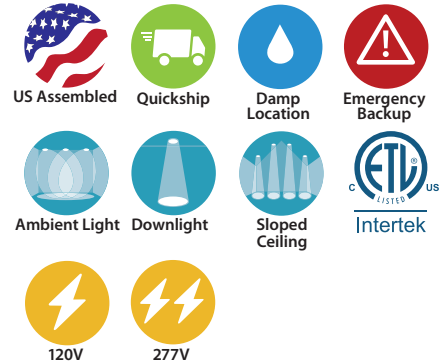
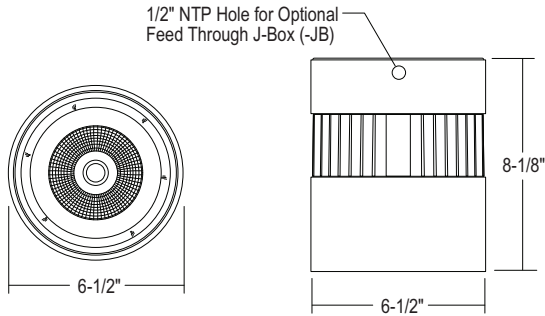


LCALD6 : 6" LUMEN CANNON

PENDANT/ CEILING MOUNT 1100LM - 6000LM (10W-58W)



- 120V/277V Input Standard, 347V Available
- Exclusive UniDim™ Universal LED Dimming Option Works with 0-10V, ELV and Incandescent Controls
- 1% Dimming available with 120VAC, 0-10V, DALI, DMX AND Lutron Ecosystem
- Uplight Option with 120° Beam Spread
- Wide spectrum of Color Temperatures
- Sturdy Steel Fixture Housing, <8lbs
- Pendant mounting available for flat and sloped ceilings

ORDERING : LCALD6W101-LU10-B30UE-DUN-C90

LCALD6

Fixture	Finish	Lumens	Uplight	Beam Spread	Dimming	CCT	Options
Finish		Uplight		Dimming		CCT⁵	
All Black	B	None	Blank	Non-Dimming	Blank	3000K (80 CRI)	Blank
All White	W	Up to 905lm, 11W (90 CRI)	-LU10⁴	120V Triac/ELV	-DIN	3000K (90 CRI)	-C90³
Silver/Black Fins	S	Beam Spread		120V Triac/ELV 1% Dimming	-DINP1	3000K (97 CRI)	-C97
Dark Gray/Black Fins	DG	Flood	Blank	0-10V Dimming (120V/277V)	UE-D10	2700K (80 CRI)	-T27
Lumens¹		10° Spot	-B10	0-10V, 1% Dimming (120V/277V)	UE-D10P1²	2700K (90 CRI)	-T27-C90
1100lm (10W)	101	30° Narrow	-B30	UniDim™ 0-10V, ELV and Triac Dimming	UE-DUN²	2700K (97 CRI)	-T27-C97
1500lm (15W)	151	70° Wide	-B70	DMX 0.1% Dimming	UE-DMX	3500K (80 CRI)	-T35
2100lm (20W)	210	Wall Wash	-BWW	DALI Dimming	UE-DLI²	3500K (90 CRI)	-T35-C90³
2900lm (30W)	320			Hi-lume 1% Dimming	UE-DHL^{2,3}	4000K (80 CRI)	-T40
3700lm (38W)	350			Ecosystem 5% Dimming	UE-DEC^{2,3}	4000K (90 CRI)	-T40-C90³
4300lm (44W)	450					5000K (80 CRI)	-T50
6000lm (58W)	550					Options	
						None	Blank
						Frosted Lens	-FR
						Louver	-LVR
						Feed Through J-Box	-JB
						Surface Mount J-Box	-JBS

¹ Lumens are nominal delivered lumens. See Photometry page for exact values.

² Special Order. Minimum order quantity (MOQ), extended lead time may apply. Consult Factory.

³ (UE-DEC) & (UE-DHL) not available for (550) lumen package.

⁴ Uplight is for pendant option and is Triac/ELV dimming only. Only available in 3000K, 3500K, 4000K 90 CRI.

Uplight to match corresponding downlight color temperature.

