INACTIVE SPEC SHEET

Lightruss LED Gen 2 - New Construction

LRU12242 24.00 in

SPI LIGHTING

PROJECT DETAILS

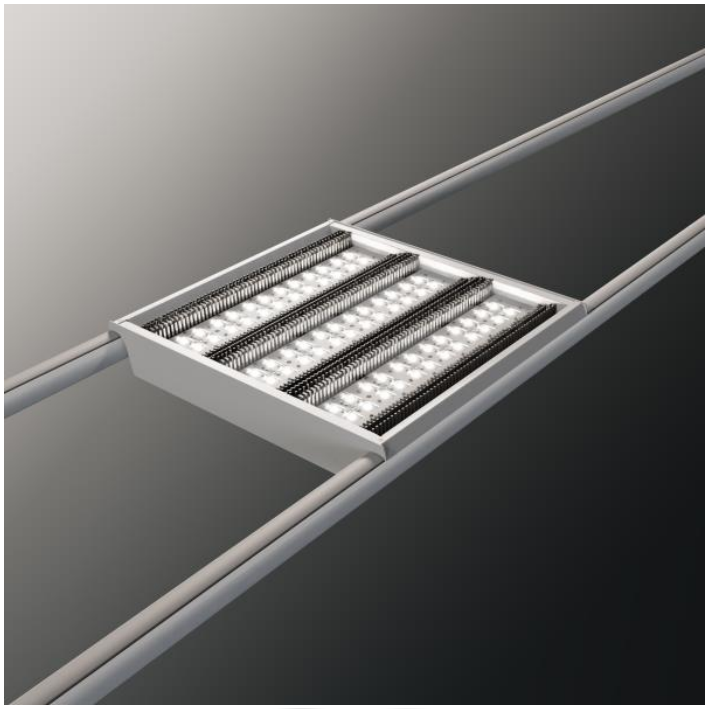
JOB NAME:

TYPE:

NOTES:

DESCRIPTION

This is the sophisticated answer for large spaces that require multiple high output indirect fixtures, such as natatoriums and athletic facilities. Lightruss LED Gen 2 delivers a unified, organized system of asymmetric light and eliminates most all vertical power drops and fixture stem canopy arrays. The state-of-the-art, two-rail truss delivers power. It discreetly nests each high-performance fixture head, eliminating direct glare and improving comfort and visibility. Inside the luminaires, next generation LED technology delivers high lumen density at 127 lm/W. The system is capable of achieving high footcandle requirements, even for televised broadcasts. Available in 54,900, 82,300, and 109,800 lumen packages, Lightruss LED Gen 2 will help you light more with less fixtures. For a complimentary lighting layout, contact our applications team at SPIteam@spilighting.com.



NAT WC

FEATURES & BENEFITS

- The best way to light natatoriums
- True asymmetric optics with a deep forward throw
- Glare-free with full horizontal cutoff
- Slim, streamlined design that blends into architecture
- The cleanest visual package
- The only solution designed with a truss-type assembly and through wiring that saves money on installation by sharply reducing the number of power drop and conduit required
- Run up to 12 circuits through the rails (contact factory to discuss optional emergency or dimming)
- DC surge suppression included (with NAT option) to increase the protection against minor surge events
- Fully engineered for natatoriums, Lightruss LED Gen 2 is designed to deliver many years of reliability. It features all-aluminum construction; durable polyester powder coat paint finish (including fasteners in critical applications); fully potted power supplies; gasketed and fully sealed LED modules; and fail-safe, corrosion resistant hanging mechanisms.
- Specially designed to operate in high ambient temperature environments
- Innovative pin-fin aluminum heat-sink keeps LEDs cool, lengthening the life of the system

- Lights from the perimeter, eliminating fixtures over pools
- Fixture heads are easily accessed and can be removed, moved, and added after installation without disassembly of the entire system
- LED modules and power supplies are integrated into a quick-change LED engine
- Turn lights on and off – instantly
- System can be designed to turn corners and change elevation to follow the contours of the space
- Easy to specify – our experienced applications team fully designs a system specific for your application and provides the documentation needed to design, bid, and install
- Save 60% or more in energy costs when replacing an indirect Metal Halide (MH) system
- Tried and tested, the Lightruss family has been installed in more than 1,200 facilities
- Handcrafted in USA

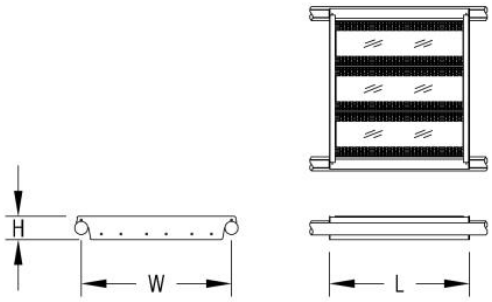
Note: This spec sheet is for the fixture head only. Each fixture attaches to a dual rail truss system with self-supporting geometry. The dual rail truss system is supported by fabricated bulkheads which mount by either corrosion-resistant nickel alloy aircraft cables or stem. Contact factory for a full system layout.

SPECIFICATIONS:

- **LIGHT SOURCE:** White LED light engine with gasketed and sealed LEDs
- **DISTRIBUTION:** Indirect
- **LUMEN MAINTENANCE:** L90 = >72,000 Hrs. at 45° ambient temperature
- **EFFICACY:** Up to 127 lm/W delivered
- **CCT:** 3000K, 3500K, or 4000K standard
- **VOLTAGE:** 120-277V standard
- **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.
- **APPROVALS:** ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS



W	H	L
25.7 in 65.3 cm	4 in 10.2 cm	24 in 61 cm

Mounting Weight
Approximate: 60 lb (28 kg)

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/LRU12242. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	Controls*	Optical Distribution*	Options
LRU12242							
	A		B	C	D	E	F

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

See last page for finish options

B - VOLTAGE *

☐ 120-277V | Universal Voltage

C - LAMP OPTIONS *

Delivered lumens shown are at 3500K and 4000K CCT; apply multiplier for delivered lumens at other CCT. Contact factory for alternate color temperatures.

- ☐ 3000K [1] | 3000K CCT
- ☐ 3500K | 3500K CCT
- ☐ 4000K | 4000K CCT

[1] Apply .93 multiplier for delivered lumens

D - CONTROLS *

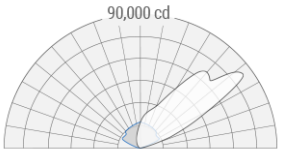
Extended lead times may apply for controls other than 0-10V. Contact factory for additional control options such as Current NX, Enlighted, Encelium, Wattstopper, WaveLinx, Casambi, or others.

- ☐ DF_NONE | No Controls (default)
- ☐ AWNR [2] | Lutron Athena Wireless Node, 1% Dimming
- ☐ NLTA [2] | Acuity nLight Air, 1% Dimming

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

E - OPTICAL DISTRIBUTION *

- ☐ DF_DA | Deep Asymmetric (default)



DA

F - OPTIONS

- ☐ NAT | Natatorium Construction

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.