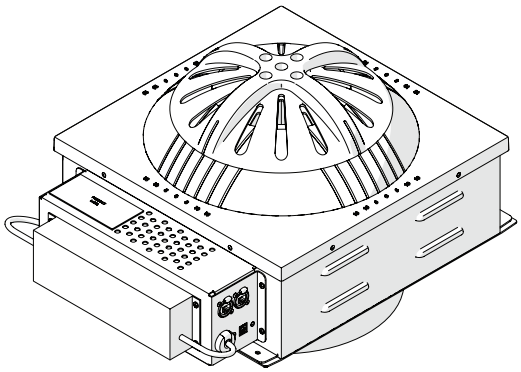
Features

- Designed for use in Wenger acoustical 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
- NC-17 acoustical rating
- No IR heat or UV produced
- Choice of 18, 28, 36, 54, 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 and includes an integrated tilt switch
- Fixtures are RDM compatible at all times, including performance and storage position
- Compatible with DMX512 controlled UL924 emergency lighting solutions
- Energy efficient; 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







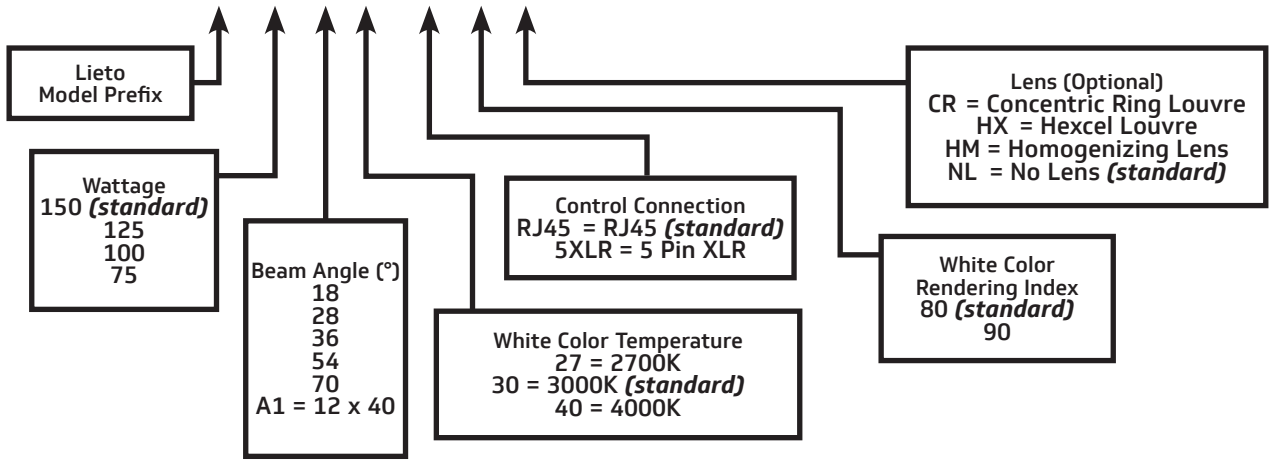
Optical Performance

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.

