



DCL

Mission-Critical Illumination | BAA/BABA Compliant | Union Made in the USA



Optimized Illumination for Data Centers

Designed for mission-critical environments, the LAMAR LED DCL delivers powerful, uniform illumination tailored to data center applications. Its durable aluminum construction and IP55-rated design ensure superior dust resistance and thermal performance, while multiple sensor and control options enable energy-efficient operation without compromising reliability.

Features and Specifications

Construction:

- Durable aluminum bodies for maximum thermal management
- 50°C maximum ambient operating temperature†
- Available 4' & 8' sizes (nominal)

Power:

- Low-, medium-, high-, and very high-power options
- Very high-power option/high efficacy to 166 lm/W available
- Custom driver tuning available for specific lumen requirements

Driver:

- Universal voltage 120-277V standard
- 0-10V 1% dimming or Lutron dimming optional
- Optional emergency backup available, including BABA Compliant (EMB) and high lumen (EMH)
- 2-circuit wiring available (High or Very High power only)

Mounting Options:

- Surface mount on ceiling; suspended mount with optional aircraft cable. Rigid stem mount or chain mount (by others)
- Mount individually or in continuous rows
- Aligner clips are available to keep reflectors aligned in continuous row applications

Size	Power	Lumens	Watts	Efficacy lm/W
4'	Low	3,540	22	161
	Medium	5,536	34.3	161
	High	7,080	42.6	166
	Very High	13,612	82	166
8'	Low	7,080	44	161
	Medium	11,018	68.6	161
	High	14,160	85.2	166
	Very High	27,303	164	166

Above performance based on 80 CRI at 5000K

The multiplier for 4000K is .99757.

†50°C maximum ambient operating temperature up to 7,080 lu max for 4' and 14,160 lu max for 8'. Consult factory for max ambient operating temperature for higher lumen outputs.

Controls:

- Standalone PIR aisle sensor available

Warranty:

- 5-year standard warranty
- 10-year warranty available

Listings and Ratings:

- All electrical components are UL Certified, and Union-made in the USA
- Meets Buy America Act (BAA), BABA Compliant
- IP55-rated for dust



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Ordering Matrix

Ordering Matrix Example

DCL-48-M-8030-DTD-PIR-EM

Series	Size	Power	CRI/CCT	Driver	Controls	Options
DCL	—	—	—	—	—	—
Series	Size	Power	CRI/CCT	Driver		
DCL = Data Center Luminaire	48 = 4' nominal 96 = 8' nominal	4' L = Low (3540 Lu / 22W) M = Medium (5536 Lu / 34.3W) H = High (7080 Lu / 42.6W) VH = Very High (13612 Lu / 82W) 8' L = Low (7080 Lu / 44W) M = Medium (11018 Lu / 68.6W) H = High (14160 Lu / 85.2W) VH = Very High (27303 Lu / 164W)	30 = 80 CRI / 3000K 35 = 80 CRI / 3500K 40 = 80 CRI / 4000K 45 = 80 CRI / 4500K 930 = 90 CRI / 3000K 935 = 90 CRI / 3500K 940 = 90 CRI / 4000K 950 = 90 CRI / 5000K 0	D = 0-10V dimming to 1% DTD = 0-10V Dim to Dark LDH = Lutron EcoSystem Hi-lume digital 1% w/Fade to Black MX1 = 2-wire 120V 5% phase cut dimming MX2 = 2-wire 277V 5% phase cut dimming BTM = Bluetooth mesh BT = Bluetooth programming		
	Controls	Options	Accessories (Order Separately)			
PIR = Passive Infrared Sensor		EM = Emergency pack >90 min., >500 lumens (higher output & run time available - consult factory) EMB = BABA Compliant Emergency pack >90 min., >500 lumens EMH = High Lumen Emergency pack 2C = 2-circuit wiring (High or Very High power only)		VH =V-hanger for chain mounting AL =Aligner clips (Standard for 8' units)		

Consult factory for additional
options not shown or listed.

Correlated Color Temperatures (CCTs) fall within the nominal range per ANSI C78.377A
Specifications subject to change without notice - Rev 0326

Project Information:

