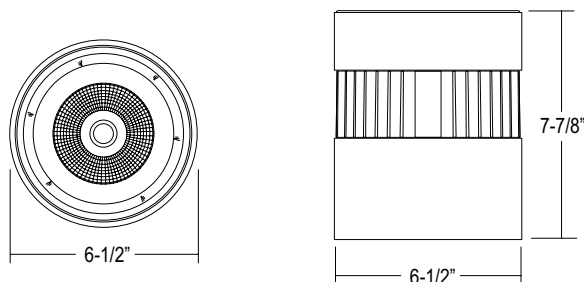


LCALD6 - 6" LUMEN CANNON LED SURFACE MOUNT ARCHITECTURAL DOWNLIGHT

1100lm/24.5W | 1500lm/30.3W | 2600lm/29W | 3700lm/43.6W | 4300lm/42.5W | 6000lm/62.3W

- 120V/277V Input Standard, 347V Available****
- Exclusive UniDim™ Universal LED Dimming Option Works with 0-10V, ELV and Incandescent Controls
- Smart DALI, DMX and 0-10V 1% Dimming
- Pendant Mount for Flat/Sloped Ceilings
- LWMLD6 Wall Mount Version also Available



ORDERING – Example: LCALD6W101-DINP1-T27



LCALD6

Fixture

Finish

Lumen

Beam
Spread

Dimming

Color
Temperature

Optionse

Finish

All Black	B
All White	W
Silver/Black Fins	S

Lumen***

1100lm	101
1500lm	151
2600lm	320
3700lm	350
4300lm	450
6000lm	550

Beam Spread

Flood	Blank
10 degree Spot*	-B10
25 degree Narrow	-B25
30 degree Narrow*	-B30
70 degree Wide*	-B70

Dimming

Non-Dimming	Blank
UniDim™**	-DUN
0-10V, 1% Dimming	-D10P1
DMX 0% Dimming	-DMX
DALI Dimming	-DLI
2-Wire 1% Dimming (120V)*	-DINP1
0-10V 10% Dimming	-D10
Hilume 1% Dimming	-DHL
Ecosystem 5% Dimming	-DEC

Color Temperature

3000K	Blank
3000K, 90 CRI	-C90
3000K, 97 CRI	-C97
1700K****	-T17
2500K****	-T25
2700K	-T27
2700K, 90 CRI	-T27-C90
2700K, 97 CRI	-T27-C97
3500K	-T35
4000K	-T40

Options

None	Blank
Frosted Lens	-FR

* Not available for 1100lm/1500lm. **UniDim™ not available for 6000lm. ***Nominal delivered lumens, see photometry page for exact values.
**** Extended lead time may apply. Consult factory.



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1100lm/24.5W | 1500lm/30.3W | 2600lm/29W | 3700lm/43.6W | 4300lm/42.5W | 6000lm/62.3W

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.

Mounting - Universal mounting hardware allows mounting to all standard electrical junction boxes. Optional pendant cable and wall mount assemblies available. Weighs less than 4lb..

Reflector

Multifaceted Specular Reflector.

Optics

LED Light Engine - COB (Chip on Board) Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Lumens - Available in 1100lm, 1500lm, 2600lm, 3700lm, 4300lm and 6000lm.

Color Temperature - Available in 3000K, 3000K 90 CRI, 3000K 97 CRI, 1700K, 2500K, 2700K, 2700K 90+ CRI, 2700K 97CRI, 3500K, 4000K. 1100Lm & 1500Lm fixtures come with 90 CRI Standard. All other lumen packages come with 80 CRI Standard. For 90 CRI, use -C90.

Beam Spread - Standard Flood.

Also available in B10 - 10° Spot, B25- 25° Narrow, B30 - 30° Narrow, B70 - 70° Wide.

Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Electrical Components

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

Driver - 120V/277V AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted on large access Junction Box. Power Factor > 0.90. Operating Temperature: -10°C to +80°C. Accessible from above or below ceiling. Consult Factory for dimming options and compatible dimmers.

