

| | |
|---------------|-------|
| PROJECT: | _____ |
| CATALOG #: | _____ |
| FIXTURE TYPE: | _____ |
| NOTES: | _____ |

DR Downlight Retrofit G1 Series



PERFORMANCE INFORMATION

| SERIES NUMBER | WATT | LUMENS | CCT* | TRIM |
|-----------------|------|--------|-------|------|
| DR 4R 10 G1 30K | 15W | 1,035 | 3000K | 4 in |
| DR 4R 15 G1 30K | 20W | 1,360 | 3000K | 4 in |
| DR 6R 10 G1 30K | 15W | 1,035 | 3000K | 6 in |
| DR 6R 15 G1 30K | 20W | 1,360 | 3000K | 6 in |
| DR 8R 10 G1 30K | 15W | 1,035 | 3000K | 8 in |
| DR 8R 15 G1 30K | 20W | 1,360 | 3000K | 8 in |

*Selectable 3000K, 4000K, and 5000K CCT

Economically designed *DR Downlight Retrofit Gen 1 Series* features a fully customizable downlight with two light engine options and three trim sizes. This interchangeable luminaire can be quickly and easily installed with spring clips that attach to the engine and is an ideal choice for any retrofit or new construction projects. Also includes Selectable CCT in 3000K, 4000K, and 5000K for added convenience and flexibility. Optional Emergency Driver is available.

APPLICATIONS

Commercial, Hotels, Offices, Retail, and Residential, etc.

REPLACEMENT

DR 15W: 32W CFL
DR 20W: 36W CFL

KEY FEATURES



TRIM SIZE & ACCESSORIES



| ORDERING GUIDE | | | | | | | |
|------------------------------------|------------------|-----------------------|------------|------------------------|------------------|--------------------|---------------------|
| Luminaire Type | Trim Size | Lumen Output | Generation | Voltage | CCT* | Reflector | Flange Finish |
| DR Downlight Retrofit | 4R 4 inch | 10 1,035 (15W) | G1 | BLANK =120-277V | 30K 3000K | BLANK =Haze | BLANK =White |
| | 6R 6 inch | 15 1,360 (20W) | | | 40K 4000K | | |
| | 8R 8 inch | | | | 50K 5000K | | |

*Selectable 3000K, 4000K, and 5000K CCT

Due to continuous product improvements, specification and/or equipment updates may change without notice.

DR DOWNLIGHT RETROFIT GEN 1



SPECIFICATIONS

CONSTRUCTION

Integrated J-Box with superior LED light engine can be customized with the 4 in, 6 in, or 8 in round trim and haze reflector.

AMBIENT TEMPERATURE

Suitable for use in -20°C to +45°C (-4°F to 113°F)

MOUNTING

Easy install spring clips that attach to the engine can be directly mounted to the ceiling. Optional New Construction Housing available.

EFFICACY

Up to 69 lumens per watt (see individual wattage data)

CCT AND CRI

Selectable 3000K, 4000K, and 5000K CCT available; 80CRI

OPTICS

Glare controlling matte diffuser for balanced light distribution.

DR 4R provides 72° beam angle

DR 6R provides 75° beam angle

DR 8R provides 80° beam angle

WARRANTY

5-year limited warranty. Comprehensive warranty terms can be located on www.slgus.com.

ELECTRICAL

Standard Input Voltage 120V-277V with 0-10V dimming. Optional Emergency Driver available.

ENERGY DATA

Power factor above 95%

TOTAL HARMONIC DISTORTION

Max 20%

TRIM FINISH

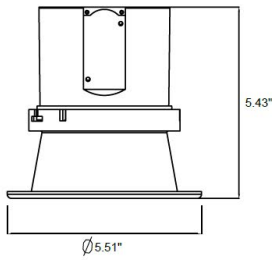
White finish

CERTIFICATIONS

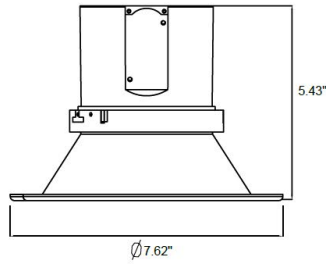
UL Listed for damp locations. Energy Star certified.