Job Name: _____ Date: _____

Catalog #: _____ Fixture Type: _____

Comments: _____





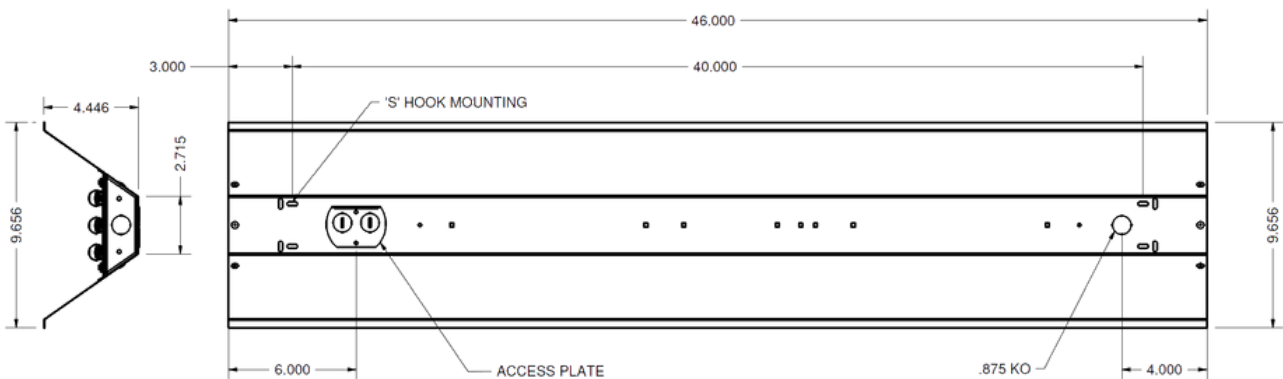
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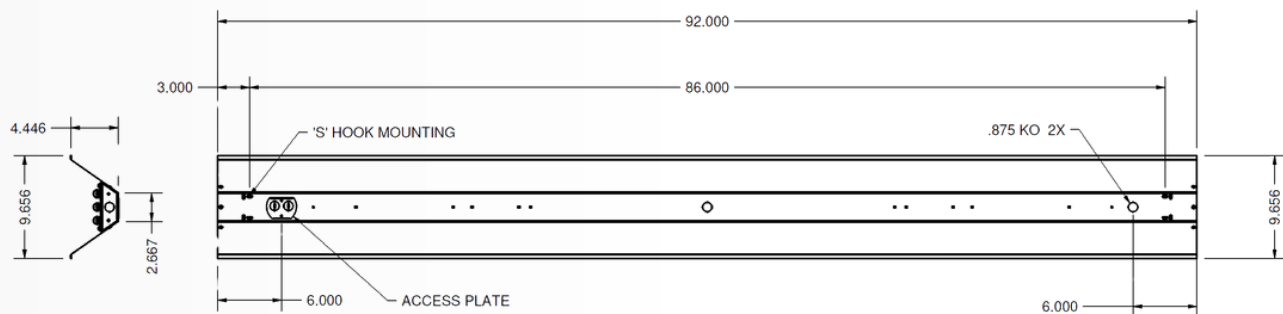


Features and Specifications

DCL 4' Fixture Dimensions:



DCL 8' Fixture Dimensions:





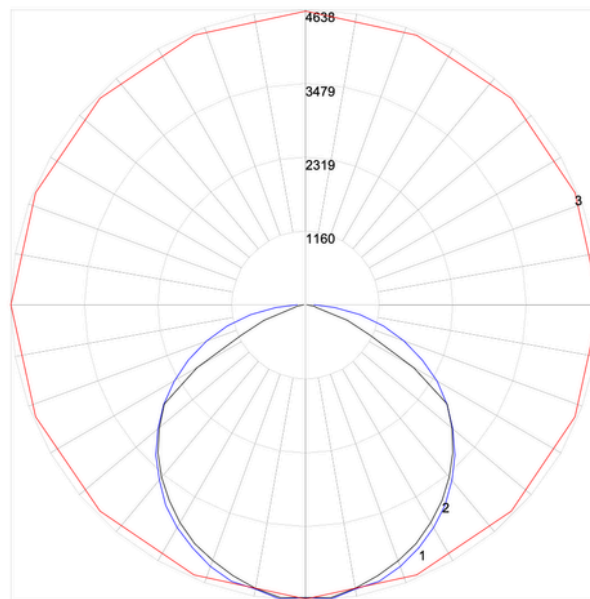
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Features and Specifications

Performance DCL 4' Very High Output



Maximum Candela = 4638.09 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1690.41	N.A.	12.40
0-30	3608.05	N.A.	26.50
0-40	5969.17	N.A.	43.90
0-60	10905.76	N.A.	80.10
0-80	13399.55	N.A.	98.40
0-90	13611.50	N.A.	100.00
10-90	13175.00	N.A.	98.80
20-40	4278.76	N.A.	31.40
20-50	6814.43	N.A.	50.10
40-70	2493.79	N.A.	48.80
60-80	783.39	N.A.	18.30
70-80	211.96	N.A.	5.80
80-90	0.00	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	13611.50	N.A.	100.00

Total Luminaire efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	436.51
10-20	1253.91
20-30	1917.64
30-40	2361.12
40-50	2535.67
50-60	2400.92
60-70	1710.39
70-80	783.39
80-90	211.96
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00