⁵ (1) Blank: 3000K, 80CRI not available with (350) or (450) lumen package. (2) -T27: 2700K, 80CRI not available with (101), (151), (210) or (320).

(3) -T27-C97: 2700K, 97CRI not available with (550). (4) -T35: 3500K, 80CRI not available with (350), (450), or (550).

(5) -T40: 4000K, 80CRI not available with (550).

347 Input with 0-10V available. Consult Factory for details and lead time.

EnergyEfficient Chip-On-Board (COB) Singular LED Light source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED source products.

Binned with 3-Step MacAdam Ellipses as recommended by Ansi Standard. Available in 2700k, 3000k, 3500k, 4000k, 5000k.

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

MOUNTING ACCESSORIES

LPCMC6/LPCMCJ6
Cable Extension Kit
for flat or sloped ceilings



LPCMC/LPCMJ6
Pendant Accessory
for flat or sloped ceilings



LPCMQ6
Square Ceiling
Adapter



LPCMC-CLAMP
Clamp Mount



LPCMC-HUB
Thread Hub
for pipe mounting



See p. 5 for ordering and more detailed information on Mounting Accessories.

SPECIFICATION

Application

Architectural-grade surface mount LED downlight housing for medium to high ceilings combines energy efficiency with powerful lumen output. Perfect for atriums, churches, lobbies, and airports that have high ceilings.

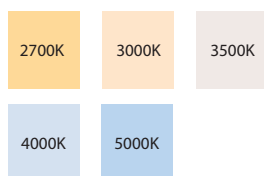
Housing

Stamped steel with die-cast aluminum heat sink. Weighs less than 8lb.

Mounting

Universal mounting hardware allows mounting to all standard electrical junction boxes. Optional 6" to 48" Stem, 120" Pendant Cable and other accessories are also available. Consult Factory for custom lengths.

Color Temperature (CCT)



Available in:
3000K, 3500K, 4000K, 5000K (80 CRI)
2700K, 3000K, 3500K, 4000k (90 CRI)
2700K, 3000K (97 CRI)

Thermal Management

Heat dissipation facilitated by exposed integral aluminum black heat sink to maximize heat rejection in an open air environment. Strongly Recommended ambient temperature is below 35°C to achieve minimum L70 life of 50,000 hours according to LM80 standard.

Reflector

Multifaceted Specular Reflector.

Optics

Beam Spread - Standard 40° Flood. Also available in B50 - 50° Flood, B70 - 70° Wide Flood, and BWW - Wall Wash.

Finish



High-quality powder coat finish for maximum durability. Available in all Black (B), all White (W), Dark Gray with Black Fins (DG). Consult factory for Custom Color.

Certifications and Listings



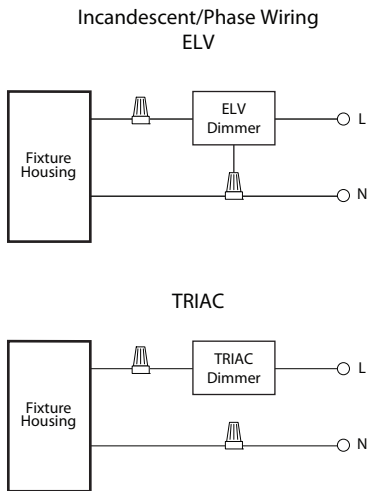
ETL/cETL listed to UL1598 and UL8750. Suitable for dry locations.
NYC approved: Calendar #41937. For Wet Location, see DL series.
Assembled in USA.

SPECIFICATION (Continued)

Dimming Options

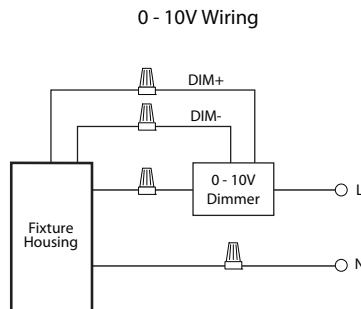
ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.



