

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

## DRS G2 Commercial Retrofit Downlight Series



The *DRS Commercial Retrofit Downlight Series Gen 2* comes with CCT Selectable and Lumen Adjustable features with 0-10V dimming. With seamless integration of heat sink, recessed reflector, and frosted lens, this downlight provides a strong and smooth uniform beam of light. This downlight comes in 6", 8", and 10" round sizes and is an ideal choice for retrofitting existing commercial downlights or new construction applications.

### APPLICATIONS

Commercial and Residential Applications

### REPLACEMENT

6" Round: 60W-250W PAR

8" Round: 90W-150W PAR, 18W-32W CFL

10" Round: 120W-250W PAR, 23W-42W CFL

### PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS ADJUSTABLE		CCT SELECTABLE	TRIM SIZE & SHAPE		
DRS 6R 9/12/14 G2 FSK	9W	L	850	3000K 3500K 4000K	6" Round		
	12W	M	1,140				
	15W	H	1,425				
DRS 8R 12/16/20 G2 FSK	12W	L	1,200		3000K 3500K 4000K	8" Round	
	16W	M	1,600				
	20W	H	2,000				
DRS 10R 18/23/30 G2 FSK	18W	L	1,800			3000K 3500K 4000K	10" Round
	23W	M	2,300				
	30W	H	3,000				

### ORDERING GUIDE

Luminaire Type	Trim Size and Shape	Adjustable Wattage and Lumen Output Range	Generation	Voltage	CRI	CCT	Flange Finish
<b>DRS</b> Commercial Retrofit Downlight Series	<b>6R</b> 6" Round	<b>9/12/14</b> 850/1,140/1,425 Lumens 9/12/15 Watts	<b>G2</b>	<b>BLANK=</b> 120-277V	<b>BLANK=</b> 80 CRI	<b>FSK=</b> Field Selectable CCT 3000K/3500K/4000K	<b>BLANK=</b> White
	<b>8R</b> 8" Round	<b>12/16/20</b> 1,200/1,600/2,000 Lumens 12/16/20 Watts					
	<b>10R</b> 10" Round	<b>18/23/30</b> 1,800/2,300/3,000 Lumens 18/23/30 Watts					

### ACCESSORIES

**EMA-DH08D-UNV-170** Emergency Driver, 8W

**DRS 3/4/6/8in Housing** New Construction Universal Housing 3"/4"/6"/8" for Retrofit Downlight



EMA-DH08D-UNV-170



DRS 3/4/6/8in Housing

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

## SPECIFICATIONS

### CONSTRUCTION

Aluminum housing with white baffle trim and flange.

### AMBIENT TEMPERATURE

Suitable for use in -20°C to 40°C (-4°F to 104°F).

### MOUNTING

Recessed mounting. Retrofit installation with existing housing. Does not need existing housing when installed directly into drywall ceiling. Optional New Construction Housing available.

### EFFICACY

Up to 100 lumens per watt (see individual wattage data). Field adjustable lumen package in Low, Medium, and High.

### CCT AND CRI

Selectable CCT 3000K, 3500K, 4000K; 80CRI

### LENS

Frosted polycarbonate lens.

### LIFE

Rated for 50,000 hours at 70% lumen maintenance.

### 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. 0-10V dimming with 5% low end cut off.

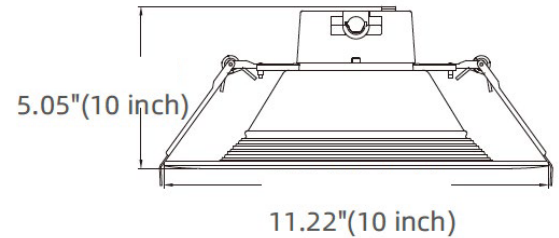
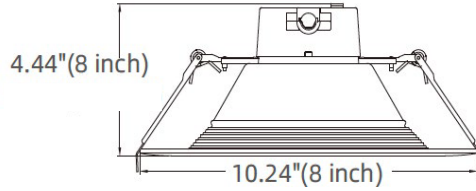
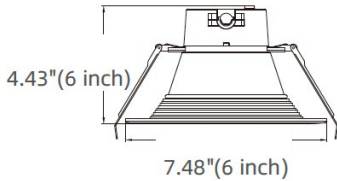
### FLANGE

White finish.

### CERTIFICATIONS

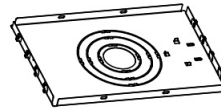
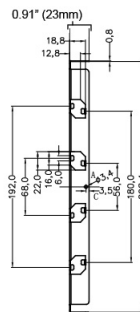
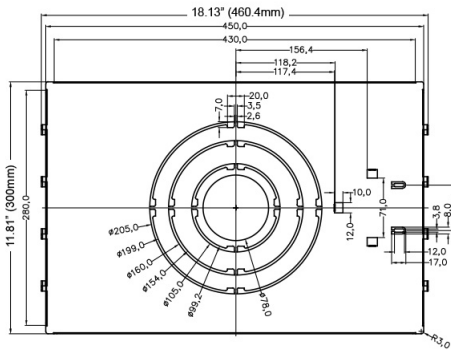
ENERGY STAR® Certified. UL Listed for wet location. Suitable for damp and wet locations.

