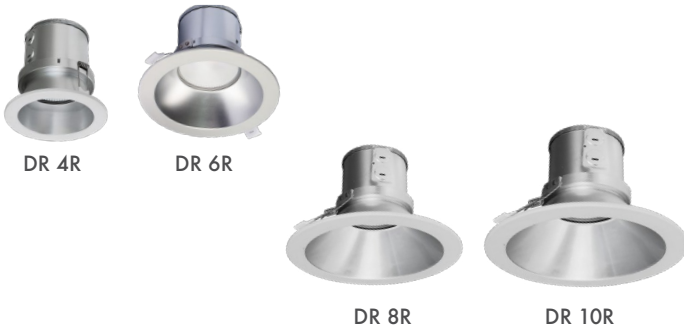


PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

# DR Downlight Retrofit G1 Series

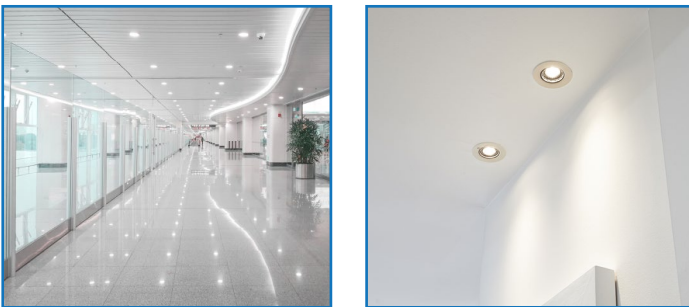


Economically designed *DR Downlight Retrofit Gen 1 Series* features a fully customizable downlight with two light engine options and four trim sizes, as well as wall washing trim options. This interchangeable luminaire can be quickly and easily installed with spring clips that attach to the engine and is an ideal choice for any retrofit or new construction projects. Includes two different Selectable CCT ranges, one with fixed wattage and one with selectable wattage. Optional Emergency Driver is available.



## APPLICATIONS

Commercial, Hotels, Offices, Retail, and Residential, 15°-20° Sloped Ceilings and Wall Wash applications



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

## SPECIFICATIONS

### CONSTRUCTION

Integrated J-Box with superior LED light engine can be customized with the 4 in, 6 in, 8 in, or 10in 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 75 lumens per watt (see individual wattage data)

### CCT AND CRI

#### Fixed Wattage

15W and 20W. Selectable 3000K/3500K/4000K CCT. 80+ CRI

#### Selectable Wattage

27W/34W/40W. Selectable 3000K/4000K/5000K CCT. 80+ CRI

### OPTICS

Glare controlling matte diffuser for balanced light distribution. 15-20° Angle Cut reflector trim available.

DR 4R provides 72° beam angle

DR 6R provides 75° beam angle

DR 8R provides 80° beam angle

DR 10R provides 80° beam angle

### WARRANTY

5-year limited warranty. Comprehensive warranty terms can be located on [www.slgus.com](http://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 pending.

### TRIM SIZE



4 inch



6 inch



8 inch



10 inch



4 inch Square Wall Wash



4 inch Round Wall Wash



6 inch Square Wall Wash



6 inch Round Wall Wash

### FIXED WATTAGE ORDERING GUIDE

Luminaire Type	Trim Size	Lumen Output (Fixed Wattage)	Generation	Voltage	Selectable CCT	Reflector	Flange Finish
<b>DR</b> Fixed Wattage Retrofit Downlight	<b>4R</b> 4 inch Round	<b>10</b> 1,035 (15W) <b>15</b> 1,360 (20W)	<b>G1</b>	<b>BLANK=</b> 120-277V	<b>30K/40K/50K</b> 3000K / 4000K / 5000K	<b>BLANK=</b> Haze	<b>BLANK=</b> White
	<b>6R</b> 6 inch Round						
	<b>8R</b> 8 inch Round						
	<b>10R</b> 10 inch Round						
	<b>4RW</b> 4 inch Round Wall Wash						
	<b>6RW</b> 6 inch Round Wall Wash						
	<b>4SW</b> 4 inch Square Wall Wash						
<b>6SW</b> 6 inch Square Wall Wash							