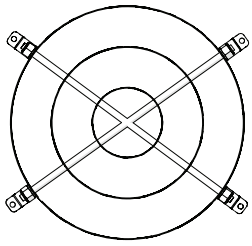
Ordering Code	Description	Lumens	LPW	Beam Angle (50%)	Field Angle (90%)
LTO-150-18-30-RJ45-80-NL	18°, 150 watts, 3000K	11949	76.0	17	32
LTO-125-18-30-RJ45-80-NL	18°, 125 watts, 3000K	10671	80.4	17	32
LTO-100-18-30-RJ45-80-NL	18°, 100 watts, 3000K	9272	85.2	17	32
LTO-75-18-30-RJ45-80-NL	18°, 75 watts, 3000K	7239	91.4	17	32
LTO-150-28-30-RJ45-80-NL	28°, 150 watts, 3000K	11759	77.8	27	44
LTO-125-28-30-RJ45-80-NL	28°, 125 watts, 3000K	10461	83.4	27	44
LTO-100-28-30-RJ45-80-NL	28°, 100 watts, 3000K	8968	88.8	27	44
LTO-75-28-30-RJ45-80-NL	28°, 75 watts, 3000K	7275	95.8	27	44
LTO-150-36-30-RJ45-80-NL	36°, 150 watts, 3000K	11495	76.2	38	67
LTO-125-36-30-RJ45-80-NL	36°, 125 watts, 3000K	10274	81.3	39	68
LTO-100-36-30-RJ45-80-NL	36°, 100 watts, 3000K	8848	86.7	38	67
LTO-75-36-30-RJ45-80-NL	36°, 75 watts, 3000K	7163	93.8	38	67
LTO-150-54-30-RJ45-80-NL	54°, 150 watts, 3000K	11152	75.0	52	89
LTO-125-54-30-RJ45-80-NL	54°, 125 watts, 3000K	10405	83.6	52	89
LTO-100-54-30-RJ45-80-NL	54°, 100 watts, 3000K	8946	89.6	52	89
LTO-75-54-30-RJ45-80-NL	54°, 75 watts, 3000K	7284	96.9	52	89
LTO-150-70-30-RJ45-80-NL	70°, 150 watts, 3000K	11114	80.6	75	102
LTO-125-70-30-RJ45-80-NL	70°, 125 watts, 3000K	10481	83.5	75	102
LTO-100-70-30-RJ45-80-NL	70°, 100 watts, 3000K	9046	89.4	75	102
LTO-75-70-30-RJ45-80-NL	70°, 75 watts, 3000K	7309	96.5	75	102
LTO-150-A1-30-RJ45-80-NL	Asymmetric, 150 watts, 3000K	11847	82.1	12x40	27x60
LTO-125-A1-30-RJ45-80-NL	Asymmetric, 125 watts, 3000K	10289	83.5	12x40	27x60
LTO-100-A1-30-RJ45-80-NL	Asymmetric, 100 watts, 3000K	8771	85.6	12x40	27x60
LTO-75-A1-30-RJ45-80-NL	Asymmetric, 75 watts, 3000K	6737	91.5	12x40	27x60

Ordering Information

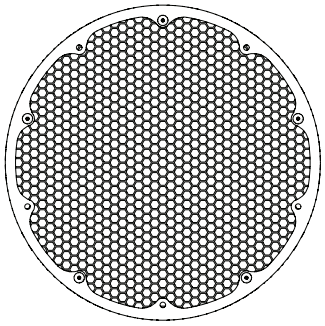
Ordering Code Example: LTO-150-18-30-RJ45-80-HX