## DIMENSIONS



3"/4"/6"/8" Housing

PRODUCT NUMBER	WEIGHT
DRS 6R 9/12/14 G2 FSK	1.43 lbs
DRS 8R 12/16/20 G2 FSK	1.87 lbs
DRS 10R 18/23/30 G2 FSK	1.97 lbs



PRODUCT NUMBER	WEIGHT
DRS 3/4/6/8IN Housing	2.31 lbs

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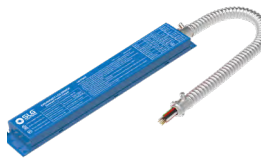
## REPLACEMENT DATA

SERIES NUMBER	WATT	REPLACEMENT	
		PAR	CFL
6" Round	9W	60W	—
	12W	75W	—
	15W	100W	—
8" Round	12W	90W	18W
	16W	120W	23W
	20W	150W	32W
10" Round	18W	120W	23W
	23W	150W	32W
	30W	250W	42W

## ELECTRICAL LOAD

Wattage	Current (A)			
	120V	208V	240V	277V
9W	0.08	0.04	0.04	0.03
12W	0.10	0.06	0.05	0.04
15W	0.13	0.07	0.06	0.05
16W	0.13	0.08	0.07	0.06
18W	0.15	0.09	0.08	0.06
20W	0.17	0.10	0.08	0.07
23W	0.19	0.11	0.10	0.08
30W	0.25	0.14	0.13	0.11

## EMERGENCY DRIVER



EMA-DH08D-UNV-170



Test Button

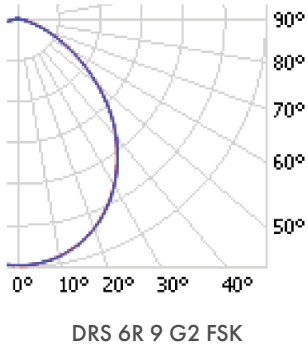
## SHIPPING INFORMATION

Product number	Individual box weight	# per carton	Carton box weight
<b>DRS 6R 9/12/14 G2 FSK</b>	1.65 lbs	10 pcs	17.64 lbs
<b>DRS 8R 12/16/20 G2 FSK</b>	2.09 lbs	10 pcs	22.05 lbs
<b>DRS 10R 18/23/30 G2 FSK</b>	2.41 lbs	5 pcs	13.16 lbs

Product number	Individual box weight	# per carton	Carton box weight
<b>DRS 3/4/6/8IN Housing</b>	2.54 lbs	10 pcs	26.46 lbs

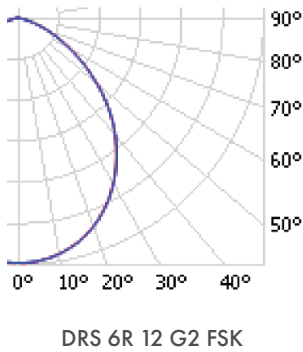
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## PHOTOMETRIC DATA



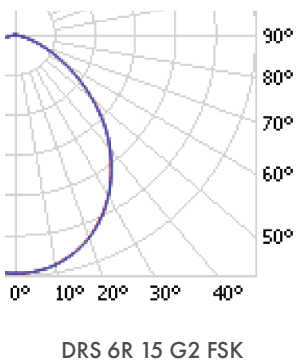
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	303.7	35.7
0-40	480.7	56.6
0-60	761.6	89.6
60-90	88.4	10.4
70-100	23.8	2.8
90-120	0.000	0

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	38.3	4.5
10-20	107.9	12.7
20-30	157.5	18.5
30-40	177.0	20.8
40-50	162.7	19.1
50-60	118.2	13.9
60-70	64.7	7.6
70-80	21.1	2.5
80-90	2.7	0.3



ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	407.3	35.7
0-40	644.8	56.6
0-60	1021.5	89.6
60-90	118.6	10.4
70-100	31.9	2.8
90-120	0.000	0
0-90	1140.1	100
90-180	0.000	0
0-180	1140.1	100

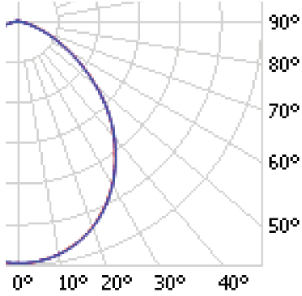
LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	51.3	4.5
10-20	144.8	12.7
20-30	211.3	18.5
30-40	237.4	20.8
40-50	218.2	19.1
50-60	158.6	13.9
60-70	86.7	7.6
70-80	28.3	2.5
80-90	3.6	0.3



ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	509.2	35.7
0-40	805.9	56.6
0-60	1276.8	89.6
60-90	148.2	10.4
70-100	39.8	2.8
90-120	0.000	0
0-90	1425.1	100
90-180	0.000	0
0-180	1425.1	100

