Lightruss LED Gen 2 - Upgrade

LRU12362 34.10 in

JOB NAME:

TYPE:

NOTES:

DESCRIPTION

Upgrade your existing Lightruss size 2 system to state-of-the-art integrated LED technology. We've made it simple by designing these new fixture heads that work with your current truss and wiring. The new high efficiency LED luminaires deliver 127 lumens per watt, providing you with significant energy savings over the 1000W metal halide system. Dramatically improve the quality of light in your facility, eliminate lamp schedule change schedules, and minimize maintenance with this professional-grade solution. For a complimentary lighting layout, contact our applications team at SPIteam@spilighting.com.

FEATURES & BENEFITS

- Save 40% or more in energy costs

- One-for-one fixture replacement fits into your existing system layout and maintains the current light distribution

- Reuses the existing truss and wiring

- Substantially improve light quality and color consistency

- Turn lights on and off – instantly

- Eliminate the cost, labor, and risks associated with multiple relamping cycles

- Vastly superior solution to retrofit lamps

- Glare-free with full horizontal cutoff

- True asymmetric optics with a deep forward throw

- Specially designed to operate in high ambient temperature environments

- Innovative pin-fin aluminum heat-sink keeps LEDs cool, lengthening the life of the system

- LED modules and power supplies are integrated into a quick-change LED engine

- DC surge suppression included (with NAT option) to increase the protection against minor surge events

- Compatible with Lightruss Size 2 metal halide systems

- Tried and tested, the Lightruss family has been installed in more than 1,200 facilities
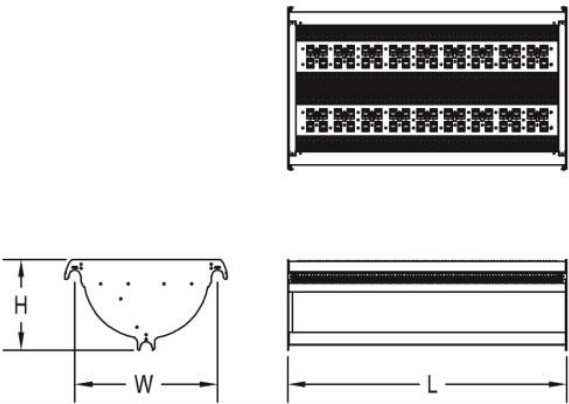
- Handcrafted in USA

Note: This spec sheet is for the fixture head only.

SPECIFICATIONS:

- **LIGHT SOURCE:** White LED light engine with gasketed and sealed LEDs
- **DISTRIBUTION:** Indirect; contact factory to discuss direct options
- **LUMEN MAINTENANCE:** L90 = >72,000 Hrs. at 45° ambient temperature
- **EFFICACY:** Up to 127 lm/W delivered
- **CCT:** 2700K, 3000K, 3500K, 4000K, 5000K standard
- **VOLTAGE:** 120-277V standard; contact factory for 347-480V systems
- **CRI:** 80+ or 90+
- **DRIVER:** Fully potted integral Class 2 power supply standard
- **MAX AMBIENT OPERATING TEMP:** 45°C (113°F); contact factory for higher ambient temp applications
- **DIMMING:** Optional 5% and 1% minimum dim levels available
- **CONTROLS:** Standard without controls. 0-10V, Lutron Athena, and nLight AIR optional. Contact factory for other controls (e.g., Current NX, Enlighted, Encelium, Wattstopper, WaveLinx, or Casambi).
- **INTEGRATED SURGE PROTECTION:** LED components are protected against minor surge events
- **CONSTRUCTION:** Aluminum housing; extruded aluminum rails; precision molded acrylic optics
- **FINISH:** All components finished to match, except for the heat sink which is always painted Satin Aluminum (PT50). Choose from 26 standard thermoset polyester powder coat paint colors. RAL®, Pantone®, or custom finishes available upon request.
- **MODIFICATIONS:** Consult factory for all modification requests, including the triangle truss
- **APPROVALS:** ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS

W	H	L
18 in	11.1 in	34.1 in
45.7 cm	28.2 cm	86.6 cm

Mounting Weight
Approximate: 60 lb (28 kg)

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/LRU12362. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	CRI*	Controls*	Optical Distribution*	Options
LRU12362								
	A	B		C	D	E	F	G

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. Alternate wattages available upon request.

