TYPE		PROJECT	
CATALOG#			

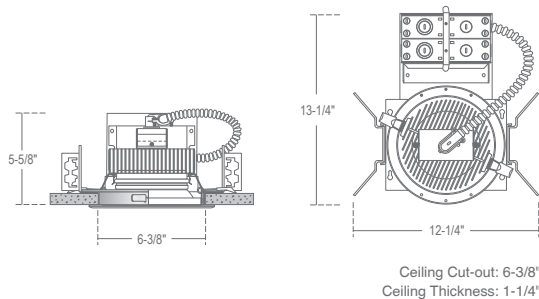# 6" Architectural LED Frame-Kit (1900/2000/3000 Lumen) w/ 6" Shallow LED Trim (1200/1900 Lumen)
6" LED ARCHITECTURAL DOWNLIGHT

5-5/8" 6-3/8" 13-1/4" 12-1/4"

Ceiling Cut-out: 6-3/8"
Ceiling Thickness: 1-1/4"

SPECIFICATION

Application: Architectural-grade recessed LED downlight housing for medium to high ceilings in commercial and architectural spaces.

Housing Frame: 16 gauge galvanized plaster ring with black powder coat finish, friction or V-Spring clips secure trim to housing.

Mounting: Housing suitable for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT. 26" C-Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists. Heavy duty 16-gauge, die-formed galvanized steel. Bar hangers optional.

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.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails,the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch, plate cover and junction box included. Optional Generator Transfer Device switches the driver to auxiliary generator power during the loss of normal AC power, (recommended for applications requiring individual circuit switching).

Junction Box: 16 gauge pre-wired galvanized steel double Junction Box, 64 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (10) 3/4", (2) 1" and (8) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard die-cast aluminum fitting for flex-conduit.

Dimming: 0-10V dimming option (-D10) works with most 5-Wire 0-10V dimmers. Available with 1% Deep Dimming Option. Factory qualified for use with Leviton IP710-DLX and Lutron NTFTV-WH. The Lutron Hi-Lume (-DHL) and Ecosystem (-DEC) option designed for use with LUTRON Ecosystem Controls. Uni-Dim™ (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Insulation Contact: Non-IC rated housing must be kept 3" from insulation.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Label: cETL Listed

FEATURE:

![NEW] ![Energy Star] ![U.S. Assembled] ![ETL Intertek 2001381]

Application: Architectural-grade recessed downlight reflector for medium to high ceilings in commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output.

Reflector Construction: One piece, self-flanged LED design enables a clean trim finish, without the need for a secondary trim ring. Heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Held in place with two steel pressure springs for a tight fit and easy scratch-less removal.

Power Connection: LED lamp array is replaceable via on board quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

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

Thermal Management: Effective thermal dissipation facilitated by integral cast-aluminum, finned heat sink design for maximum heat rejection to provide long LED life.

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

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 degrees C. Doing so will result in reduced lamp life and voided warranty.

Safety Labels: ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937.

Label: cETL Listed

Assembled in USA

6" ARCHITECTURAL LED FRAME-KIT (1900/2000/3000 LUMEN)
LHALD625 *25W LED*

DRIVER TYPE		OPTION		HANGER BAR	
LHALD625C071UE	:Non-Dimming (120V/277V)	**Blank**	:None	**/C260**	:C-Channel Hanger Bar Set
LHALD625C071UE-D10	:0-10V 10% Dimming (120V/277V)	**-EM2**	:Emergency (10W)	**/C260-J**	:Adjustable C-Channel Hanger Bar Set
LHALD625C071UE-DHL	:Hilume 1% Dimming (120V/277V)	**-GTD**	:Generator Transfer Device		
LHALD625C071UE-DUN	:UniDim™ Dimming (120V/277V)				
LHALD625C071UE-D10P1	:0-10V 1% Dimming (120V/277V)				
LHALD625C071UE-DEC	:Lutron Ecosystem (120V/277V)				
LHALD625C071UE-DLI	:DALI Dimming (120V/277V)				
LHALD625C071-DINPZ	:2-Wire 0% (120V)				
LHALD625C071UE-DMX	:DMX Dimming (120-277V)				
LHALD625C071-347-D10	:347V 0-10V 10% Dimming				