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	64.2	4.5
10-20	180.9	12.7
20-30	264.1	18.5
30-40	296.8	20.8
40-50	272.7	19.1
50-60	198.2	13.9
60-70	108.4	7.6
70-80	35.3	2.5
80-90	4.5	0.3

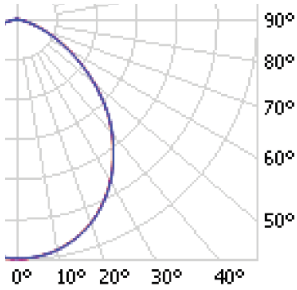
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DRS 8R 12 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	428.8	35.7
0-40	678.7	56.6
0-60	1075.2	89.6
60-90	124.8	10.4
70-100	33.5	2.8
90-120	0.000	0
0-90	1200.1	100
90-180	0.000	0
0-180	1200.1	100

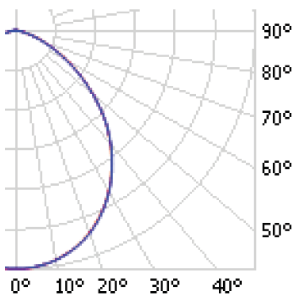
LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	54.0	4.5
10-20	152.4	12.7
20-30	222.4	18.5
30-40	249.9	20.8
40-50	229.6	19.1
50-60	166.9	13.9
60-70	91.3	7.6
70-80	29.8	2.5
80-90	3.8	0.3



DRS 8R 16 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	571.7	35.7
0-40	904.9	56.6
0-60	1433.7	89.6
60-90	166.5	10.4
70-100	44.7	2.8
90-120	0.000	0
0-90	1600.1	100
90-180	0.000	0
0-180	1600.1	100

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	72.0	4.5
10-20	203.2	12.7
20-30	296.5	18.5
30-40	333.2	20.8
40-50	306.2	19.1
50-60	222.5	13.9
60-70	121.7	7.6
70-80	39.7	2.5
80-90	5.0	0.3

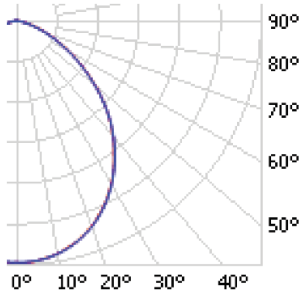


DRS 8R 20 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	714.6	35.7
0-40	1131.2	56.6
0-60	1792.1	89.6
60-90	208.1	10.4
70-100	55.9	2.8
90-120	0.000	0
0-90	2000.1	100
90-180	0.000	0
0-180	2000.1	100

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	90.0	4.5
10-20	254.0	12.7
20-30	370.6	18.5
30-40	416.5	20.8
40-50	382.7	19.1
50-60	278.2	13.9
60-70	152.2	7.6
70-80	49.6	2.5
80-90	6.3	0.3

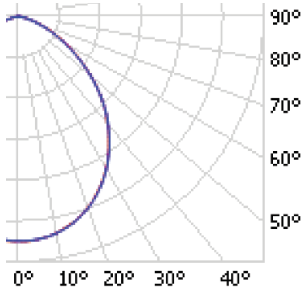
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DRS 10R 18 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	643.2	35.7
0-40	1018.0	56.6
0-60	1612.9	89.6
60-90	187.3	10.4
70-100	50.3	2.8
90-120	0.000	0
0-90	1800.1	100
90-180	0.000	0
0-180	1800.1	100

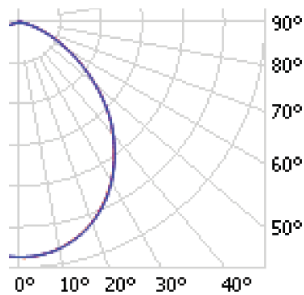
LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	81.0	4.5
10-20	228.6	12.7
20-30	333.6	18.5
30-40	374.9	20.8
40-50	344.5	19.1
50-60	250.4	13.9
60-70	137.0	7.6
70-80	44.6	2.5
80-90	5.7	0.3



DRS 10R 23 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	821.8	35.7
0-40	1300.8	56.6
0-60	2060.9	89.6
60-90	239.3	10.4
70-100	64.3	2.8
90-120	0.000	0
0-90	2300.2	100
90-180	0.000	0
0-180	2300.2	100

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	103.6	4.5
10-20	292.1	12.7
20-30	426.2	18.5
30-40	479.0	20.8
40-50	440.2	19.1
50-60	319.9	13.9
60-70	175.0	7.6
70-80	57.0	2.5
80-90	7.2	0.3



DRS 10R 30 G2 FSK

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	1071.9	35.7
0-40	1696.7	56.6
0-60	2688.1	89.6
60-90	312.1	10.4
70-100	83.8	2.8
90-120	0.000	0
0-90	3000.2	100
90-180	0.000	0
0-180	3000.2	100

LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	135.1	4.5
10-20	380.9	12.7
20-30	555.9	18.5
30-40	624.8	20.8
40-50	574.1	19.1
50-60	417.3	13.9
60-70	228.3	7.6
70-80	74.4	2.5
80-90	9.4	0.3

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