

LSC28F Select

Selectable CCT & Output LED Foldable Linear Strip

Product Description

The LSC2 Select LED Linear Strip builds on our trusted linear strip platform with expanded versatility and performance. This 8-ft fixture features a foldable design that reduces to a compact 4-ft length, simplifying shipping, handling, and installation while maintaining full-length illumination when deployed. Designed for flexibility in the field, the LSC2 Select offers three selectable wattage levels (60W/70W/80W) and five selectable color temperatures (3000K/4000K/5000K/5700K/6500K), allowing installers to easily customize light output and color to suit the application. The fixture is easy to surface mount on ceilings or walls and supports continuous row installations for seamless lighting layouts. A semi-circular, milky-white lens provides a clean, modern appearance while evenly diffusing light to eliminate hotspots. Engineered as an economical and energy-efficient alternative to single-lamp fluorescent strips and select wraparound fixtures, the LSC2 Select also offers an optional microwave occupancy sensor to further enhance energy savings. With reliable performance, long life, and a slim profile, the LSC2 Select is ideal for general ambient lighting in retail spaces, warehouses, residential utility areas, and light commercial or industrial environments.

Construction

- Durable 20 gauge steel construction
- Folding body with hinged joint and locking plate
- Smooth formed sides for safe handling
- Similar form factor to single lamp fluorescent strip
- Lens/Array module for easier installation and ingress protection

Optical System

- Semi-circular, diffuser eliminates hotspots and pixelation
- Lens design provides 12% uplight
- Push button lens retention method securely holds diffuser in ceiling or wall mount
- CCT selectable at 3000K, 4000K, 5000K, 5700K, or 6500K
- 80 CRI for good color definition in public places

Electrical

- Input voltage of 120-277VAC
- Dim-to-off dimming via 0-10VDC controls - Continuous dimming to 10% or below.
- Sensor-Ready feature with 12V accessory output behind lens.
- Through wiring capable for continuous runs
- CCT and Wattage selector switches accessible on side of fixture
- Emergency backup available
- Power factor > 0.9
- THD < 20%
- Operating temperature rating of -4°F to 122°F (-20°C to 50°C)

Controls

- Pre-installed sensor socket (3.5mm) at end of lens
- Sensor cover of translucent material to match lens
- Compatible 3.5mm pin microwave motion, occupancy, daylight sensor available.
- Microwave Motion Sensor option available to install behind lens
- NLC compatible Microwave motion, LLLC, High End Trim, Bluetooth sensor option available
- Microwave and NLC motion sensors install behind lens for seamless appearance

Mounting and installation

- Easy surface mount installation on ceilings or walls
- Quick release buttons for light chamber removal
- Safety-strap retained light chamber allows single person installation
- Multiple knockouts provided for wiring from back, sides or ends
- Features provided for surface, cable, or hook and chain mounting
- Cover plates provided for 4/O box surface installation
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Listings

- cULus 1598 Listed for damp locations
- DLC 6.0 Premium listed for ambient linear applications
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(9k) life >63,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Warranty

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

Project

Catalog

Type

Date



LSCsv2
LED Foldable Linear Strip
8 foot length
Selectable Wattage & CCT



NICOR[®]

LSC28F Select

Selectable CCT & Output LED Foldable Linear Strip

Ordering

Ordering Information								Example: LSC28F80SUS8	
Series	Version	Size	Wattage	Voltage	CCT	CRI	Motion Sensor	Emergency	
LSC	2	8F (8' Foldable)	80S (60/70/80W)	U (120-277V)	S (30/40/50/57/65K)	8 (80+)	(Blank)	(Blank)	
							M (Microwave)	E (9W)	
							N (NLC Microwave)		

Specifications and dimensions subject to change without notice.