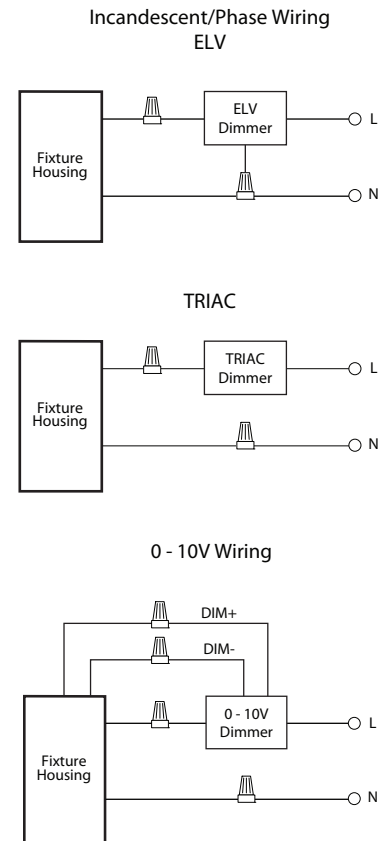
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.



UniDim™ Driver 120V/277V (UE-DUN):

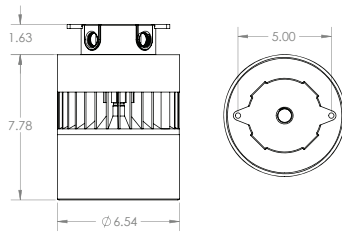
All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.



SPECIFICATION (Continued)**Caution**

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Junction Box



Factory made 1/2" NPT HOLE for Optional Feed Through J-Box (-JB).

Junction Box mounted on top of fixture to allow multiple conduit entry and surface mounting (-JBS).

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60°C. Doing so will result in reduced lamp life and voided warranty.

Quick Ship Items

UE-DUN, UE-D10 and -DIN are only dimming options available for quick ship.
101, 151, 210, 320 are only lumen packages available for quick ship.

Emergency Options

For LCALD6 with Integral Emergency-Backup, see LCALD6EM on www.liton.com.
Consult Factory for Remote Emergency-Backup Options and Compatibility.

Mounting Accessories

ORDERING : LPCM12W

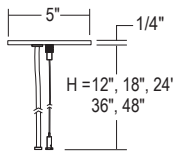
Ordering Fixture Finish Options

Mounts to standard electrical J-Box. Field adjustable.
4-Wire electrical cable for dimming and non-dimming
installations. Aircraft-grade cable.

Cable Extension Kit

Ordering		Fixture Finish		Options	
72"	LPCM672	White	W	None	Blank
120"	LPCMJC6120	Black	B	2-Circuit	-2CCT
250"	LPCMJC6250			Wall Plug Adapter	-PI

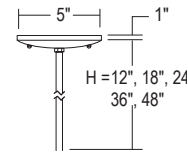
5° Max Slope Ceiling



Mounts to standard electrical J-Box.

Pendant Accessory for Flat Ceilings

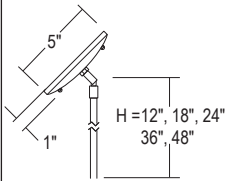
Ordering		Fixture Finish		Options	
12" Extension	LPCM612	White	W	None	Blank
18" Extension	LPCM618	Black	B	2-Circuit	-2CCT
24" Extension	LPCM624	Natural	N	Wall Plug Adapter	-PI
36" Extension	LPCM636				
48" Extension	LPCM648				



Mounts to standard electrical J-Box.

Pendant Accessory for Sloped Ceilings

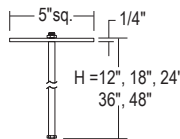
Ordering		Fixture Finish	
12" Extension	LPCMJ612	White	W
18" Extension	LPCMJ618	Black	B
24" Extension	LPCMJ624	Natural	N
36" Extension	LPCMJ636		
48" Extension	LPCMJ648		



Mounts to standard electrical J-Box.

Square Ceiling Adapter

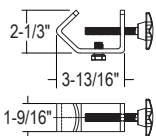
Ordering		Fixture Finish	
12" Extension	LPCMQ612	White	W
18" Extension	LPCMQ618	Black	B
24" Extension	LPCMQ624		
36" Extension	LPCMQ636		
48" Extension	LPCMQ648		



Mounts to Piping and Truss systems up to 2" side. Power
Cable not Included. Consult factory for wiring options.

Clamp Mount

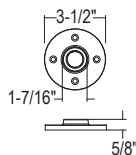
Ordering	
White	LPCM-CLAMPW
Black	LPCM-CLAMPB



Thread Hub for Pipe Mounting for LCALD4 and LCALD6.

