LEVITON®

Surface Mount Downlight with Selectable CCT

Designed for a wide range of applications: Residential, Multi-Family, Hospitality, and Light Commercial spaces

The SDR series is a sleek, low-profile design that offers high lumen output and adds a modern touch to any space. With multiple sizes, adjustable CCT, and optional black trim ring accessories, the SDR series is versatile for both residential and light commercial applications. Pair the SDR series with Leviton compatible dimmers for the desired light level needed for any space. The SDR Series with its driver-on-board design eliminates external driver for easy installation over most industry standard junction boxes. Suitable for use in wet locations, making it a great choice for a variety of environments, inside or out.

- ENERGY STAR® Certified
- cETLus listed in accordance with UL 1598 and CSA C22.2 No. 250.0
- Complies with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements
- Suitable for use in clothes closets when installed in accordance with NFPA® 70, NEC® Section 410.16 (A)(1) (C)(1)
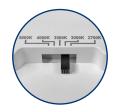- Suitable for Wet Locations, Covered Ceilings

ENERGY STAR®	cETLus Listed	Title 24 JA8 Compliant	Wet Location

Black Trim Ring available

5 Selectable CCTs
2700K/3000K/3500K/4000K/5000K

5000K 4000K 3500K 3000K 2700K

- Available in 5-, 7-, and 9-inch round apertures
- 900, 1100, and 1500 lumens

Features and Benefits

- Surface mount downlighting solution; easy installation with most standard junction boxes
- Available in 5-, 7-, and 9-inch diameter models
- Field selectable color temperature (CCT)
  - Select from 2700K, 3000K, 3500K, 4000K, and 5000K
- Edge-lit optical system with diffuse polycarbonate lens produces uniform even light distribution
- Driver on-board design eliminates external driver for easy installation and minimizes installation height
- Closed cell gasket included for use in wet location environments
- 120V Forward or Reverse Phase Dimming down to 10%
  - Compatible with Leviton dimmers listed below
- Optional matte black trim ring accessories

Rating

- 120VAC, 50/60Hz

Performance

- 5-Inch round delivers 900 lumens at 12 watts
- 7-Inch round delivers 1,100 lumens at 15 watts
- 9-Inch round delivers 1,500 lumens at 18 watts
- Light engine consists of 90+ CRI LEDs with R9>50
- 50,000 Hours @ 70% Lumen Maintenance
- Five (5) year replacement after date of purchase

Certifications

- cETLus listed in accordance with UL 1598 and CSA C22.2 No. 250.0
- Suitable for Wet Locations, covered ceilings
- ENERGY STAR® Certified
- Complies with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements
- Suitable for use in clothes closets when installed in accordance with NFPA® 70 Section NEC® 410.16 (A)(1) (C)(1) spacing requirements

Specifications

	SDR50-S1W	SDR70-S1W	SDR90-S1W
Size	5-Inch Round	7-Inch Round	9-Inch Round
Lumen Output[1]	900Lm	1100Lm	1500Lm
Input Power	12W	15W	18W

1. Values are nominal and vary based on CCT

Leviton Compatible Dimmers

	Dimmer Model
SureSlide	6672, 6674N, 6674
IllumaTech	IPL06
Decora Slide with Lever Edge	ESL01
Decora Slide	DSL06, DSE06
Decora Digital	DDM06
Decora Smart Wi-Fi	D2ELV
Toggle Slide	TSL06
Trimatron Rotary	RDL06, RNL06

DIMMING TYPE: Forward/Reverse Phase
TYPICAL DIMMING RANGE: Down to 10%

Dimensional Drawings

Cat. No.	A	B	C
SDR50-S1W	4-7/16"	3/4"	5-9/16"
SDR70-S1W	5-15/16"	3/4"	7-1/8"
SDR90-S1W	7-3/4"	3/4"	8-7/8"

SDR50 - Photometrics

CCT	CRI	Lumens[2] (Lm)	Power (W)	Lm/W
2700K	94	904	11.8	76.6
3000K	95	942	11.9	79.0
3500K	97	978	12.0	82.0
4000K	97	963	12.0	80.0
5000K	96	908	11.8	77.0

Cone of Light

Distance (Ft.)	Footcandles (FC)	Beam Dia. (Ft.)
4	21.5	11.3
6	9.5	16.9
8	5.4	22.6
10	3.4	28.2
12	2.4	33.9
14	1.8	39.5

Beam Distribution: **109°**
Spacing Criterion: **1.3**
Photometric results above based on 3000K

SDR70 - Photometrics

CCT	CRI	Lumens[2] (Lm)	Power (W)	Lm/W
2700K	94	1129	14.3	79.0
3000K	96	1195	14.5	82.4
3500K	97	1255	14.7	85.4
4000K	97	1238	14.6	84.8
5000K	95	1166	14.4	81.0

Cone of Light

Distance (Ft.)	Footcandles (FC)	Beam Dia. (Ft.)
4	27.5	10.6
6	12.2	15.9
8	6.9	21.2
10	4.4	26.5
12	3.1	31.9
14	2.2	37.6

Beam Distribution: **106°**
Spacing Criterion: **1.3**
Photometric results above based on 3000K

SDR90 - Photometrics

CCT	CRI	Lumens[2] (Lm)	Power (W)	Lm/W
2700K	94	1477	17.3	85.4
3000K	96	1529	17.5	87.4
3500K	97	1585	17.8	89.0
4000K	97	1573	17.6	89.4
5000K	96	1495	17.4	85.9

2. Lumens not going up with CCT, individual LEDs not single CCT

Cone of Light

Distance (Ft.)	Footcandles (FC)	Beam Dia. (Ft.)
4	34.9	11.4
6	15.5	17.1
8	8.7	22.8
10	5.6	28.5
12	3.9	34.2
14	2.8	39.9

Beam Distribution: **109°**
Spacing Criterion: **1.3**
Photometric results above based on 3000K

LEVITON

Leviton Manufacturing Co., Inc.

Tech Line: 1-800-824-3005
Mon-Fri 8am-10pm EST, Saturday 9am-7pm EST, Sunday 9am-5pm EST
For 24/7 product support visit **www.leviton.com/support**

Ordering Information

Cat. No.	Description	UPC Number	Std. Pack
SDR50-S1W	Surface Mount Downlight 5-Inch Round	07847702806 3	24
SDR70-S1W	Surface Mount Downlight 7-Inch Round	07847702807 0	24
SDR90-S1W	Surface Mount Downlight 9-Inch Round	07847702808 7	18
SDR5X-T0E	Trim Ring, 5-In Round Surface MT, Black	07847702809 4	24
SDR7X-T0E	Trim Ring, 7-In Round Surface MT, Black	07847702810 0	24
SDR9X-T0E	Trim Ring, 9-In Round Surface MT, Black	07847702811 7	18