Accessories *Accessories sold separately*

Continuous Run Bracket	LSC2CRBRACKET1WH
Microwave Sensor 3.5mm	LSC28FSENSOR
Snap-in Microwave Motion Sensor Kit	SENSORKITMW1WH
Remote Control for Snap In Sensor	SNAPINMWREMOTE
NLC Microwave Motion Sensor	SENSORMWBT1KIT
Aircraft Cable Mounting Kit	HB-LG-120-18Y-PAD

* Sensors require SENSORHARNESS for installation*

Recommended Dimmers*

Lutron NTSTV-DV-WH
 Lutron DVSTV
 Cooper SF10P
 Legrand RH4FBL3PW

*Not a complete list. Check compatibility before installation.

Performance Data

Performance Data						EM Pack Performance Data	
Model	Output Setting	Nominal CCT	Lumens	Max Watts	Efficiency	E2 Lumens	E3 Lumens
LSC28F80S	Standard	3000	8222	58.70	140.01	1119	2518
		4000	8238	56.29	146.35	1171	2634
		5000	8204	55.95	146.64	1173	2640
		5700	8144	56.19	144.95	1160	2609
		6500	8087	56.30	143.65	1149	2586
	Medium	3000	9707	69.30	140.07	1119	2518
		4000	9726	66.46	146.35	1171	2634
		5000	9686	66.05	146.64	1173	2640
		5700	9615	66.33	144.95	1160	2609
		6500	9548	66.47	143.65	1149	2586
	High	3000	10962	78.26	140.07	1119	2518
		4000	10984	75.05	146.35	1171	2634
		5000	10938	74.59	146.64	1173	2640
		5700	10858	74.91	144.95	1160	2609
		6500	10782	75.06	143.65	1149	2586



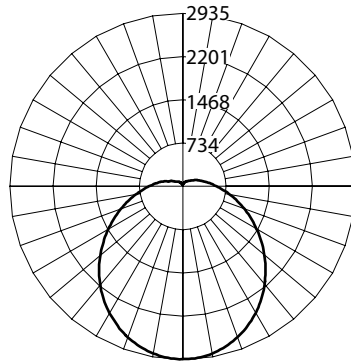
LSC28F Select

Selectable CCT & Output LED Foldable Linear Strip

Photometric Data

LSC28F 40K 80W

Input Voltage (VAC)	120-277
System Level Power (W)	75.1
Delivered Lumens (Lm)	10938
System Efficacy (Lm/W)	146.6
Correlated Color Temp (K)	4227
Color Rendering Index (CRI)	86
Beam Angle (0)	138.2
Beam Angle (90)	103.6
Spacing Criteria (0)	1.22
Spacing Criteria (90)	1.32



Cone of Light Tabulation

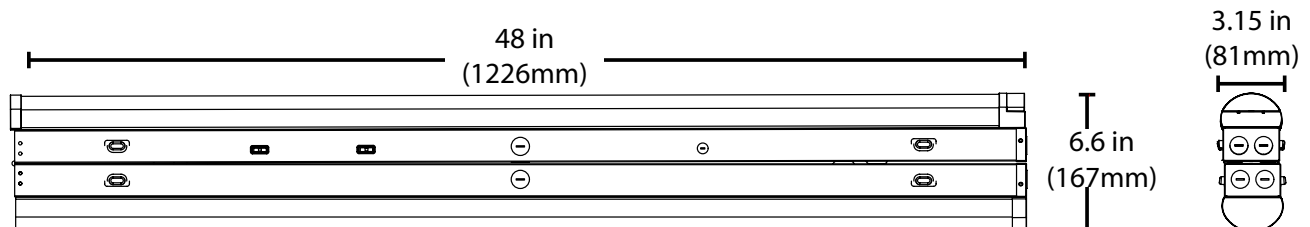
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
8	45.7	41.9
10	29.3	52.4
12	20.3	62.8
14	14.9	73.3

Data Multiplier

	LSC28F				
	30K	40K	50K	57K	65K
Low	0.7477	0.7501	0.7469	0.7415	0.7363
Med	0.8828	0.8855	0.8818	0.8754	0.8693
High	0.9969	1.0000	0.9958	0.9886	0.9817

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

Dimensions



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.