

LSQ

LED Direct Linear

Product Description

A single-piece diffuser gives the Oberon Architectural LED Direct Linear its clean, modern appearance. A clear, satin finish on its one-piece extruded aluminum housing and solid endcaps complete the seamless design. The Oberon provides wide light distribution with a highly reflective optical chamber and diffused lens, making it ideal for commercial, retail, educational, or healthcare applications where individual units or continuous runs are desired. The luminaire is capable of quick surface or pendant mount installation using an integral mounting rail and slide-in clips. Pendant mount or aircraft cable mount kits are optional add-ons. Oberon is available in 4-foot or 8-foot lengths in either integral or remote driver configurations. White or custom powder coat options are also available.

Construction

- One piece extruded aluminum housing with solid endcaps
- Offered in 4' and 8' lengths
- Designed for individual units or continuous runs

Optical System

- Highly reflective optical chamber and diffused polycarbonate lens provide wide light distribution
- Single-piece diffuser for a seamless appearance

Electrical

- Available in Driver Integrated and Remote Power System configurations
- Remote Power fixture provided with 2 1/8" connector ports
- Efficiency greater than 130 lumens per watt
- Universal Input of 120-277V, designed for through wiring.
- Driver delivers full range dimming via 0-10VDC
- Operating Temperature of 32° to 122°F (0°C to 50°C)
- 10kA Surge suppression standard on integral version
- Optional Emergency battery backup
- For installations where higher power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Mounting

- Integral mounting-rail design provides for quick installation
- Wall mount bracket standard
- Optional cable suspension kit
- Optional pendant mount kit
- Optional surface mount kit
- Optional recessed mount kit

Finish

- Satin Clear finish standard
- Available in White or Custom color power coat options*

Lumen Maintenance

- TM-21 Calculated L70(12K) hours = 113,000
- TM-21 Reported L70(12K) hours >72,000
- TM-21 Calculated L90(12K) hours = 38,000

Warranty

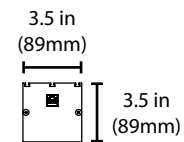
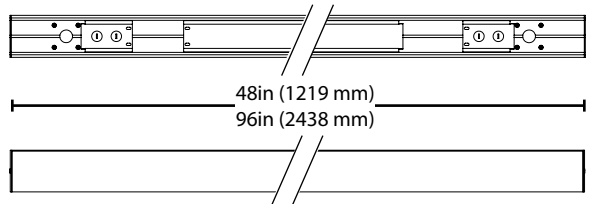
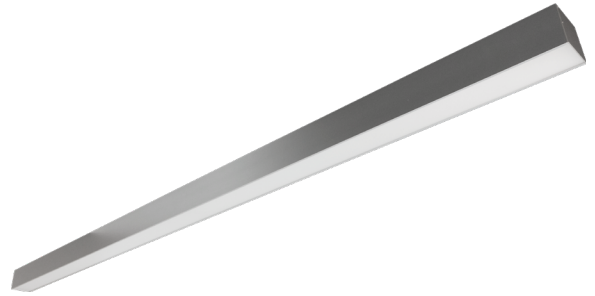
- 5 year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

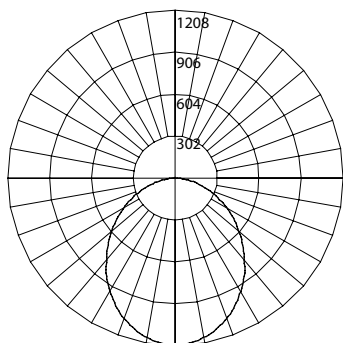
Date



Photometric Data

LSQ 3500K

Input Voltage (VAC)	120-277
System Level Power (W)	25.9
Delivered Lumens (Lm)	4029
System Efficacy (Lm/W)	155.6
Correlated Color Temp (K)	3414
Color Rendering Index (CRI)	83
Beam Angle (0°)	103.6°
Beam Angle (90°)	100.3°
Spacing Criteria (0°)	1.20
Spacing Criteria (90°)	1.18



Intensity Summary (Candle Power)

Angle	0° Along	90° Across
0	1208	1208
5	1201	1203
15	1135	1148
25	1019	1047
35	864	905
45	692	740
55	517	560
65	343	376
75	181	202
85	46	55
90	0	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	75.5	10.4
6	33.6	15.7
8	18.9	20.9
10	12.1	26.1
12	7.3	31.2
14	3.6	36.5
16	2.1	41.7