☐ **L649W |** White 649W LED Light Engine | Delivered Lumens: 82,293

See last page for finish options

B - VOLTAGE *

☐ **120-277V |** Universal Voltage

C - LAMP OPTIONS *

Apply multiplier from chart for delivered lumens at other CCT's and CRI's.

☐ **2700K |** 2700K CCT
☐ **3000K |** 3000K CCT
☐ **3500K |** 3500K CCT
☐ **4000K |** 4000K CCT
☐ **5000K |** 5000K CCT

	80 CRI	90 CRI
2700K	n/a	0.67
3000K	0.93	0.74
3500K	0.93	0.74
4000K	1.00	0.74
5000K	1.00	n/a

D - CRI *

☐ **DF_80** [1] **|** (default)
☐ **90** [2]

[1] Not available in 2700K

[2] Not available in 5000K
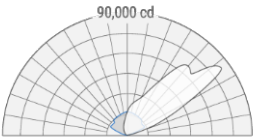
E - CONTROLS *

Extended lead times may apply for controls other than 0-10V. Contact factory for additional control options such as Current NX, Enlighted, Encelium, Wattstopper, WaveLinx, Casambi, or others.

☐ **DF_NONE |** No Controls (default)
☐ **DIM1 |** 0-10V Control, 1% Dimming
☐ **DIM5 |** 0-10V Control, 5% Dimming
☐ **AWNR** [3] **|** Lutron Athena Wireless Node, 1% Dimming
☐ **NLTA** [3] **|** Acuity nLight Air, 1% Dimming

[3] Not recommended for natatorium environments without additional component protection. Contact factory for options.

F - OPTICAL DISTRIBUTION *

☐ **DF_DA |** Deep Asymmetric (default)

DA

G - OPTIONS

When the NAT option is selected, you can feel confident that the luminaire specified is designed with high-quality materials that will withstand the corrosive environment of indoor pools. Electrical components are protected from moisture and the fixture has been tested to operate in warm ambient temperatures.

☐ **NAT |** Natatorium Construction
☐ **F |** Fusing

Standard Finishes

The colors shown are representative. Their actual appearance may vary due to differences in display settings. You can request color chips by emailing contact@spilighting.com. Please note, finishes may not be available in all configurations.

Paint Colors

PT01 RAL9003 Signal White (Gloss)	**PT51** Matte White (Textured)	**PT02** White (Textured)	**PT04** RAL9001 Cream (Textured)	**PT67** RAL7044 Silk Grey (Textured)
PT53 RAL7035 Light Grey (Textured)	**PT54** RAL7037 Dusty Grey (Textured)	**PT55** RAL7012 Basalt Grey (Textured)	**PT56** RAL7016 Anthracite Grey (Textured)	**PT11** Black (Textured)
PT57 RAL1015 Light Ivory (Textured)	**PT58** RAL8004 Copper Brown (Textured)	**PT59** RAL6021 Pale Green (Textured)	**PT60** RAL1019 Grey Beige (Textured)	**PT61** RAL7006 Beige Grey (Textured)
PT62 RAL1003 Signal Yellow (Textured)	**PT63** RAL3001 Signal Red (Textured)	**PT64** RAL6001 Emerald Green (Textured)	**PT65** RAL5005 Signal Blue (Textured)	**PT66** RAL5003 Sapphire Blue (Textured)

Metallic Paint Colors

PT22 Platinum (Metallic Gloss)	**PT48** Brass (Metallic Textured)	**PT28** Dark Stainless (Metallic Gloss)	**PT49** Bronze (Metallic Textured)	**PT32** Dark Bronze (Metallic Gloss)
PT46 Aluminum (Metallic Textured)				

Specialty Finishes

More RAL®, Pantone®, and custom finishes are available upon request. Setup fee and additional lead time applies.Call factory for details.