

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

12" LED 1300•800 LUMEN SERIES

20•11 WATT

LSV-12287

## Surface Vandal Downlight • LED

Up to 90,000 Hour Life

LM-80 Qualified • LM-79 Certified Photometry



### Specifications

#### Delivered System Performance\*

- Standard WFL distribution: 1269 delivered lumens / 63 LPW / 1.1 SC.
- 20 watt LED array. 3500°K standard (or see Options -27K, -30K or -41K).
- Up to 85 CRI and 90,000 hour life (L70). For 90+ CRI, see Option -HC.
- Option -43: 800 lumen / 11 watt series package instead.
- Fully sustainable: removable for servicing.

#### Thermal Management System

- All aluminum in direct contact with heat sink, common for aluminum housing materials, ensuring long life while reducing maintenance.

#### LED Power Supply

- 0-10V CCR dimming standard. (100-10%)
- 120-277V / 50-60Hz standard. LED insensitive.

- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).
- For Lutron HiLume dimming, see Option -or -39.

#### Trim Assembly

- Vandal resistant with seamless aluminum, one piece, self-healing trim.
- Scratch resistant pin tamper proof screws and cover. Hides security of housing.
- High strength, clear acrylic above 1/8" clear polycarbonate.
- Tool required for tool included.

#### Aluminum Housing

- Seamless white acrylic channel. Rustproof: Exceeds 1000 hours salt spray test.
- No visible pin tamper proof screws.
- Corrosion: Extends life of all components.
- Fully sustainable: Entire luminaire including LED light engine, is modular, easily visible and serviced through the fixture.
- Lightweight: minimizes ceiling load.

#### Installation

- Point mounting for snug fit to ceiling. Mounting hardware furnished.
- 2" collar for surface J-box mount. (See Option -70)
- Indoor outdoor for covered ceiling use (See Option -89).

#### UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings. (See Option -89)

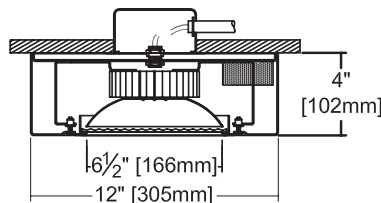
#### CE & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.

**5 Year** FIVE YEAR Limited Warranty

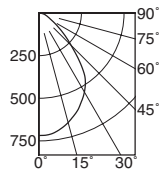
- Complete standard fixture.

### Performance at a Glance



#### STANDARD (WFL) DISTRIBUTION

Lumens: 1269  
Beam: ~58°  
SC: 1.1  
LPW: 63  
Efficiency: 89.6%  
ITL Test: 80528



## THE KIRLIN COMPANY

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\*See note next page

LATITUDES LED LIGHTING

CATALOG NUMBER

LSV-12287

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. THE KIRLIN COMPANY EXPECTS PHOTOMETRIC PERFORMANCE TO IMPROVE SIGNIFICANTLY AND FREQUENTLY AS LED SOURCE TECHNOLOGY IMPROVES.

LSV-12287

12" LED

1300 • 800 LUMEN SERIES

20 • 11 WATT

# KIRLIN

Since 1895

## Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79-08

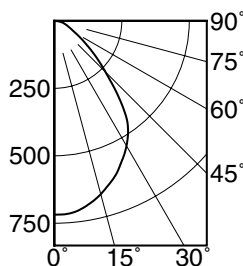
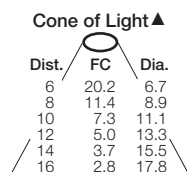
Photometry from I.T.L., Boulder, CO

### STANDARD (WFL)

Lumens: 1269  
Beam: ~58°  
SC: 1.1  
LPW: 63  
Efficiency: 89.6%  
ITL Test: 80528



Total System Watts 20.2



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	727	727	727	727	727
5	757	757	758	738	417
15	685	679	675	668	660
25	579	591	588	585	579
35	471	467	469		
45	245	253		25	246
55	131	133		133	131
65		71	70	72	64
75		44	44	44	44
85		10	10	10	10
90	0	0	0	0	0

LM-80 Qualified LM-79 Certified Photometry

\* LED manufacturers must provide a tolerance of ±7% on flux, beam angle, and power (electrical) measurements. KIRLIN Lighting Company, Inc. is an independent testing laboratory (ITL) where photometric measurements are taken from 14" to 20" from the light engines (with the exception of tolerance).

▲ Cone of Light (K) (Dia. in ft.) (at 100 ft. distance)  
FC Footcandle at nadir (0°)  
Dia. Circle of light at 50% of FC

### Options

#### LED Power Supply

- 29 **Two wire** full range (100-1%) PWM dimming instead (Lutron). 120V only. Not available with Option -EI.
- 39 **Three wire** full range (100-1%) PWM dimming instead (Lutron).
- 43 800 lumen / 11 watt series package instead. Apply lumen factor of 60.7% to above data. Also see Options -29 and -39.
- 97 Specify other voltage. Consult factory.
- EI Remote emergency inverter for 85% of rated lumens. Run time: 90+ minutes. 120 **or** 277V, 60Hz input only. Specify voltage. Not for use with Option -29.

#### Color (CCT and CRI)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 47K Color temperature 4100°K instead.
- HC 90+ CRI instead. 2700° or 3000°K only. Reduces output by ~15%.

#### Lenses and Trims

- 21 White translucent flat poly diffuser instead.
- 23 Frosted microprismatic lens instead.
- 46 Gasket between trim and lens.
- CF Custom color filter (Rosco). Specify.

#### Luminaire (Housing) Finishes

- 35 Natural aluminum acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

#### Mounting

- 80 2" collar for mounting beneath surface outlet box. 1/2" T.S. KO's. Must add Option -89 for wet label listing.
- 89 Sealed top WeatherCap. Must add to Option -80 for wet label listing.

#### Other

- 99 Special modification. Consult factory.
- FS In-line fusing.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

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