Thread Hub for Pipe Mounting

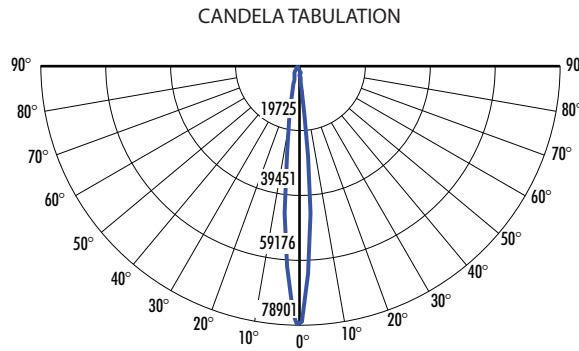
Ordering	
1/2"	LPCM-HUB-1/2
3/4"	LPCM-HUB-3/4
1"	LPCM-HUB-1



PHOTOMETRY

LCALD6W550-B10-T40 (6000LM, 10° Spot, 4000K)

System Power:	61W	MULTIPLIERS
Test Date:	4/2024	CCT MULTIPLIERS
Beam Angle 50%:	11.2°	4000K: 1.00
Field Angle 10%:	22.4°	3500K: 0.96
Color Temperature:	4132K	3000K: 0.94
CRI :	92.0	2700K: 0.88
R9 Value:	67.0	LUMEN MULTIPLIERS
Lumens Delivered:	6117	6000lm: 1.00
CBCP:	78901	4300lm: 0.72
Power Factor:	>0.9	3700lm: 0.62
		2900lm: 0.48
		2100lm: 0.35
		1500lm: 0.25
		1100lm: 0.18
		CRI MULTIPLIERS
		97CRI: 0.86
		90CRI: 1.00
		80CRI: 1.08
		OPTION MULTIPLIER
		Frosted Lens 0.75
		(-FR):
		Louver (-LVR): 0.85

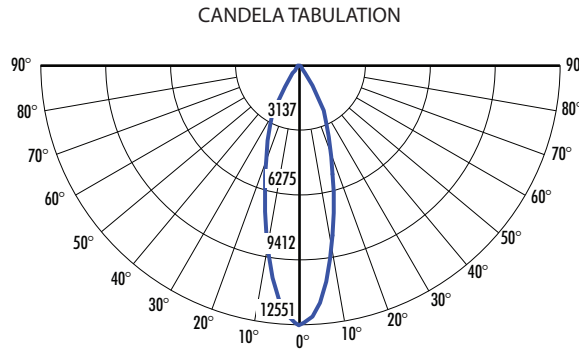


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	2.0'	832.9
20.0'	3.9'	208.2
30.0'	11.9'	92.54
40.0'	15.8'	52.06
91.0'	25.6'	10.06

LCALD6W550-B30-T40 (6000lm, 30° Narrow, 4000K)

System Power:	61W	MULTIPLIERS
Test Date:	4/2024	CCT MULTIPLIERS
Beam Angle 50%:	30.3°	4000K: 1.00
Field Angle 10%:	65.7°	3500K: 0.96
Color Temperature:	4132K	3000K: 0.94
CRI :	92.0	2700K: 0.88
R9 Value:	66.0	LUMEN MULTIPLIERS
Lumens Delivered:	5550	6000lm: 1.00
CBCP:	12551	4300lm: 0.72
Power Factor:	>0.9	3700lm: 0.62
		2900lm: 0.48
		2100lm: 0.35
		1500lm: 0.25
		1100lm: 0.18
		CRI MULTIPLIERS
		97CRI: 0.86
		90CRI: 1.00
		80CRI: 1.08
		OPTION MULTIPLIER
		Frosted Lens 0.75
		(-FR):
		Louver (-LVR): 0.85