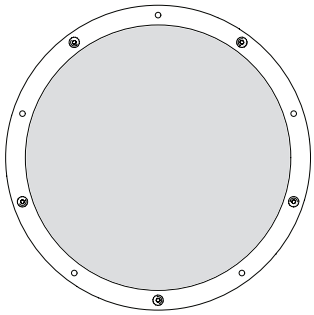
Accessories



Concentric Ring Louvre
16% Lumen Reduction



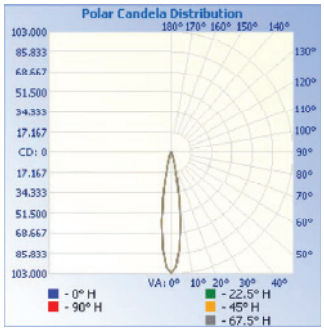
Hexcel Louvre
19% Lumen Reduction

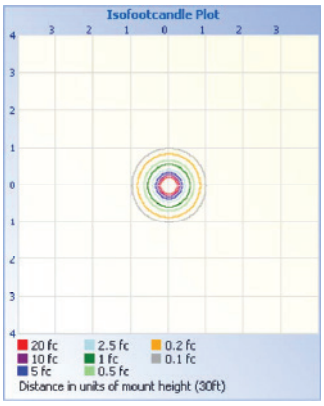


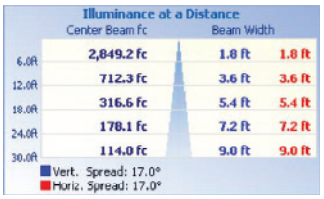
Homogenizing Lens
22% Lumen Reduction

Photometrics

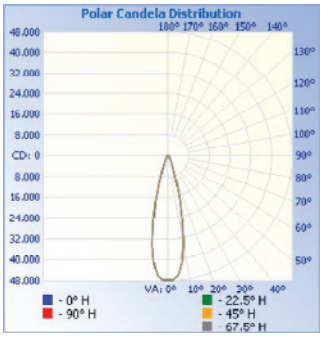
Filename: LTO-150-18-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto -18 Degree Beamspread -150 Watts-3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11949.3
Max Candela: 102,570.9 at Horizontal: 0°, Vertical: 0°
Input Wattage: 157.2
Luminous Opening: Circular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

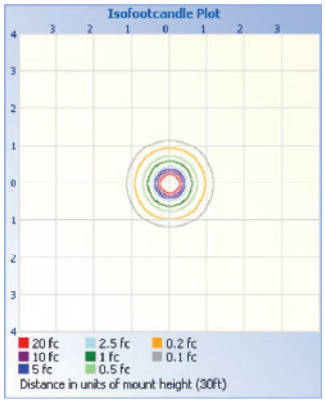


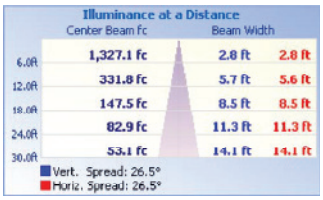




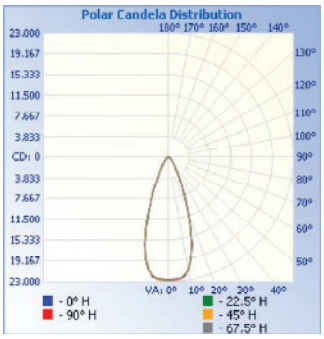
Filename: LTO-150-28-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto -28 Degree Beamspread -150 Watts-3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11759.4
Max Candela: 47,775.2 at Horizontal: 0°, Vertical: 0°
Input Wattage: 151.1
Luminous Opening: Circular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

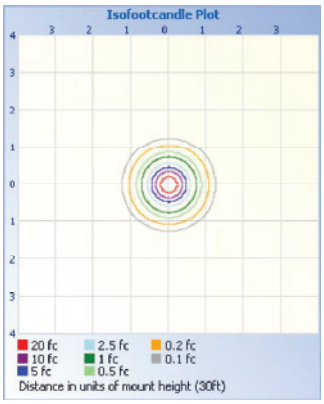


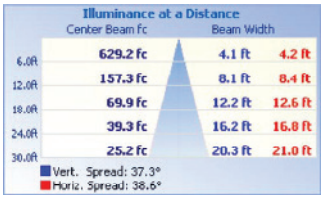




Filename: LTO-150-36-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto -36 Degree Beamspread -150 Watts-3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11495
Max Candela: 22,725.2 at Horizontal: 45°, Vertical: 2.5° Input Wattage:150.9
Luminous Opening: Circular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

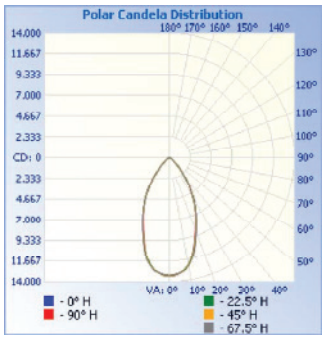


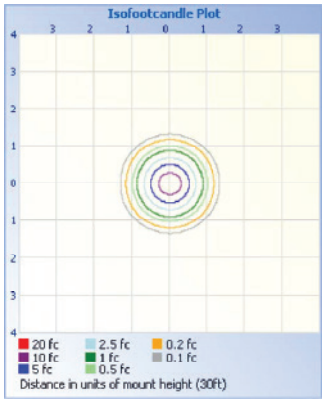


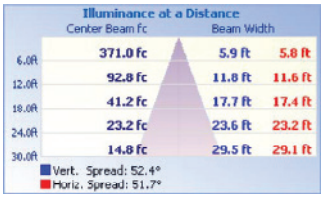


Photometrics (continued)

