Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Selectable Cylinder Track Head (STRH)

Field-Selectable LED Track Light Fixture



OVERVIEW	
Lumen Package (lm)	2,000
Wattage (W)	19
Efficacy Range (LPW)	88 -109
Color Tempurature (K)	2700K-3000K-3500K-4000K-5000K
Fixture Weight lbs (kg)	2 (0.9)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Die-cast aluminum LED housing, heat-sink and swivel joint.
- Polycarbonate J-type electrical adapter with copper conductor.
- Precision directional aiming adjustment. 355° horizontal rotation, 90° vertical rotation.
- Integral ON/OFF switch and track polarity indicator.

Optical System

- Utilizes integrated chip on board (COB) modules.
- Molded TIR optic engineered to provide a smooth uniform beam for maximum output with minimum glare.
- Integrated PWM CCT switch enabling field-selectable color temperuature switching from 2700K to 5000K.
- Minimum color rendering index (CRI) of 90 for high visual acuity.

Electrical

- High-performance driver features overvoltage, undervoltage, short-circuit and over temperature protection.
- 120V AC Input 50/60 Hz
- L70 Calculated Life: >61,000 Hours
- Total harmonic distortion: <20%
- Power factor: >0.9
- Input current 0.20A / 0.1A
- Surge rating: 2.5kV minimum.

Controls

- Leading/Trailing Edge TRIAC Dimming Standard (2 - 100%).
- Compatible with external AirLink Blue (ALB) controls.

Installation

- Quick connect harness to attach fixtures in continuous rows.
- Integral ON/OFF switch and track polarity indicator.
- Alignment guides ensure proper alignment between tracks.

Warranty

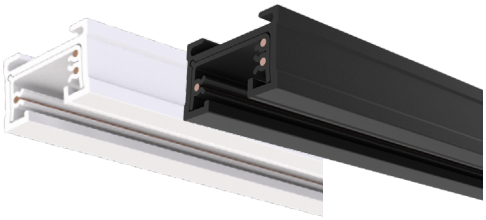
- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsiindustries.com/resources/terms-and-warranty.aspx for more information.

Listings

- ETL/cETLus Listed.
- Suitible for Dry and Damp Locations.
- Complies with Trade Agreements Act (TAA) Requirements.

This Track Luminaire is Compatible with the following LSI Track System:

- Two-Circuit Track System (TR2).



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Selectable Cylinder Track Head (STRH)

Type : _____

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: STRH CS1 WF 120 LVD 90CRI BLK

Prefix	Lumen Package	Beam Angle	Voltage	Driver	CRI	Finish	Options
STRH - Selectable Cylinder Track Head	**CS1** - 2,000lm, 2700-3000-3500-4000-5000K	**NF** - 15° Narrow Flood **FL** - 24° Flood **WF** - 36° Wide Flood **VWF** - 60° Very Wide Flood	**120** - 120V	**LVD** - Line Voltage Dimming TRIAC (Leading/Trailing Edge Down to 2%)	**90CRI** - 90 CRI	**BLK** - Black **WHT** - White	**Blank** - None

Need more information?
Click here for our glossary

Have additional questions?
Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Accessory Type	Description	Order Number	
Glare Reduction	**One-tone Snoot** Black (BLK) or White (WHT) Finish	Black: 891615 White: 925370	
	Two-tone Snoot White Exterior Finish, Black Interior Finish	891616	
	Hex Cell Louver Black Finish	891617	

PERFORMANCE

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15° Narrow Flood **24° Flood** **36° Wide Flood** **60° Very Wide Flood**

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Selectable Cylinder Track Head (STRH)

Type : _____

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Delivered Lumens[4]

Lumen Package	Distribution	CRI	2700K CCT		3000K CCT		3500K CCT		4000K CCT		5000K CCT		Wattage
			Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
STRH CS1	NF (15°)	90	1764	93	1825	96	1901	100	2032	106	2068	109	19
	FL (24°)		1718	91	1777	94	1851	98	1979	103	2014	106	
	WF (36°)		1751	92	1811	95	1887	99	2017	105	2053	108	
	VWF (60°)		1667	88	1724	91	1796	95	1920	100	1954	103	

Distribution Proration[5]

NF (15°)	1.03
FL (24°)	1.00
WF (36°)	1.02
VWF (60°)	0.97

Electrical Data - Current Draw AMPS*

Lumen Package	Wattage	120V
STRH CS1	19	0.16

Recommended Lumen Maintenance[1]

