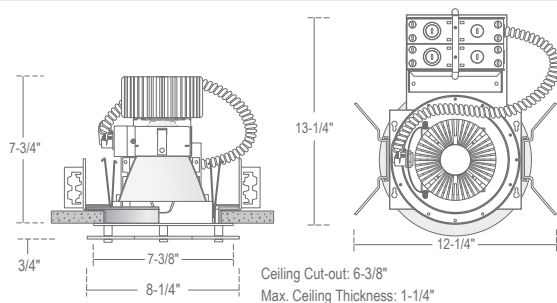


6" Architectural LED Frame-Kit (4000 Lumen) w/ 6" Architectural LED Glass Deco Open (4000 Lumen) 6" LED ARCHITECTURAL DOWNLIGHT



SPECIFICATION

Application: Architectural-grade recessed LED downlight housing for medium to high ceilings combines energy efficiency with powerful lumen output.

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.

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

Dimming: 0-10V dimming option (-D10) works with most 5-Wire 0-10V dimmers. UniDim™ (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

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

Suitable for Damp and Wet Location Installations.

Label: cETL Listed

FEATURE:



Application: Architectural-grade recessed downlight reflector for low to medium height ceilings for commercial and architectural installations. Reflector designed for minimal glare from lamp without sacrificing lumen output. Decorative glass accent brings style and elegance to any decor. Reduces lamp image while adding a subtle decorative element to architecture.

"Reflector Construction: One piece, self-flanged dual-reflector 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. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance. Held in place with two steel pressure v-springs for a tight fit and easy scratch-less removal. -B60 option includes Impact-Resistant Polycarbonate lens."

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, 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 dry, damp and wet locations. NYC approved: Calendar #41937.

6" ARCHITECTURAL LED FRAME-KIT (4000 LUMEN) LHALD640 40W LED 120V/277V

DRIVER TYPE (ALL 120V/277V)	OPTION
LHALD640C10SUE :Non-Dimming	Blank :None
LHALD640C10SUE-D10 :0-10V 10% Dimming	-EM2 :Emergency (10W)
LHALD640C10SUE-D10P1 :0-10V 1% Dimming	-GTD :Generator Transfer Device
LHALD640C10S-DINPZ :2-Wire 0% Dimming (120V)	
LHALD640C10SUE-DUN :UniDim™ Universal Dimming	
LHALD640C10SUE-DMX :DMX Dimming	
LHALD640C10SUE-DZG :Zigbee Dimming	

6" ARCHITECTURAL LED GLASS DECO OPEN (4000 LUMEN) LRLAD6021 40W LED

Ordering example: LHALD640C10SUE/LRLAD6021SWF350-T27-FR

FINISH	BEAM	LED
LRLAD6021SWF350 :Stain Reflector/White Flange	Blank :Flood	Blank :3000K
LRLAD6021WWF350 :White Reflector & Flange	-B60 :Wide Flood	-C97 :3000K,97CRI**
		-T17 :1700K*
		-T25 :2500K*
		-T27 :2700K
		-T27-C90 :2700K,90+CRI*
		-T27-C97 :2700K,97CRI**
		-T35 :3500K
		-T40 :4000K

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

LRALD6SWF350: 6" LED Downlight

Lamp: (1) LED

Total Rated Fixture Lumen :3377 Lm

Total Luminaire Efficacy :82 Lm/W

Luminous Diameter :5.64"

Color Rendering Index (CRI) :80 +

Color Temperature :3000K

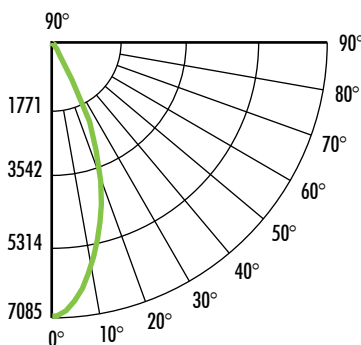
Estimated Life :50,000 hrs. L70

Fixture Data

	LED Module Lumen	Fixture Lumen	Input Wattage
@ 3000K	4000	3377.0	40W
@ 4000K	4120	3478.0	40W

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixt
0 - 20	1871.39	55.40
0 - 30	2916.68	86.40
0 - 40	3144.19	93.10
0 - 60	3305.97	97.90
0 - 80	3361.31	99.50
0 - 90	3377.27	100.00
10 - 90	2870.79	85.00
20 - 40	1272.80	37.70
20 - 50	1381.51	40.90
40 - 70	199.34	5.90
60 - 80	55.34	1.60
70 - 80	17.78	0.50
80 - 90	0.00	0.50



CANDELA TABULATION

CD./SQ.M (FOOTLAMBERTS)

Angle	0
0.0	7084.80
1.0	7079.04
3.0	6958.08
9.0	6059.52
13.0	5230.08
15.0	4800.96
22.5	3008.16
29.0	1072.80
33.0	308.16
42.5	145.44
55.0	59.04
65.0	20.16
75.0	14.40

PERFORMANCE CHART

CEILING HEIGHT	SPACING	AVG. FOOTCANDLES
50'	8' x 8'	21
50'	6' x 6'	40
40'	8' x 8'	30
40'	6' x 6'	50
30'	8' x 8'	35
30'	6' x 6'	52

LUMINANCE DATA

CD./SQ.M (FOOTLAMBERTS)

Angle	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	11045	11045	11045
55	6380	6380	6380
65	2957	2957	2957
75	3449	3449	3449
85	7169	7169	7169

MULTIPLIERS

FINISHES

Satin Haze	1.0
White	0.9

COLOR TEMP

2,700K	0.93
3,000K	1.00
3,500K	1.01
4,000K	1.03

ZONAL LUMINANCE SUMMARY

CD./SQ.M (FOOTLAMBERTS)

Zone	Lumens
0-10	506.48
10-20	1364.91
20-30	1045.29
30-40	227.51
40-50	108.71
50-60	53.07
60-70	37.56
70-80	17.78
80-90	15.96
90-100	0.00