Dimming - 0-10V dimming option (-D10) works with most 5-Wire 0-10V dimmers. Available with 1% Deep Dimming option (-D10P1). Factory qualified for use with Leviton IP710-DLX and Lutron NTFTV-WH.

The Lutron Hi-Lume (-DHL) and Ecosystem (-DEC) dimming options designed for use with LUTRON Ecosystem Controls. Uni-Dim™ dimming option (-DUN) is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

DMX dimming option (-DMX) dims down to 0%. DMX in/out ports via RJ45 connector.

Finishes

High quality powder coat finish for maximum durability. Available in all Black, all White, Silver with Black Fins. Consult factory for Custom Color.

Certifications and Listings

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

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.

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.

Energy Star Qualified Items

- LCALD6X320-DUN-T35
- LCALD6X320-DUN-T30
- LCALD6X320-DUN-T40
- LCALD6X350-DUN-T35
- LCALD6X350-DUN-T30
- LCALD6X350-DUN-T40

Quick Ship Items

- -DUN is the only dimming option available for quickship
- 101, -B10, -B30, -B70, -T27, -T35 not available for Quickship.



Mounting Accessories

ORDERING – Example: LPCM12W

Ordering

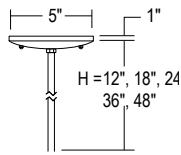
Fixture Finish

Options

Mounts to standard electrical J-Box.

Pendant Accessory for Flat Ceilings

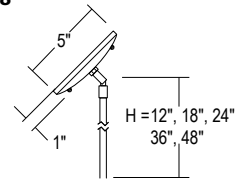
Ordering	Fixture Finish	Options
12" Extension LPCM12	White W	None Blank
18" Extension LPCM18	Black B	2-Circuit -2CCT
24" Extension LPCM24	Natural N	Wall Plug -PI
36" Extension LPCM36		Adapter
48" Extension LPCM48		



Mounts to standard electrical J-Box.

Pendant Accessory for Sloped Ceilings

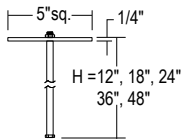
Ordering	Fixture Finish
12" Extension LPCMJ12	White W
18" Extension LPCMJ18	Black B
24" Extension LPCMJ24	Natural N
36" Extension LPCMJ36	
48" Extension LPCMJ48	



Mounts to standard electrical J-Box.

Square Ceiling Adapter

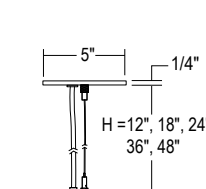
Ordering	Fixture Finish
12" Extension LPCMQ12	White W
18" Extension LPCMQ18	Black B
24" Extension LPCMQ24	
36" Extension LPCMQ36	
48" Extension LPCMQ48	



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

Cable Extension Kit

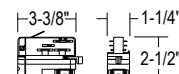
Ordering	Fixture Finish
72" Max LPCMC72	White W
120" Max LPCMCJ120	Black B



Mounts to LITON 3C/1M Multi-circuit Architectural Track for easy installation.

Track Mount for 6" Lumen Cannon

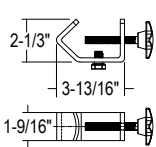
Ordering
White LPTM6W-3C1N
Black LPTM6B-3C1N



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

Clamp Mount

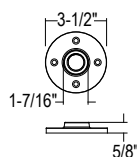
Ordering
White LPCMC-CLAMPW
Black LPCMC-CLAMPB



Thread Hub for Pipe Mounting for LCALD4 and LCALD6.

Thread Hub for Pipe Mounting

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

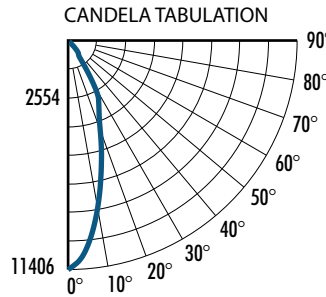


PHOTOMETRY

LUMEN PACKAGE	101	151	320	350	450	550
NOMINAL LUMENS	1100lm	1500lm	2600lm	3700lm	4300lm	6000lm
SYSTEM POWER	24.5W	30.3W	29.0W	43.6W	42.5W	62.3W

