

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

DC Downlight Commercial G1 Series



DC 6R 27W



DC 8R 18W



DC 10R

The made for customization **DC Commercial Downlight G1 Series** features four lumen packages from 1,624 to 4,884 lumens. This architectural grade light with 54° cut-off provides uniform illumination and enhanced aesthetics. With three trim options available in 6", 8" and 10" deep cone reflectors, easily select and combine to deliver the precise output you desire while creating zones and divisions. This light is ideal for retrofit or new construction applications.

APPLICATIONS

Commercial, Educational, Healthcare, and Retail applications, etc.

REPLACEMENT

36W, 57W, 85W, and 120W CFL



PERFORMANCE INFORMATION

SERIES NUMBER	WATT	LUMENS	CCT	TRIM
DC 6R 15 G1 40K	18W	1,624	4000K	6 in
DC 6R 25 G1 40K	27W	2,366	4000K	6 in
DC 6R 35 G1 40K	40W	3,387	4000K	6 in
DC 8R 15 G1 40K	18W	1,678	4000K	8 in
DC 8R 25 G1 40K	27W	2,471	4000K	8 in
DC 8R 35 G1 40K	40W	3,587	4000K	8 in
DC 8R 45 G1 40K	54W	4,706	4000K	8 in
DC 10R 25 G1 40K	27W	2,300	4000K	10 in
DC 10R 35 G1 40K	40W	2,802	4000K	10 in
DC 10R 45 G1 40K	54W	4,884	4000K	10 in

TRIM SIZE & ACCESSORIES



6" / 8" / 10"



EL UNV-8W-Panel



New Construction Housing

ORDERING GUIDE								
Luminaire Type	Trim Size	Lumen Output	Generation	Voltage	CCT	Reflector	Flange	
DC Downlight Commercial	6R* 6 inch	15 1,624 (18W)	G1	BLANK=120-277V	30K 3000K	BLANK=Haze	BLANK=White	
	8R 8 inch	25 2,366 (27W)						35K 3500K
	10R* 10 inch	35 3,387 (40W)						40K 4000K
		45 4,706 (54W)						

*Not recommended for 18W with 10" Round Trim and 54W with 6" Round Trim.

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 6 in, 8 in, or 10 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 to a junction box or existing frame, New Construction Housing also available.

EFFICACY

Up to 93 lumens per watt (see individual wattage data)

CCT AND CRI

3000K, 3500K, and 4000K CCT available; 85CRI

OPTICS

Bridelux SMD technology focuses beam of light for balanced illumination downwards.

DC 6R provides 52° beam angle

DC 8R provides 54° beam angle

DC 10R provides 58° 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%

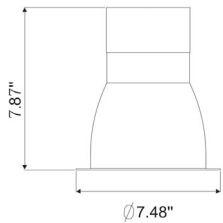
FLANGE FINISH

White finish with Haze Reflector

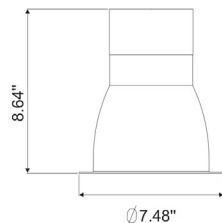
CERTIFICATIONS

UL Listed for damp locations. Energy Star certified.

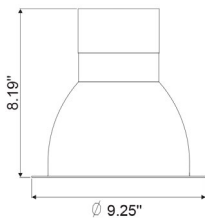
DIMENSIONS



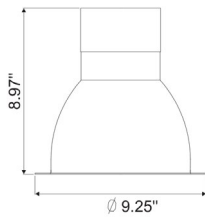
DC 6R 18W & 27W



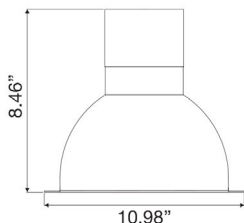
DC 6R 40W



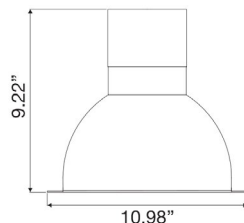
DC 8R 18W, 27W & 40W



DC 8R 54W




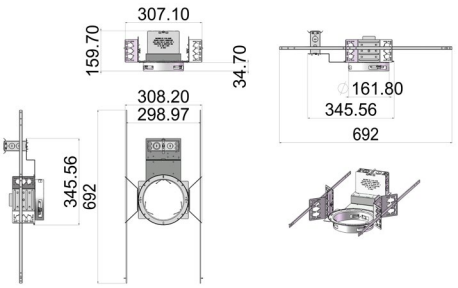

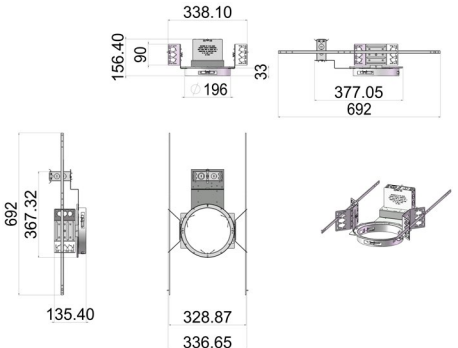
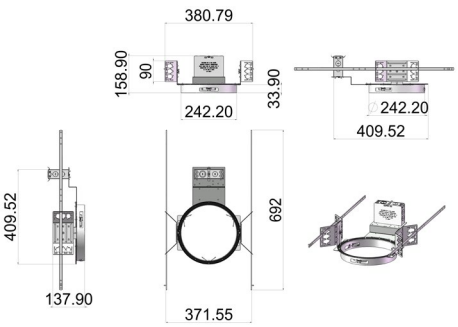
DC 10R 27W & 40W