Ambient Temperature	Initial[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[3]	100K hrs.[3]
0 C	100%	98%	95%	93%	91%
10 C	100%	98%	95%	93%	91%
20 C	100%	97%	94%	92%	90%
25 C	100%	96%	94%	91%	89%
30 C	100%	96%	93%	90%	88%
35 C	100%	96%	92%	89%	86%

CCT Proration

2700K	0.87
3000K	0.90
3500K	0.94
4000K	1.00
5000K	1.02

Color Rendering - STRH CS1 FL 120 LVD 90CRI

Nominal CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Ra
2700K	95	99	97	94	96	96	89	80	58	98	97	87	96	99	89	93
3000K	96	99	97	95	97	96	90	83	64	99	97	85	97	99	92	94
3500K	96	99	98	95	96	96	92	86	69	98	97	81	98	100	93	95
4000K	96	99	98	94	95	96	93	86	69	96	95	76	97	100	93	95
5000K	92	97	98	90	91	94	92	84	61	91	91	68	94	99	89	92

*This report is based on published industry procedures. Field performance may differ from laboratory performance.

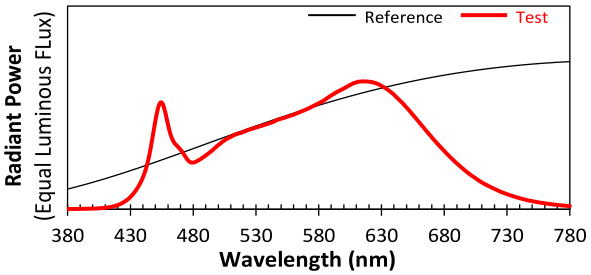
1 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.
4 LED Chips are frequently updated therefore values are nominal
5 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

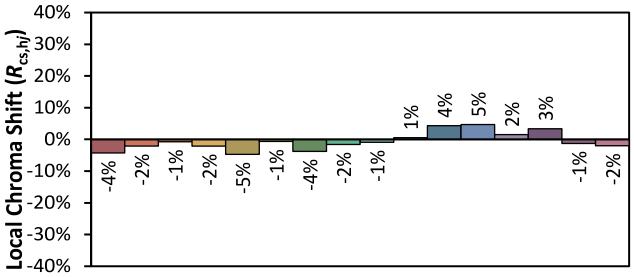
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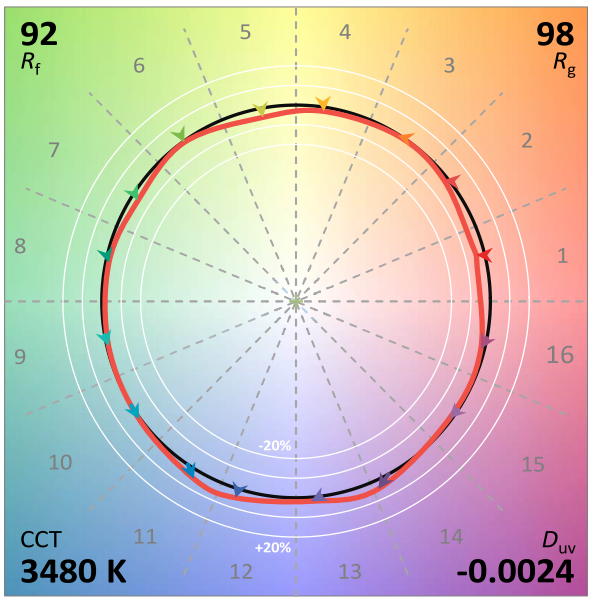
PERFORMANCE