### SELECTABLE WATTAGE ORDERING GUIDE

Luminaire Type	Trim Size	Lumen Output (Selectable Wattage)	Generation	Voltage	Selectable CCT	Reflector	Flange Finish
<b>DR</b> Selectable Wattage Retrofit Downlight	<b>4R</b> 4 inch Round	<b>20/25/30</b> 2,025 (27W) 2,550 (34W) 3,000 (40W)	<b>G1</b>	<b>BLANK=</b> 120-277V	<b>30K/35K/40K</b> 3000K/3500K/4000K	<b>BLANK=</b> Haze	<b>BLANK=</b> White
	<b>6R</b> 6 inch Round						
	<b>8R</b> 8 inch Round						
	<b>10R</b> 10 inch Round						
	<b>4RW</b> 4 inch Round Wall Wash						
	<b>6RW</b> 6 inch Round Wall Wash						
	<b>4SW</b> 4 inch Square Wall Wash						
<b>6SW</b> 6 inch Square Wall Wash							



EL UNV-8W-Panel



DR 4/6/8in Housing

### RECOMMENDED REPLACEMENT

Wattage	Lumens	Equivalence
15W	1,035	13W CFL
20W	1,360	32W CFL
27W	2,025	36W CFL
34W	2,550	42W CFL
40W	3,000	55W CFL

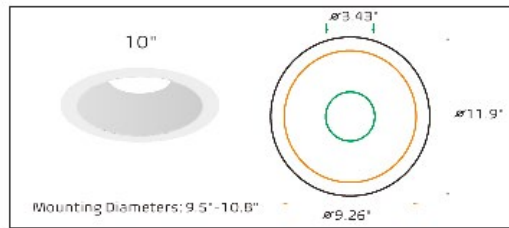
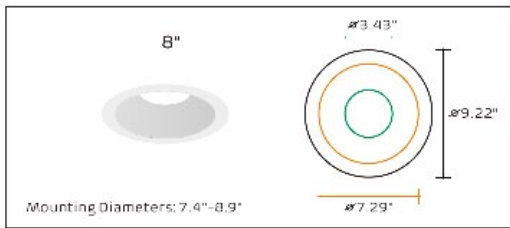
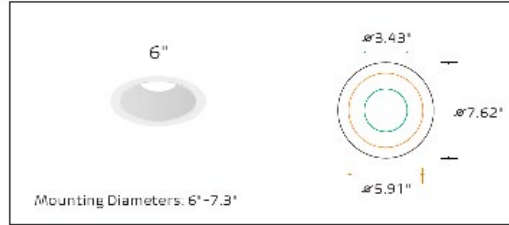
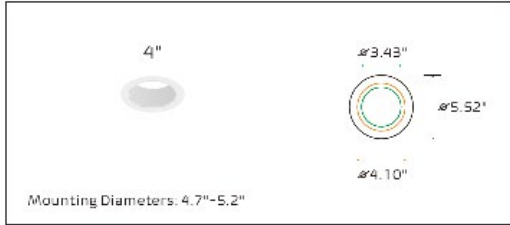
#### ACCESSORIES (Shipped separately. Requires some field assembly.)