6" SHALLOW LED TRIM (1200/1900 LUMEN)
LRCLD6 *12W/25W LED* **Ordering example:** LHALD625C071UE-DUN-GTD/C260-J/LRCLD6WWF152-T30

FINISH		DELIVERED LUMENS		LED	
LRCLD6WWF	:White Reflector/Flange	**152**	:1200 Lm 12W / 1900 Lm 25W	**-T30**	:3000K
				-T40	:4000K

* Extended Lead Time may apply. Consult Factory.
**Only available in 2700K and 3000K.

2020.07.28

LRCLD6SWF152 - 12W/1400Lm- FLOOD - 3000K

		Multipliers	
System Power	:12.0W		
Test Date	:1/2014	4,000K	1.04
Beam Angle 50%	:89.8°	3,500K	1.02
Field Angle 10%	:148.2°	2,700K	0.95
Color Temperature	:3,000K	90 CIR	0.73
CRI	:80		
R9 Value	:11.0		
Lumens Delivered	:1196.6Lm		
CBCP	:551.72cd		
Power Factor	:0.94		

CANDELA TABULATION

138
552
90° 90° 80° 70° 60° 50° 40° 30° 20° 10° 0°
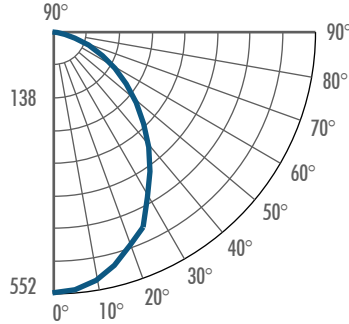
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6'	12.0'	15.3
8'	15.9'	8.6
10'	19.9'	5.5
12'	23.9'	3.8
14'	27.9'	2.8

RECOMMENDED SPACING

8 FEET				9 FEET				10 FEET			
Layout	FC	Max/Min	W/sf2	Layout	FC	Max/Min	W/sf2	Layout	FC	Max/Min	W/sf2
8 x 8	17	1.54	0.188	8 x 8	17	1.36	0.188	8 x 8	16	1.27	0.188
4 x 6	45	1.3	0.525	6 x 6	31	1.24	0.368	6 x 6	30	1.31	0.368

LRCLD6SWF152 - 25W/2000Lm- FLOOD - 3000K

		Multipliers	
System Power	:27.0W		
Test Date	:1/2014	4,000K	1.04
Beam Angle 50%	:89.7°	3,500K	1.02
Field Angle 10%	:148.2°	2,700K	0.95
Color Temperature	:3,000K	90 CRI	0.73
CRI	:80		
R9 Value	:30.5		
Lumens Delivered	:2044.18Lm		
CBCP	:942.52cd		
Power Factor	:1.00		

CANDELA TABULATION

943
236
90° 90° 80° 70° 60° 50° 40° 30° 20° 10° 0°
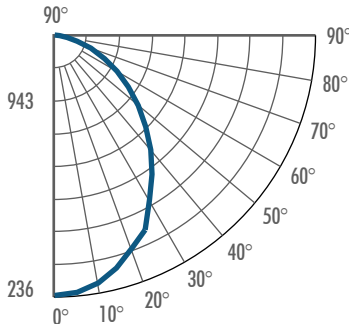
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
6'	11.9'	26.2
8'	15.9'	14.7
10'	19.9'	9.4
12'	23.9'	6.5
14'	27.9'	4.8

RECOMMENDED SPACING

16 FEET				20 FEET				24 FEET			
Layout	FC	Max/Min	W/sf2	Layout	FC	Max/Min	W/sf2	Layout	FC	Max/Min	W/sf2
8 x 10	24	1.96	0.337	10 x 10	19	1.83	0.27	10 x 10	18	1.52	0.27
6 x 8	39	1.37	0.59	6 x 8	38	1.28	0.59	6 x 8	37	1.28	0.59