Due to continuous product improvements, specification and/or equipment updates may change without notice.

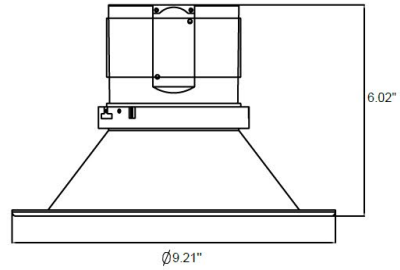
DIMENSIONS



DR 4R


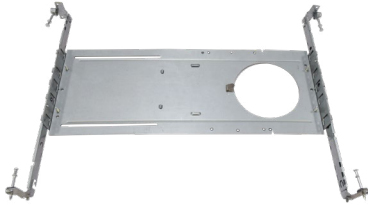
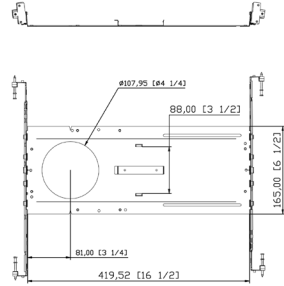

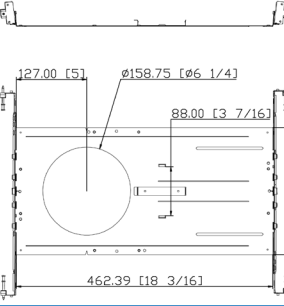

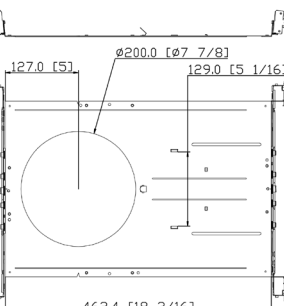


DR 6R



DR 8R

ACCESSORIES

| PART NUMBER | DESCRIPTION | IMAGE | DIMENSION |
|---------------|-----------------------------|--|---|
| EMH-25 | Emergency Driver 25W |  | 17.14 X 2.13 X 1.57 in |
| DR 4" Housing | 4" New Construction Housing |  |  |
| DR 6" Housing | 6" New Construction Housing |  |  |
| DR 8" Housing | 8" New Construction Housing |  |  |

Due to continuous product improvements, specification and/or equipment updates may change without notice.

PERFORMANCE DATA

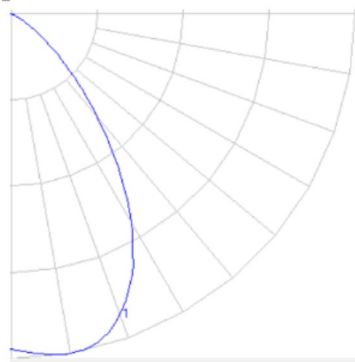
| SERIES NUMBER | WATT | LUMENS | EFFICACY |
|-----------------|------|--------|----------|
| DR 4R 10 G1 30K | 15W | 1,035 | 69 lm/W |
| DR 4R 15 G1 30K | 20W | 1,360 | 68 lm/W |
| DR 6R 10 G1 30K | 15W | 1,035 | 69 lm/W |
| DR 6R 15 G1 30K | 20W | 1,360 | 68 lm/W |
| DR 8R 10 G1 30K | 15W | 1,035 | 69 lm/W |
| DR 8R 15 G1 30K | 20W | 1,360 | 68 lm/W |

EMERGENCY BATTERY ELECTRICAL PERFORMANCE

| OUTPUT POWER | 18W | 25W |
|-----------------------|---|-----|
| Input Power | 6W (Max) | |
| Output Voltage | 170VDC (Equivalent 120 VAC) | |
| Input Voltage | 120-277 VAC 50/60Hz | |
| Emergency Operations | >90 min | |
| Operating Temperature | 32 F to 122 F | |
| Battery | High Temp Nickel-Cadmium 48 Hrs Recharge 7-10 Year Life Expectancy | |

Due to continuous product improvements, specification and/or equipment updates may change without notice.