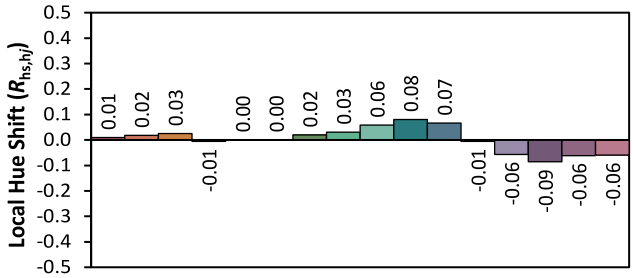
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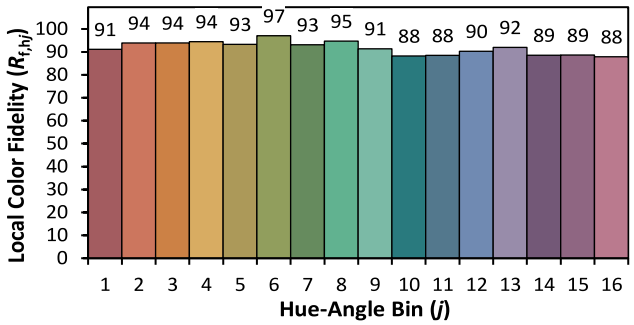
TM-30 DATA FOR 3500K

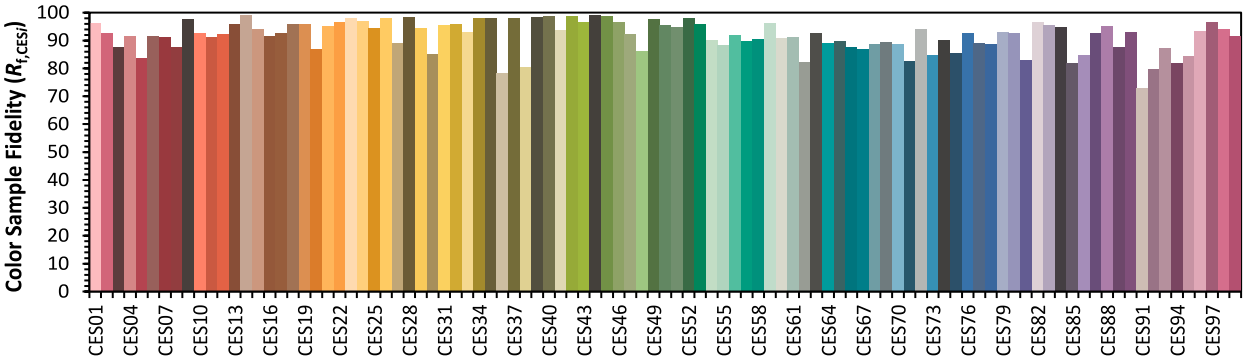












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Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

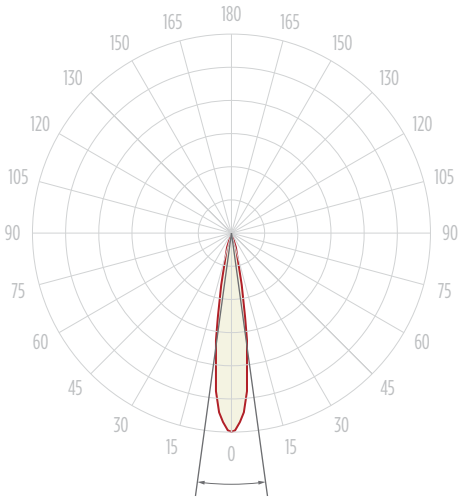
STRH-CS1-NF-120-LVD-40K

Lumens: 2,032

Watts: 19

Max Candela: 9,485 at Horizontal: 0°, Vertical: 2.5°

ZONAL LUMEN SUMMARY		
Zone	**Lumens**	**%Fixture**
0-20	1592.23	78.4
0-30	1880.45	92.5
0-40	1973.69	97.1
0-60	2029.32	99.9
0-80	2031.99	100.0
0-90	2031.99	100.0
10-90	1255.00	61.8
20-40	381.46	18.8
20-50	420.38	20.7
40-70	58.30	2.9
60-80	2.67	0.1
70-80	0.00	0.0
80-90	0.00	0.0
0-180	2031.99	100.0



