

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

12" LED 1300 • 800 LUMEN SERIES 20 • 11 WATT LSR-12283

Shallow Surface Lensed Downlight • LED

Up to 90,000 Hour Life

LM-80 Qualified • LM-79 Certified Photometry



Specifications

Delivered System Performance*

- Standard WFL distribution: 1264 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 instead.
- Fully sustainable: removable for service.

Thermal Management System

- All aluminum proprietary heat sink components and thermal paste maximize cooling operation and efficiency while minimizing maintenance.

Low Voltage Supply

- 0-10V CCR dimming standard. (100-10%)

- 120-277V / 50-60Hz standard. Load insensitive.
- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).
- For Lutron HiLume dimming, see Option -23 or -39.

Trim Assembly

- White flat seamless aluminum, one-piece self-flange.
- Tempered prismatic spread distribution lens or optional lens.

Aluminum Housing

- Seamless acrylic enameled. Rust-free.
- 1000 hour ASTM 58 salt spray.
- Removable cylinder hardware for easy cool operation. Exposed components.
- Fully sustainable: no mercury, including LED light engine is not heat, easily visible through aperture.
- LED light engine is not heat, easily visible through aperture.

Options

- Center point mounting for snug fit to ceiling. Mounting hardware furnished.
- Collar for surface J-box mount. (See Option -80)
- Indoor or outdoor for covered ceiling use (see Option -89).

UL, CUL (Canada) Listings

- Wet locations or dry locations, covered ceiling (see Option -89)

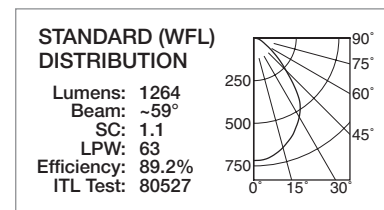
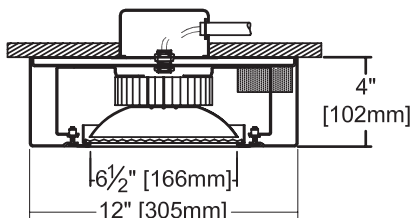
EMC Compliance

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

5 Year FIVE YEAR Limited Warranty

- Complete standard fixture.

Performance at a Glance



THE KIRLIN COMPANY

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*See note next page

LATITUDES LED LIGHTING

CATALOG NUMBER
LSR-12283

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.

Detailed Photometry - Installed Fixture

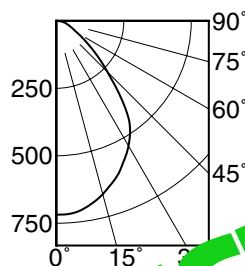
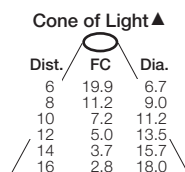
Photometric testing done in accordance with IESNA LM-79-08

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

STANDARD (WFL)

Lumens: 1264
Beam: ~59°
SC: 1.1
LPW: 63
Efficiency: 89.2%
ITL Test: 80527

Total System Watts 20.1



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	718	718	718	718	718
5	715	715	715	715	715
15	665	665	665	665	665
25	583	583	583	583	583
35	475	475	475	475	475
45	383	383	383	383	383
55	268	268	268	268	268
65	133	133	133	133	133
75	66	66	66	66	66
85	38	38	38	38	38
90	0	0	0	0	0

LM-80 Qualifier LM-79 Certified Photometry

* LED manufacturer's initial tolerance (±7% in lumens) and power (electrical) measurement (Kirlin photometry) test data from independent testing Laboratories (ITL) photometry was measured (Kirlin photometry) light engines (Kirlin photometry) established tolerance.

Light Key
Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC
(Value is half the FC at nadir.)

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 100% 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)

- 27 Color temperature 2700°K instead.
- 28 Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- HC 90+ CRI instead. 2700° or 3000°K only. Reduces output by ~15%.

Lenses and Trims

- 13 Vandal resistant tempered prismatic spread lens above 1/8" flat polycarbonate.
- 17 Prismatic high strength acrylic lens instead.
- 18 White flat opal glass lens instead.
- 21 White translucent flat poly diffuser instead.
- 23 Frosted micropismatic 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

JOB NAME

TYPE

WATTAGE

CATALOG NUMBER

VOLTAGE

APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALL TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.