PHOTOMETRIC DATA



DR 4R 12 G1 30K

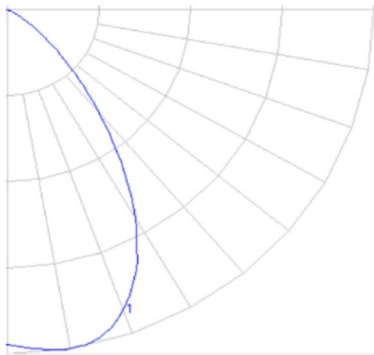
Lumens: 1,130 Lumens
 Power: 15W
 Efficacy: 75lm/W
 Spacing Criteria: 1.25
 Beam Angle: 72°

| CANDLEPOWER DISTRIBUTION | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 0 | 803 |
| 5 | 804 |
| 15 | 783 |
| 25 | 662 |
| 35 | 433 |
| 45 | 213 |
| 55 | 80 |
| 65 | 14 |
| 75 | 2 |
| 85 | 0 |
| 90 | 0 |

| INITIAL FOOTCANDLES | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 13 | 14 |
| 9 | 10 | 16 |
| 10 | 8 | 19 |
| 12 | 6 | 22 |
| 15 | 4 | 28 |

| ZONAL LUMEN SUMMARY | | |
|---------------------|---------|--------|
| Zone | Lumens | %Fixt |
| 0-30 | 598.73 | 53.00 |
| 0-40 | 868.79 | 76.90 |
| 0-60 | 1109.79 | 98.20 |
| 0-90 | 1129.83 | 100.00 |

| LUMEN OUTPUT COEFFICIENT | | | |
|--------------------------|-------|-------|-------|
| CCT | 3000K | 4000K | 5000K |
| Low Lumen Output | 0.53 | 0.62 | 0.58 |
| Med Lumen Output | 0.67 | 0.78 | 0.73 |
| High Lumen Output | 1 | 1.2 | 1.1 |



DR 4R 15 G1 30K

Lumens: 1,404 Lumens
 Power: 20W
 Efficacy: 70lm/W
 Spacing Criteria: 1.25
 Beam Angle: 72°

| CANDLEPOWER DISTRIBUTION | |
|--------------------------|--------------|
| Angle (°) | Average (cd) |
| 0 | 987 |
| 5 | 990 |
| 15 | 969 |
| 25 | 825 |
| 35 | 542 |
| 45 | 266 |
| 55 | 101 |
| 65 | 18 |
| 75 | 3 |
| 85 | 0 |
| 90 | 0 |

| INITIAL FOOTCANDLES | | |
|---------------------|----|---------------|
| Height (ft) | Fc | Diameter (ft) |
| 8 | 16 | 18 |
| 9 | 12 | 20 |
| 10 | 10 | 21 |
| 12 | 7 | 22 |
| 15 | 4 | 28 |

| ZONAL LUMEN SUMMARY | | |
|---------------------|---------|--------|
| Zone | Lumens | %Fixt |
| 0-30 | 741.22 | 52.80 |
| 0-40 | 1078.23 | 76.80 |
| 0-60 | 1378.69 | 98.20 |
| 0-90 | 1403.89 | 100.00 |

| LUMEN OUTPUT COEFFICIENT | | | |
|--------------------------|-------|-------|-------|
| CCT | 3000K | 4000K | 5000K |
| Low Lumen Output | 0.53 | 0.62 | 0.58 |
| Med Lumen Output | 0.67 | 0.73 | 0.69 |
| High Lumen Output | 1 | 1.2 | 1.1 |

Due to continuous product improvements, specification and/or equipment updates may change without notice.