DC 10R 54W

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ACCESSORIES

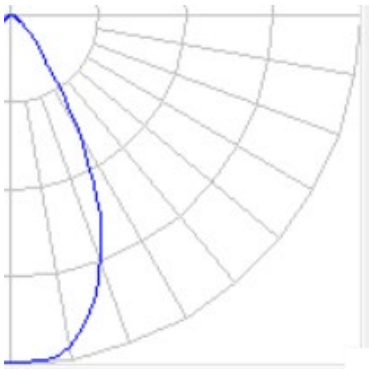
PART NUMBER	DESCRIPTION	IMAGE	DIMENSION
EL UNV-8W-Panel	Emergency Driver 8W		9 1/4" x 1 3/4" x 1.1/4"
DC 6" Housing	6" New Construction Housing		 <p>307.10 159.70 34.70 308.20 298.97 345.56 692 161.80 345.56 692</p>
DC 8" Housing	8" New Construction Housing		 <p>338.10 156.40 90 196 33 377.05 692 692 367.32 135.40 328.87 336.65</p>
DC 10" Housing	10" New Construction Housing		 <p>380.79 158.90 90 242.20 33.90 242.20 409.52 409.52 137.90 692 371.55</p>

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PERFORMANCE DATA

SERIES NUMBER	WATT	LUMENS	EFFICACY
DC 6R 15 G1 40K	18W	1,624	90 lm/W
DC 6R 25 G1 40K	27W	2,366	88 lm/W
DC 6R 35 G1 40K	40W	3,387	85 lm/W
DC 8R 15 G1 40K	18W	1,678	93 lm/W
DC 8R 25 G1 40K	27W	2,471	92 lm/W
DC 8R 35 G1 40K	40W	3,587	90 lm/W
DC 8R 45 G1 40K	54W	4,706	87 lm/W
DC 10R 25 G1 40K	27W	2,300	85 lm/W
DC 10R 35 G1 40K	40W	2,802	70 lm/W
DC 10R 45 G1 40K	54W	4,884	90 lm/W

PHOTOMETRIC DATA



DC 6R 15 G1 40K

Lumens: 1,624 Lumens
 Power: 18W
 Efficacy: 90 lm/W
 Spacing Criteria: 0.86
 Beam Angle: 52°

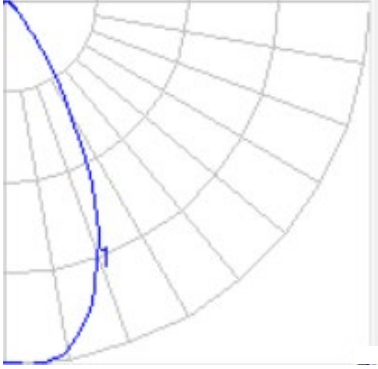
CANDLEPOWER DISTRIBUTION	
Angle (°)	Average (cd)
0	2144
5	2042
15	1820
25	1215
35	382
45	138
55	37
65	12
75	5
85	1
90	0

INITIAL FOOTCANDLES		
Height (ft)	Fc	Diameter (ft)
3	198	3.1
6	49	6.3
9	22	9.5
13	12	12.6
16	8	15.8

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixt
0-30	1215	74.8
0-40	1471	90.6
0-60	1605	98.8
0-90	1624	100

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PHOTOMETRIC DATA



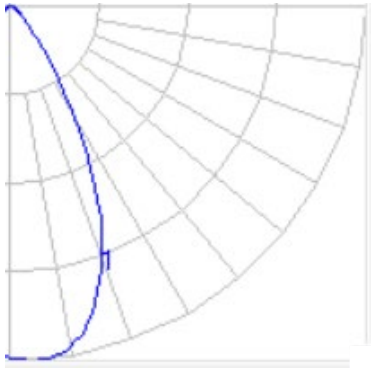
DC 6R 25 G1 40K

Lumens: 2,366 Lumens
 Power: 27W
 Efficacy: 88 lm/W
 Spacing Criteria: 0.86
 Beam Angle: 54°

CANDLEPOWER DISTRIBUTION	
Angle (°)	Average (cd)
0	3094
5	3049
15	2613
25	1705
35	565
45	184
55	50
65	18
75	7
85	1
90	0

INITIAL FOOTCANDLES		
Height (ft)	Fc	Diameter (ft)
3	285	3.1
6	71	6.3
9	31	9.5
13	17	12.6
16	11	15.8

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixt
0-30	1765.77	74.6
0-40	2140.56	90.5
0-60	2338.16	98.8
0-90	2365.6	100



DC 6R 35 G1 40K

Lumens: 3,387 Lumens
 Power: 40W
 Efficacy: 85 lm/W
 Spacing Criteria: 0.86
 Beam Angle: 58°

CANDLEPOWER DISTRIBUTION	
Angle (°)	Average (cd)
0	4364
5	4304
15	3748
25	2444
35	824
45	257
55	71
65	25
75	10
85	1
90	0

INITIAL FOOTCANDLES		
Height (ft)	Fc	Diameter (ft)
3	401	3.1
6	100	6.3
9	45	9.5
13	25	12.6
16	16	15.8

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixt
0-30	2527	74.6
0-40	3071	90.7
0-60	3348	98.8
0-90	3387	100

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