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1180	29.3%
0-40	1898	47.1%
0-60	3239	80.4%
0-90	4029	100.0%
90-180	0	0.0%
0-180	4029	100.0%

Remote Driver Scalar

LSQ-1-#-U-#-W	0.989
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Length Multiplier

8 Foot	1.980
4 Foot HO	1.980

CCT Data Multiplier

LSQ-1-4-U-40	0.998
LSQ-1-4-U-50	0.996

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Integral Performance Data

Model Number	Lumens	Watts	Lumens/Watt
LSQ-1-4-U-35	4029	25.9	155.6
LSQ-1-4H-U-35	6619	51.1	129.5
LSQ-1-4-U-40	4021	25.9	155.3
LSQ-1-4H-U-40	6603	51.1	129.2
LSQ-1-4-U-50	4013	25.9	154.9
LSQ-1-4H-U-50	6539	51.1	128.9
LSQ-1-8-U-35	6619	51.1	129.5
LSQ-1-8-U-40	6603	51.1	129.2
LSQ-1-8-U-50	6539	51.1	128.9

Remote Performance Data

Model Number	Lumens	Watts	Lumens/Watt
LSQ-1-4-U-35	4206	Wattage based on LCU performance	Greater Than 130Lm/W
LSQ-1-4-U-40	4196		
LSQ-1-4-U-50	4187		
LSQ-1-8-U-35	6546	Wattage based on LCU performance	Greater Than 130Lm/W
LSQ-1-8-U-40	6530		
LSQ-1-8-U-50	6517		

Recommended Dimmers*

- Lutron NTSTV
- Lutron DVSTV
- Cooper SF10P

*Not a complete list. Check compatibility before installation.

Ordering Information

Example: LSQ-1-4-U-40-S-W-W

Series	Ver.	Length (ft)	Input Voltage	CCT	Finish Color	Driver Configuration	Mounting	Distribution	Emergency
LSQ	1	4	U (120-277)	35 (3500K)	S (Satin Clear)	I (Integral)	W (Wall Mount)	Blank (100% Down)	Blank (none)
		4H (high output)		40 (4000K)	W (White)	W (Remote, 18/2)*	P (Pendant)	A (Asymmetric)	EM
		8		50 (5000 K)	C (Custom)*		S (Surface)	D (With Indirect)	
							C (Cable)		

Specifications and dimensions subject to change without notice

*Custom colors available with 100pc MOQ. Contact NICOR for more details.

**Remote configuration requires installation of the Remote Power System LCU2UNV54LSQ#W

Accessories

Accessories sold separately

LCU REMOTE POWER SYSTEM FOR LSQ4	LCU2UNV54LSQ4W
LCU REMOTE POWER SYSTEM FOR LSQ8	LCU2UNV54LSQ8W
LSA, LSE, LSQ PENDANT MOUNT NON POWER FEED, 48" LENGTH	LSALSESQ1PENDANT
LSA, LSE, LSQ PENDANT MOUNT POWER FEED, 48" LENGTH	LSALSESQ1PENDANTPF
LSA, LSE, LSQ REMOTE PENDANT MOUNT POWER FEED, 48" LENGTH	LSALSESQ1PENDANTRPF
LSQ WALL MOUNT BRACKET	LSQ-1-WALL
LSE, LSQ WALL MOUNT KIT POWER FEED	LSELSQ-1-WALL-PF
LSQ AIRCRAFT CABLE KIT NON POWER FEED, 150" LENGTH	LSQ-1-CABLE
LSQ AIRCRAFT CABLE KIT POWER FEED, 150" LENGTH	LSQ-1-CABLE-PF
LSQ SURFACE/CEILING MOUNT BRACKET	LSQ-1-SURFACE
LSQ CONTINUOUS RUN BRACKET	LSQ-1-CR-BRACKET
LSQ ENDCAP W/KNOCKOUT & EVA	LSQ-1-ENDCAPKIT**
LSQ REMOTE AIRCRAFT CABLE KIT POWER FEED, 150" LENGTH	LSQ-1-CABLE-R-PF

**Endcap Kit is required for continuous run installations.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.