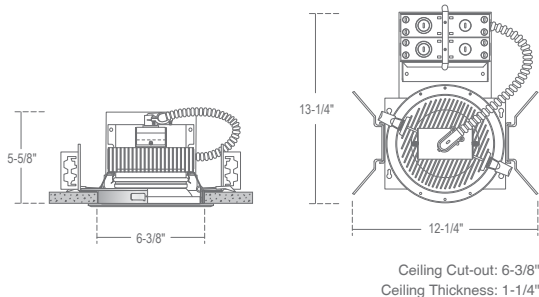


6" Architectural LED Frame-Kit (1200/1600 Lumen) w/ 6" Shallow LED Trim (1200/1900 Lumen) 6" LED ARCHITECTURAL DOWNLIGHT



SPECIFICATION

Application: Architectural-grade recessed LED downlight housing for medium to high ceilings in commercial and architectural spaces. Housing supports 1200/1900 delivered lumen packages.

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.

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.

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

Dimming: 0-10V dimming option (-D10) works with most 0-10V dimmers. Factory qualified for use with Leviton IP710-DLX and Lutron NTFTV-WH. The Lutron Hi-Lume 1% dimming option (-DHL) works with compatible Lutron dimmers: NovaT NTF-10-277, Skylark SF-12P277 & Vierli VTF-6A.

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

FEATURE:  

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.

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

Assembled in USA

6" ARCHITECTURAL LED FRAME-KIT (1200/1600 LUMEN) LHALD612 12W LED

DRIVER TYPE	OPTION	HANGER BAR
LHALD612C035UE :120V/277V Non-Dimming	Blank :None	/C260 :C-Channel Hanger Bar Set
LHALD612C035UE-D10 :120V/277V 0-10V Dimming	-GTD :Generator Transfer Device	/C260-J :Adjustable C-Channel Hanger Bar Set
LHALD612C035UE-DHL :Hi-Lume Dimming (120V/277V)		
LHALD612C035UE-DUN :120V/277 (2-WIRE,ELV,0-10V)		
LHALD612C035-347-D10 :347V 0-10V 10% Dimming		
LHALD612C035UE-D10P1 :0-10V 1% Dimming		

6" SHALLOW LED TRIM (1200/1900 LUMEN) LRCLD6 12W/25W LED

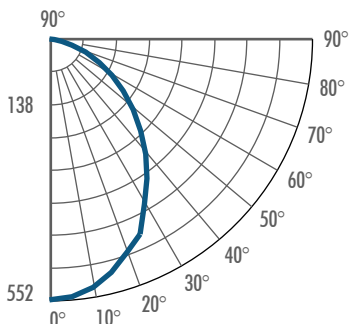
FINISH	DELIVERED LUMENS	LED
LRCLD6WWF :White Reflector/Flange	152 :1200 Lm 12W / 1900 Lm 25W	-T30:3000K -T40:4000K

Ordering example: LHALD612C035UE-D10P1/C260/LRCLD6WWF152-T30

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

System Power	:12.0W	Multipliers	
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 CRI	0.73
CRI	:80		
R9 Value	:11.0		
Lumens Delivered	:1196.6Lm		
CBCP	:551.72cd		
Power Factor	:0.94		

CANDELA TABULATION



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

Layout	FC	Max/Min	W/sf2
8 x 8	17	1.54	0.188
4 x 6	45	1.3	0.525

9 FEET

Layout	FC	Max/Min	W/sf2
8 x 8	17	1.36	0.188
6 x 6	31	1.24	0.368

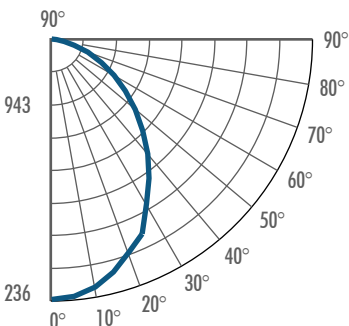
10 FEET

Layout	FC	Max/Min	W/sf2
8 x 8	16	1.27	0.188
6 x 6	30	1.31	0.368

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

System Power	:27.0W	Multipliers	
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



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

Layout	FC	Max/Min	W/sf2
8 x 10	24	1.96	0.337
6 x 8	39	1.37	0.59

20 FEET

Layout	FC	Max/Min	W/sf2
10 x 10	19	1.83	0.27
6 x 8	38	1.28	0.59

24 FEET

Layout	FC	Max/Min	W/sf2
10 x 10	18	1.52	0.27
6 x 8	37	1.28	0.59