Beam Angle: 15°

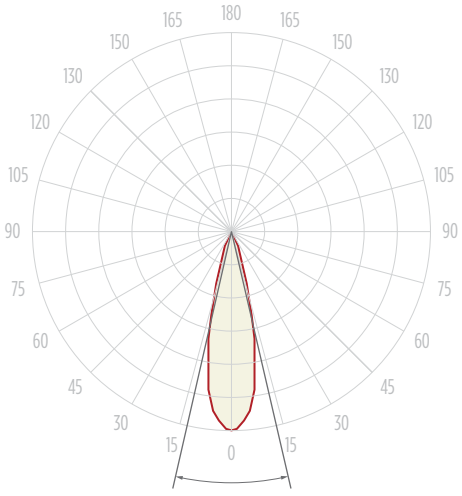
STRH-CS1-FL-120-LVD-40K

Lumens: 1,979

Watts: 19

Max Candela: 7,345 at Horizontal: 90°, Vertical: 2.5°

ZONAL LUMEN SUMMARY		
Zone	**Lumens**	**%Fixture**
0-20	1496.3	75.6
0-30	1800.55	91
0-40	1900.85	96
0-60	1971.52	99.6
0-80	1979.08	100
0-90	1979.1	100
10-90	1411.89	71.3
20-40	404.55	20.4
20-50	451.26	22.8
40-70	77.74	3.9
60-80	7.56	0.4
70-80	0.49	0
80-90	0.02	0
0-180	1979.1	100



Beam Angle: 24°

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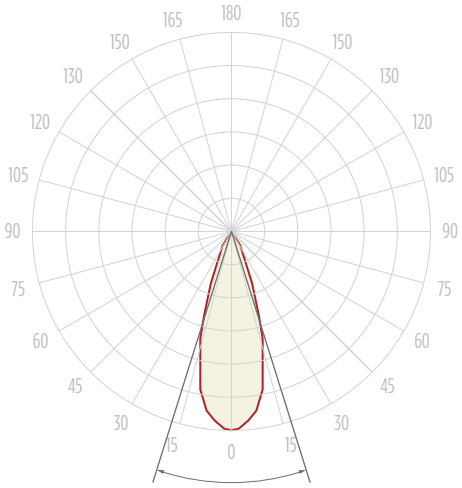
STRH-CS1-WF-120-LVD-40K

Lumens: 2,017

Watts: 19

Max Candela: 4,231 at Horizontal: 45°, Vertical: 2.5°

ZONAL LUMEN SUMMARY		
Zone	**Lumens**	**%Fixture**
0-20	1249.41	61.9
0-30	1839.77	91.2
0-40	1949.34	96.6
0-60	2010.64	99.7
0-80	2017.25	100.0
0-90	2017.25	100.0
10-90	1628.81	80.7
20-40	699.92	34.7
20-50	740.08	36.7
40-70	67.12	3.3
60-80	6.61	0.3
70-80	0.79	0.0
80-90	0.00	0.0
0-180	2017.25	100.0



Beam Angle: 36°

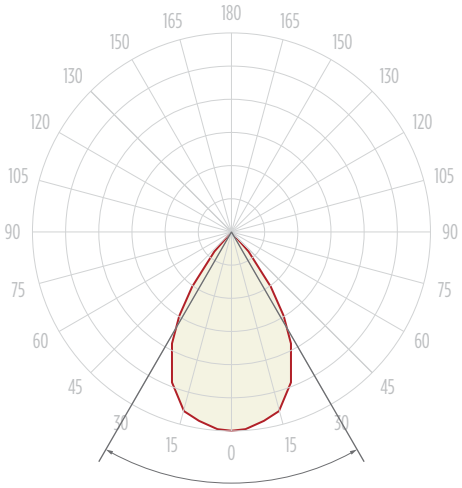
STRH-CS1-VWF-120-LVD-40K

Lumens: 1,920

Watts: 19

Max Candela: 2,168 at Horizontal: 45°, Vertical: 2.5°

ZONAL LUMEN SUMMARY		
Zone	**Lumens**	**%Fixture**
0-20	742.81	38.7
0-30	1382.23	72.0
0-40	1794.68	93.5
0-60	1911.34	99.5
0-80	1919.98	100.0
0-90	1920.08	100.0
10-90	1716.11	89.4
20-40	1051.87	54.8
20-50	1141.68	59.5
40-70	124.14	6.5
60-80	8.64	0.4
70-80	1.15	0.1
80-90	0.10	0.0
0-180	1920.08	100.0