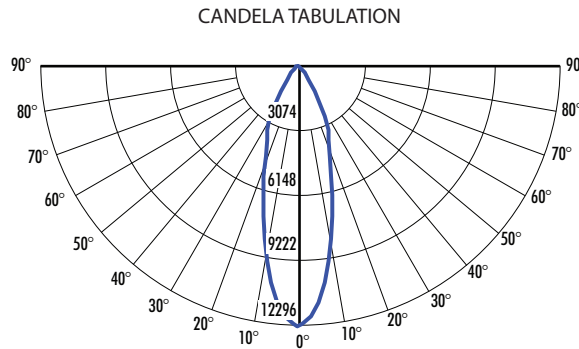


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	5.4'	132.49
15.0'	8.1'	58.88
20.0'	10.8'	33.12
25.0'	13.5'	21.20
36.0'	19.5'	10.22

LCALD6W550-T40 (6000lm, Flood, 4000K)

System Power:	61W	MULTIPLIERS
Test Date:	4/2024	CCT MULTIPLIERS
Beam Angle 50%:	30.7°	4000K: 1.00
Field Angle 10%:	69.0°	3500K: 0.96
Color Temperature:	4132K	3000K: 0.94
CRI :	92.0	2700K: 0.88
R9 Value:	65.0	LUMEN MULTIPLIERS
Lumens Delivered:	5767	6000lm: 1.00
CBCP:	12296	4300lm: 0.72
Power Factor:	>0.9	3700lm: 0.62
		2900lm: 0.48
		2100lm: 0.35
		1500lm: 0.25
		1100lm: 0.18
		CRI MULTIPLIERS
		97CRI: 0.86
		90CRI: 1.00
		80CRI: 1.08
		OPTION MULTIPLIER
		Frosted Lens 0.75
		(-FR):
		Louver (-LVR): 0.85

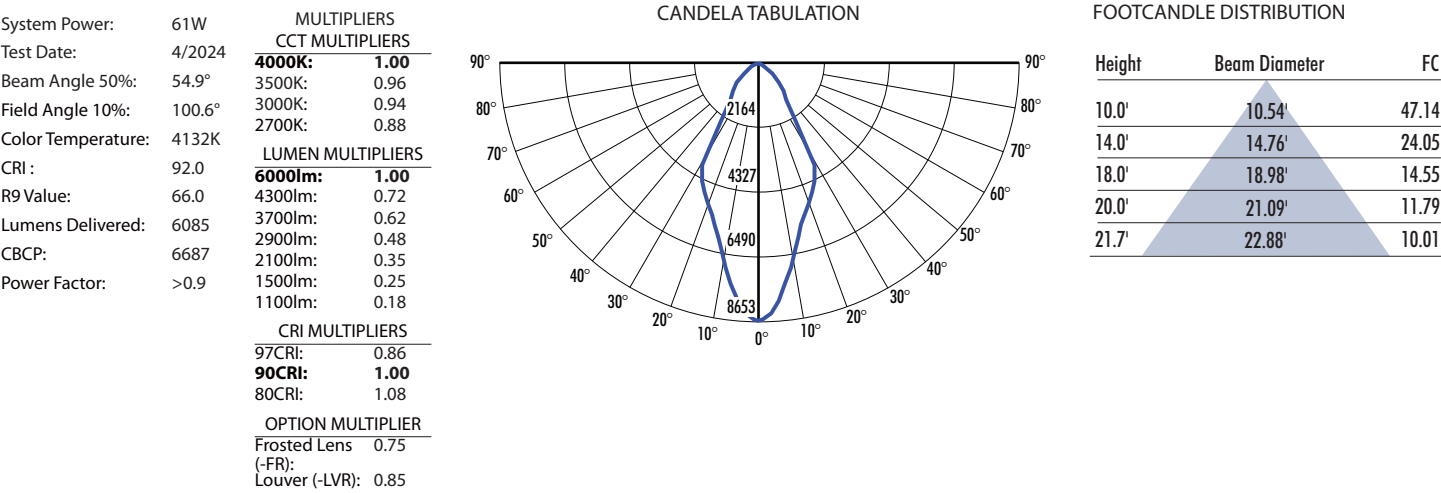


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	5.49'	129.80
16.0'	8.78'	50.70
22.0'	12.08'	26.82
28.0'	15.37'	16.56
36.0'	19.76'	10.02

PHOTOMETRY (Continued)

LCALD6W550-B70-T40 (6000lm, 70° Wide, 4000K)



LCALD6W550-BWW-T40 (6000lm, Wall Wash, 4000K)

