

## LED / LOW VOLTAGE HALOGEN

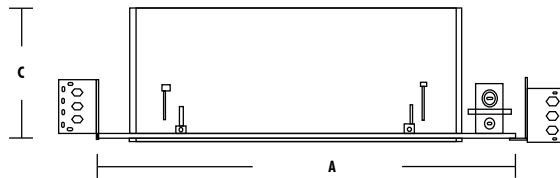
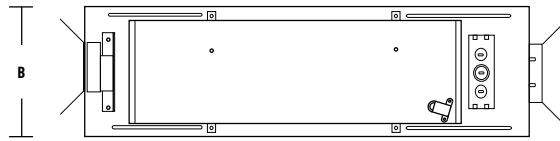
### DL3

**DIMENSIONS (DL32L)**

A: LENGTH	23 5/8"
B: WIDTH	6 7/8"
C: DEPTH	6 9/16"
CEILING CUT-OUT:	9 15/16" X 4 3/4"

**DIMENSIONS (DL33L)**

A: LENGTH	27 3/4"
B: WIDTH	6 7/8"
C: DEPTH	6 9/16"
CEILING CUT-OUT:	14 9/16" X 4 3/4"



**Narrow Spot (10°)**

Distance to Floor	Beam Diameter (50% CBCP)	Foot-candles on Floor
3.0'	5.0'	856
6.0'	1.0'	214
9.0'	1.6'	95
12.0'	2.1'	54
15.0'	2.6'	34

**Narrow Flood (20°)**

Distance to Floor	Beam Diameter (50% CBCP)	Foot-candles on Floor
3.0'	1.1'	422
6.0'	2.1'	106
9.0'	3.2'	47
12.0'	4.2'	26
15.0'	5.3'	17

**Flood (36°)**

Distance to Floor	Beam Diameter (50% CBCP)	Foot-candles on Floor
3.0'	1.9'	178
6.0'	3.9'	44
9.0'	5.8'	20
12.0'	7.8'	11
15.0'	9.7'	7

**Application:** Cylindrical lamp enclosure and sleek unobtrusive design with concealed wiring and hidden hardware.

**Aiming:** Pull Down (67) module offers 85° vertical tilt, 358° horizontal rotation. Gimbal (88) module offers 35° vertical tilt, 358° horizontal rotation. 50,000hrs L70 80+ CRI standard. Pure 90+ CRI available.

**Construction:** Die-cast aluminum heat sink and lamp housing. Laser cut steel flange. Formed steel upper housing and mounting frame. Powder coat paint, available in over 200 finishes.

**Driver:** Electronic Direct Current U.L. Listed driver mounted away from LED Array for cool operation and end-of-life modularity. Comes standard with optional 120V/277V or 347V ELV dimming.

**Halogen Model:** Equipped with Magnetic Transformer.

**Mounting:** Butterfly Brackets accept 1/2" EMT, C Channel, Tbar fasteners and bar hangers. Four tabs on housing for securing to structure.

**Junction Box:** Junction Box is listed for through branch wiring, 6 #12 90°C supply conductors or 60°C for end of run. The fixture is also UL listed as 'access above ceiling is not required'.

**Labels:** ETL Listed to UL Standard (pending) for non-type IC applications, suitable for use in damp locations.

**Warranty:** Complete 5 year warranty. Contact factory for details.

**Halogen Ordering Guide:**

Example: DL33V-67-50-120

Ordering	LAMPING	AIMING	WATTAGE	VOLTAGE	FINISH
DL3	2V :2 Lamp 3V :3 Lamp	-67 :Pull Down -88 :Gimbal	-50 :50W	-120 :120V -277 :277V	-B :Black -W :White -CC :Custom Color

**LED Ordering Guide:**

Example: DL32L-67-12-27K-NFL-B

Ordering	LAMPING	AIMING	WATTAGE	COLOR TEMP	BEAM SPREAD	VOLTAGE	FINISH
DL3	2L :2 Lamp 3L :3 Lamp	-67 :Pull Down -88 :Gimbal	-12 :12W (617Lm)	-27K :2700K -30K :3000K -40K :4000K	SP :10° NFL :20° FL :36°	Blank :120V -277: 227V UD :120/277V Dimming 34D :347V Dimming	-B :Black -W :White -CC :Custom Color

2014.02.19

Lamp: (1)LED  
 Total Rated Fixture Lumen :617.44  
 Total Luminaire Efficacy :51.20 Lm/W  
 Luminous Diameter :3.25"

LM79 Report File #L08121604  
 By: Lighting Sciences Inc.  
 DL32L-12-31K-FL

## LED DETAILS

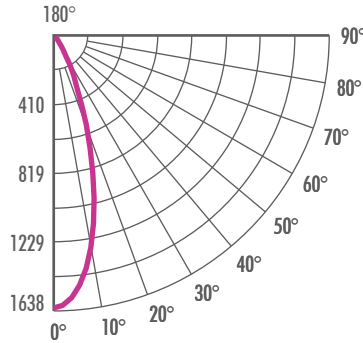
### Light Source Specification

Color Rendering Index (CRI): 84.19  
 Color Temperature: 3,072K  
 Estimated Life: 50,000+ hrs. - L70  
 Lamp Equivalents: 50W MR16, PAR20, PAR30, 75W A19

## INTENSITY (CANDLEPOWER) SUMMARY

### IN 2.5 DEGREE STEPS

Angle	Luminance
0	1638.36
2	1623.50
4	1579.66
6	1508.16
8	1412.20
10	1294.86
12	1157.95
14	1013.53
16	864.41
18	720.40
20	577.23
22	457.50
24	355.56
26	277.29
28	208.45
30	154.83
32	114.97
34	86.90
36	65.21
38	47.21
40	34.63
42	26.82
44	21.39
46	17.55
48	14.61
50	12.49
52	10.57
54	8.76
56	6.89
58	4.82
60	2.94
62	1.49
64	0.94
66	0.74
68	0.61
70	0.49
72	0.40
74	0.33
76	0.28
78	0.23
80	0.19
82	0.15
84	0.12
86	0.10
88	0.08
90	0.00



## ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 20	394.92	64.00
0 - 30	543.24	88.00
0 - 40	593.17	96.10
0 - 60	615.91	99.80
0 - 90	617.44	100.00
10 - 90	477.84	77.40
20 - 40	198.25	32.10
20 - 50	214.12	34.70
40 - 70	23.82	3.90

## MULTIPLIERS

### REFLECTOR FINISHES

Black	0.70
White	0.87
Satin	0.90
Clear	1.00

## LUMINANCE SUMMARY

### CD./SQ.M (FOOTLAMBERTS)

Angle	Avg. 0-Deg.	Avg. 45-Deg.	Avg. 90-Deg.
45	13045	13045	13045
55	6464	6464	6464
65	942	942	942
75	558	558	558
85	598	598	598

## ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.60
10-20	255.32
20-30	148.32
30-40	49.93
40-50	15.87
50-60	6.87
60-70	1.08
70-80	0.33
80-90	0.12
90-100	0.00