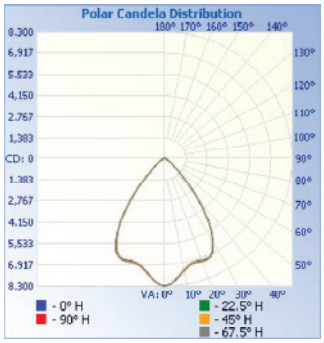
Filename: LTO-150-54-30-RJ45-80-NL_rep
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 54 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11152.2
Max Candela: 13,357.6 at Horizontal: 0°, Vertical: 0°
Input Wattage: 148.7
Luminous Opening: Circular (Dia: 9.48”)
Test Lab: Intertek
Photometry: Type C
CIE Class: DirectCutoff
Class: Full Cutoff
Nema Type: 5 X 5

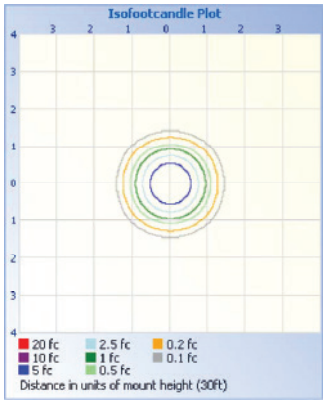


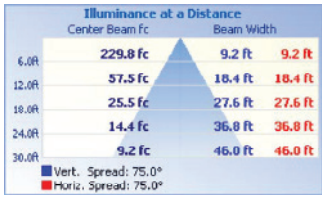




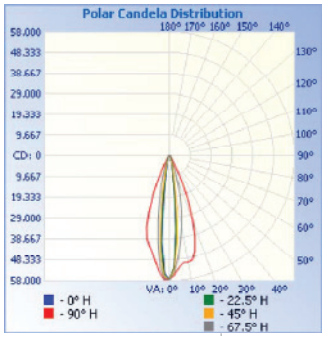
Filename: LTO-150-70-30-RJ45-80-NL
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 70 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11114
Max Candela: 8,273.6 at Horizontal: 0°, Vertical: 0°
Input Wattage: 137.9
Luminous Opening: Circular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

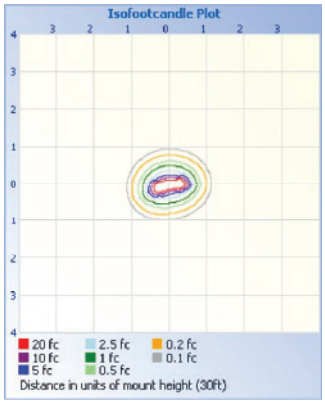


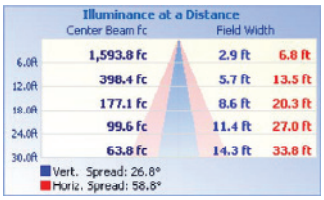




Filename: LTO-150-27x60-30-RJ45-80-NL_rep
Luminaire: Stage Light
Luminaire Cat: Model: Lieto - 27x60 Degree Beamspread - 150 Watts - 3000K White Light
Lamp: LED
Lamp Output: 1 lamp, total luminaire Lumens: 11846.7
Max Candela: 57,376.7 at Horizontal: 0°, Vertical: 0°
Input Wattage: 144.3
Luminous Opening: Circular (Dia: 9.48”)
Test Lab: Intertek
Photometry : Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 4 X 2







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