Beam Angle: 60°

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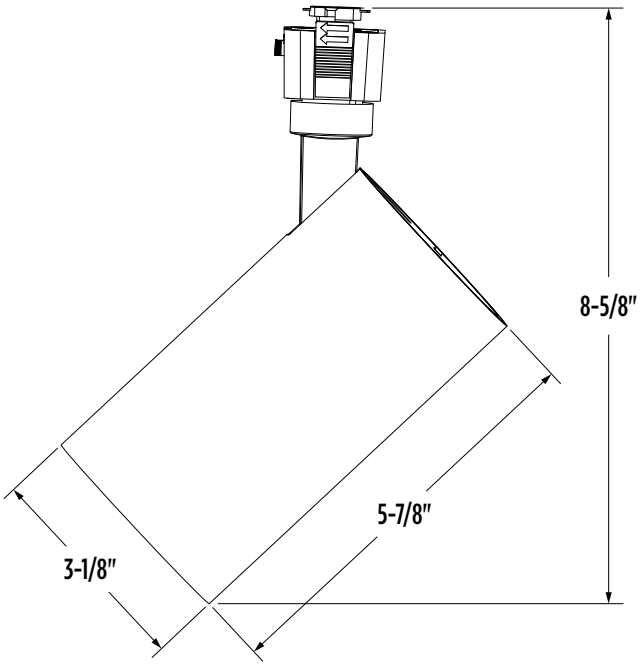
Selectable Cylinder Track Head (STRH)

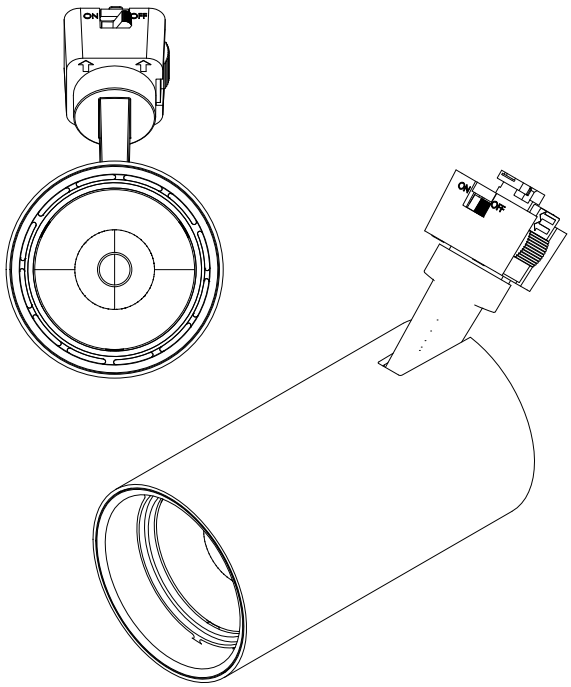
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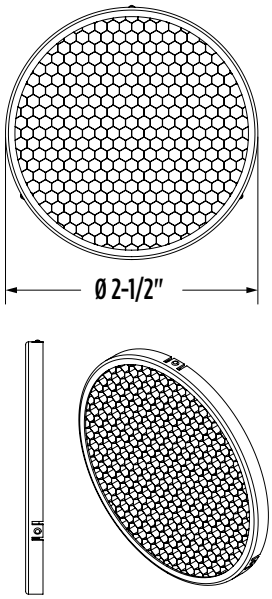
PRODUCT DIMENSIONS

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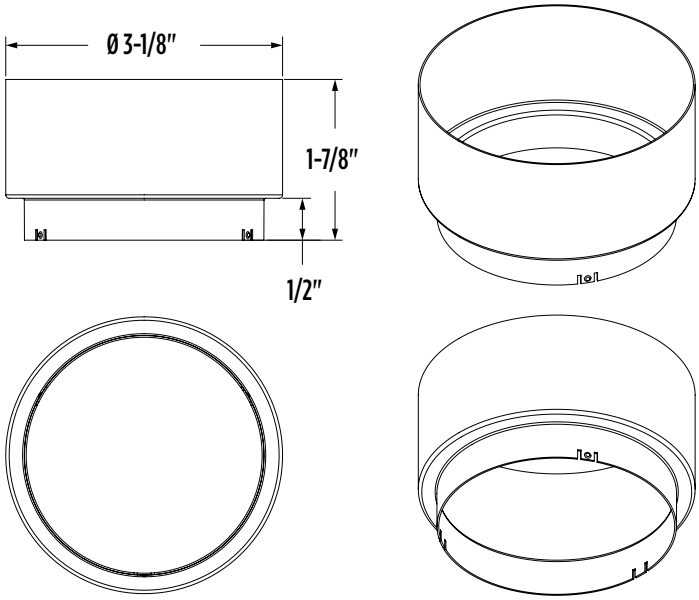




Hex Cell Louver



One & Two-tone Snoot



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