**EL UNV-8W-PANEL** Emergency Driver 8W

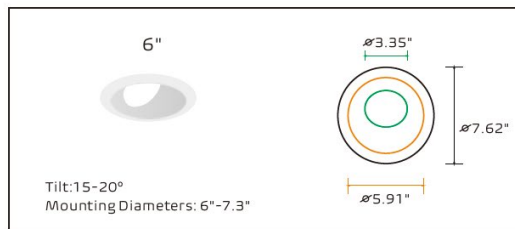
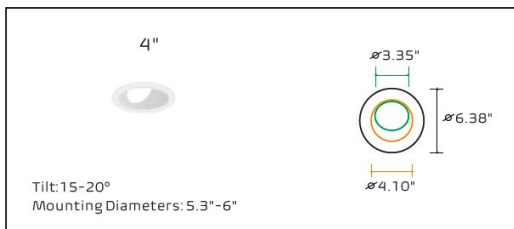
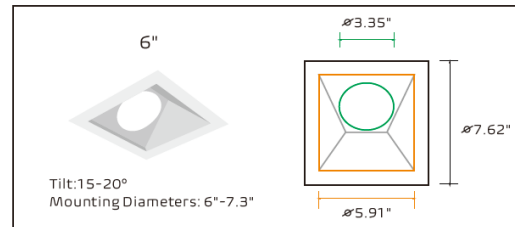
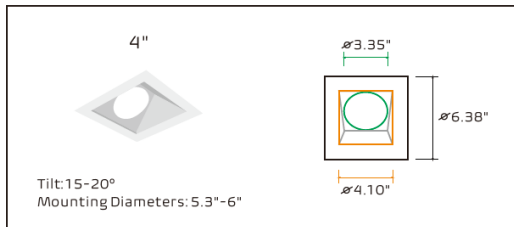
**DR 4/6/8 in Housing** New Construction Universal Housing 4"/6"/8" for Retrofit Downlight

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

## DIMENSIONS



## WALL WASH TRIM DIMENSIONS



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## PERFORMANCE DATA

FIXED WATTAGE			
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
DR 10R 10 G1 30K	15W	1,035	69 lm/W
DR 10R 15 G1 30K	20W	1,360	68 lm/W

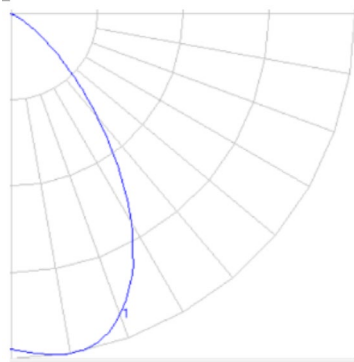
## ELECTRICAL LOAD

Wattage	Current (A)			
	120V	208V	240V	277V
15W	0.13	0.07	0.06	0.05
20W	0.17	0.10	0.08	0.07
27W	0.23	0.13	0.11	0.10
34W	0.28	0.16	0.14	0.12
40W	0.33	0.19	0.17	0.14

SELECTABLE WATTAGE			
SERIES NUMBER	SELECTABLE WATTAGE	LUMENS	EFFICACY
DR 4R 20/25/30 G1 30K/35K/40K	27W	2,025	75 lm/W
	34W	2,550	
	40W	3,000	
DR 6R 20/25/30 G1 30K/35K/40K	27W	2,025	75 lm/W
	34W	2,550	
	40W	3,000	
DR 8R 20/25/30 G1 30K/35K/40K	27W	2,025	75 lm/W
	34W	2,550	
	40W	3,000	
DR 10R 20/25/30 G1 30K/35K/40K	27W	2,025	75 lm/W
	34W	2,550	
	40W	3,000	

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## PHOTOMETRIC DATA



### DR 6R 10 G1 30K

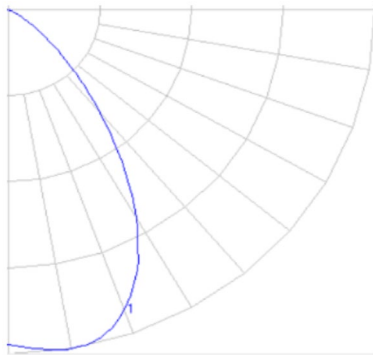
Lumens: 1,130 Lumens  
 Power: 15W  
 Efficacy: 75lm/W  
 Spacing Criteria: 1.25  
 Beam Angle: 75°

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 6R 15 G1 30K

Lumens: 1,404 Lumens  
 Power: 20W  
 Efficacy: 70lm/W  
 Spacing Criteria: 1.25  
 Beam Angle: 75°

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.