

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

DRS G2 Commercial Retrofit Downlight Series



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		8" Round
	16W	M 1,600		
	20W	H 2,000		
DRS 10R 18/23/30 G2 FSK	18W	L 1,800		10" Round
	23W	M 2,300		
	30W	H 3,000		

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

ORDERING GUIDE

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

ACCESSORIES

EMH-9W Emergency Driver, 9W

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



EMH-9W



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.

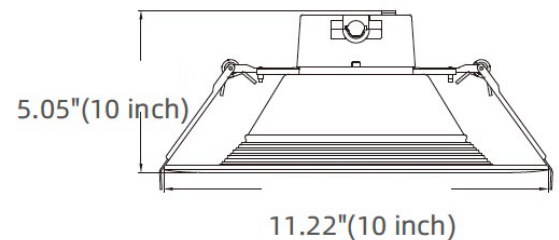
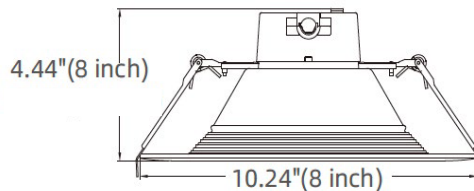
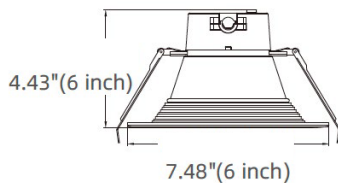
CCT AND CRI

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

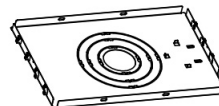
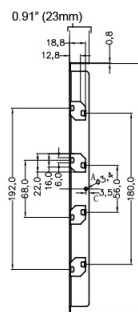
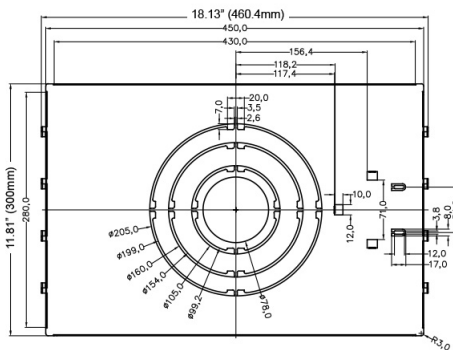
LENS

Frosted polycarbonate lens.

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



EMH-9W



Test Button

Operating Temperature	Input Voltage	Output Voltage	Output Power	Charge Time	Emergency Operation Time
0° to 50°C (32°F to 122°F)	100-277V AC	170V DC	8W Max	24 Hours	≥90 mins

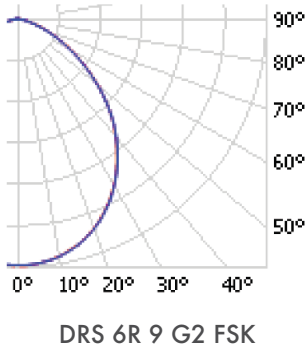
SHIPPING INFORMATION

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

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

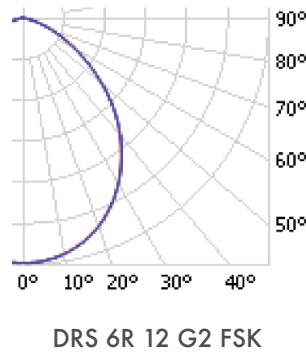
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PHOTOMETRIC DATA



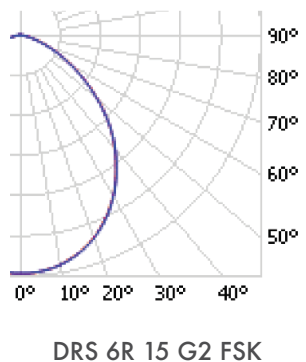
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	303.7	35.7
0-40	480.7	56.6
0-60	761.6	89.6
60-90	88.4	10.4
70-100	23.8	2.8
90-120	0.000	0

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

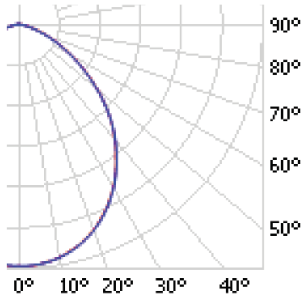
LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	51.3	4.5
10-20	144.8	12.7
20-30	211.3	18.5
30-40	237.4	20.8
40-50	218.2	19.1
50-60	158.6	13.9
60-70	86.7	7.6
70-80	28.3	2.5
80-90	3.6	0.3



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

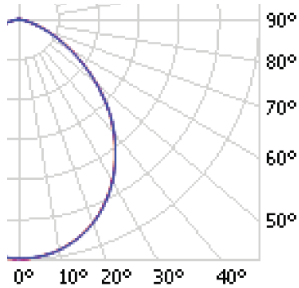
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DRS 8R 12 G2 FSK

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

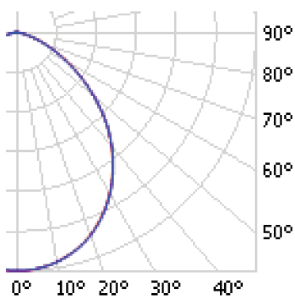
LUMENS PER ZONE		
Zone	Lumens	% Total
0-10	54.0	4.5
10-20	152.4	12.7
20-30	222.4	18.5
30-40	249.9	20.8
40-50	229.6	19.1
50-60	166.9	13.9
60-70	91.3	7.6
70-80	29.8	2.5
80-90	3.8	0.3



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

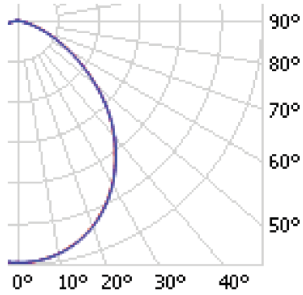


DRS 8R 20 G2 FSK

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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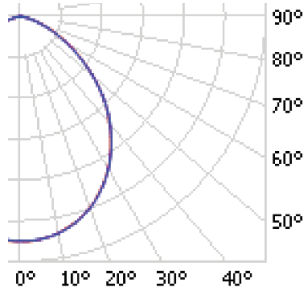
DRS 10R 18 G2 FSK

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



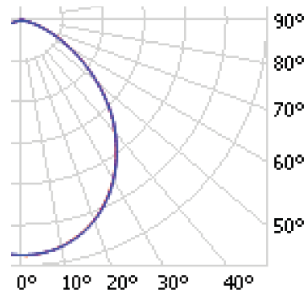
DRS 10R 23 G2 FSK

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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