LCALD6550-T40, 6000lm, Flood, 4000K

System Power:	62.3W	MULTIPLIERS	
Test Date:	6/2016	3500K:	0.99
Beam Angle 50%:	33.6°	3000K:	0.97
Field Angle 10%:	67.6°	2700K:	0.95
Color Temperature:	4,000K	LUMEN MULTIPLIERS	
CRI :	80.0	4300lm:	0.79
R9 Value:	33.0	3700lm:	0.61
Lumens Delivered:	6576lm	2600lm:	0.47
CBCP:	41185cd		
Power Factor:	>0.9		

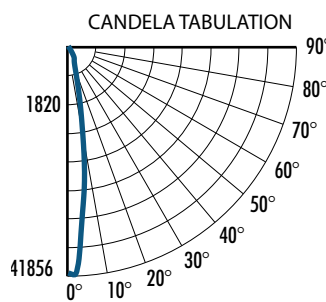


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10'	6.0'	114.1
16'	9.7'	44.6
22'	13.3'	23.6
28'	16.9'	14.5
33.7'	20.3'	10.0

LCALD6550-B10-T40, 6000lm, 10° Spot, 4000K

System Power:	63.2W	MULTIPLIERS	
Test Date:	7/2016	3500K:	0.99
Beam Angle 50%:	16.4°	3000K:	0.97
Field Angle 10%:	36.6°	2700K:	0.95
Color Temperature:	4,000K	LUMEN MULTIPLIERS	
CRI :	80.0	4300lm:	0.79
R9 Value:	33.0	3700lm:	0.61
Lumens Delivered:	6576lm	2600lm:	0.47
CBCP:	41185cd		
Power Factor:	>0.9		

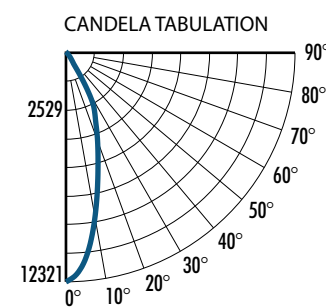


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10'	2.9'	418.6
20'	5.9'	104.6
30'	8.6'	46.5
40'	11.5'	26.2
64.7'	18.6'	10.0

LCALD6550-B30-T40, 6000lm, 30° Narrow, 4000K

System Power:	63.0W	MULTIPLIERS	
Test Date:	7/2016	3500K:	0.99
Beam Angle 50%:	33.6°	3000K:	0.97
Field Angle 10%:	66.7°	2700K:	0.95
Color Temperature:	4,000K	LUMEN MULTIPLIERS	
CRI :	80.0	4300lm:	0.81
R9 Value:	33.0	3700lm:	0.61
Lumens Delivered:	6080lm	2600lm:	0.46
CBCP:	12321cd		
Power Factor:	>0.9		

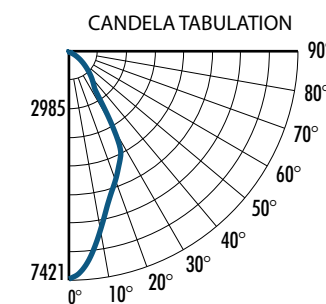


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10'	6.0'	123.2
15'	9.1'	54.8
20'	12.1'	30.8
25'	15.1'	19.7
35'	21.1'	10.1

LCALD6550-B70-T40, 6000lm, 70° Wide, 4000K

System Power:	62.2W	MULTIPLIERS	
Test Date:	7/2016	3500K:	0.99
Beam Angle 50%:	54.5°	3000K:	0.97
Field Angle 10%:	97.6°	2700K:	0.95
Color Temperature:	4,000K	LUMEN MULTIPLIERS	
CRI :	80.0	4300lm:	0.81
R9 Value:	33.0	3700lm:	0.63
Lumens Delivered:	6610lm	2600lm:	0.46
CBCP:	7421cd		
Power Factor:	>0.9		



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10'	10.3'	74.2
14'	14.4'	37.9
18'	18.5'	22.9
22'	22.7'	15.5
27.2'	28.0'	10.0