LITON®
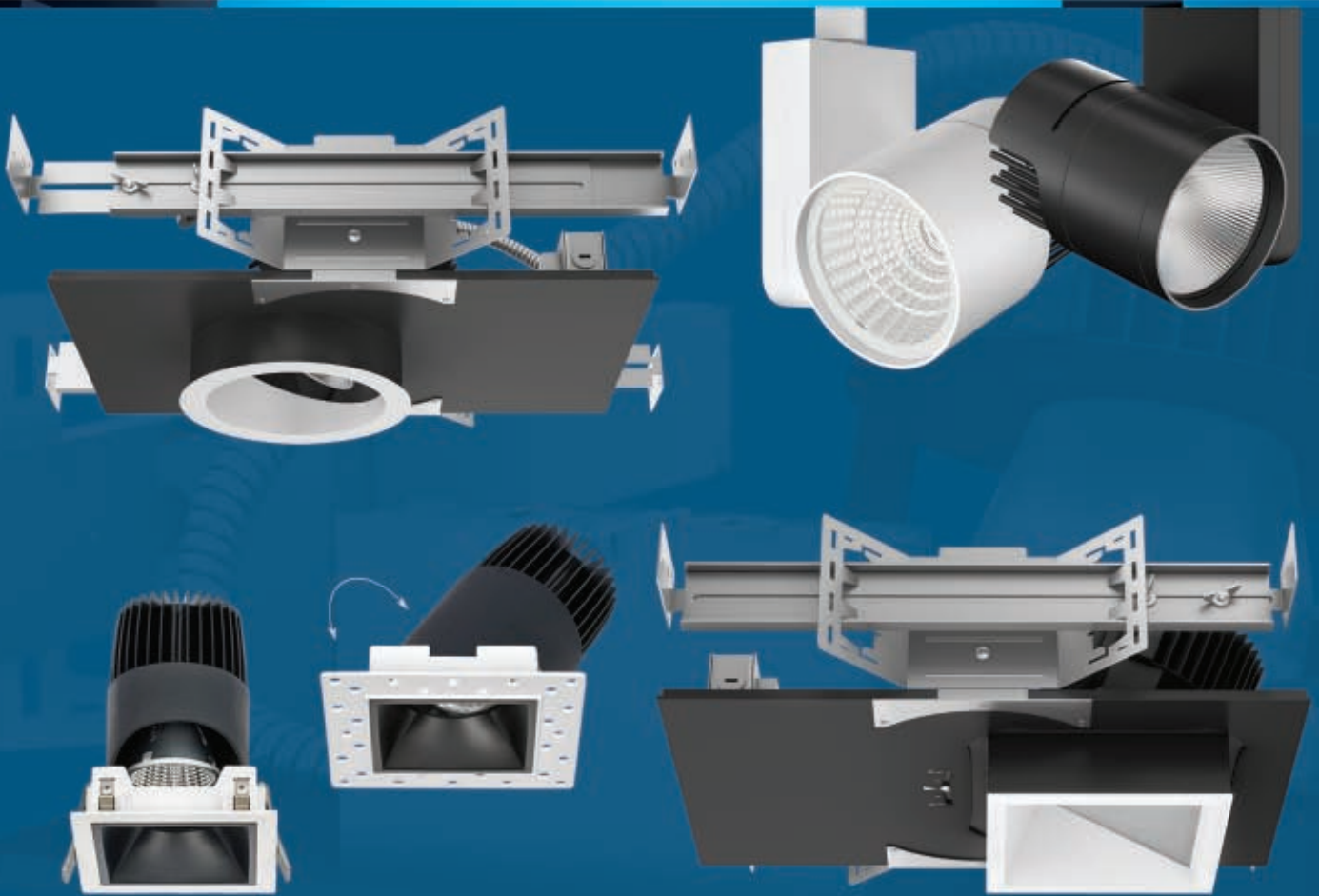
ARCHITECTURAL

SPECIFICATION LED

RECESSED / SURFACE AND TRACK LED LIGHTING

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THE COMPLETE LIGHTING SOLUTION

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THE COMPLETE LIGHTING SOLUTION

Corporate

As corporations worldwide become increasingly aware of the cost of energy and its effect on their bottom line, they demand solutions. Research shows that almost 30% of their energy budget goes towards the use and maintenance of inefficient lighting systems. Liton's versatile LED fixtures enhance efficiency, insure sustainability and provide the warmth and beauty of traditional lighting sources. Easily integrated into new lighting plans or existing remodel and retrofit projects, Liton LED fixtures can provide a productive and comfortable environment while generating substantial savings in overall energy costs.

Corporate Projects (Liton LED)

24 Hour Fitness HQ	GE Transportation	Lockheed Martin	Time Warner	Well Fargo Tower
Boeing Bldg. 42	Goodyear HQ	Northrop Grumman	Union Bank	Uber Headquarters
Blue Cross/Blue Shield	Google HQ	Safeco Plaza		

Education

Whether a single classroom or a sprawling campus with several buildings, the learning institution must provide a well-lit but inviting environment. Energy cost containment may be important but the conservation of energy cannot come at the expense of learning. Liton LED fixtures offer many options such as color temperature, CRI, dimming, beamspread and adjustability which allows the customization of the lighting aspects of the classroom. This enhances the learning environment - all while realizing a significant reduction in energy consumption.

Education Projects (Liton LED)

Atlanta Metropolitan State College	Chapman University	Northeastern University	Univ. of California, San Diego
Buffalo State College	John Tyler Community College	University of Notre Dame	Variety Club Research Center
Cal State University, San Marcos	John R. Briggs Elementary	University of Evansville	Washington State University

Entertainment

Whether large venue or small, nightclub or health club, hall, theater or arena, Liton LED has the variety and options necessary to light all or part of any entertainment facility and maximize energy savings. Imagine a movie theater using Liton LED downlights to light the lobby. How about using LinkaLED Bar, Tape or Puck lights to entice hungry customers to the concession stand? What about using Liton's LED rope light to safely guide employees and patrons to seats, restrooms and, more importantly, a clearly marked exit? And what about those restrooms? Liton has the LED products necessary for that need and almost any other. It's amazing to think that we were only discussing a movie theater. When you think of all of the different LED downlights, track heads, undercabinet and safety products that Liton produces, the possibilities are mind-boggling.

Entertainment Projects (Liton LED)

Austin ISD Performing Arts Ctr.	Hard Rock Casino	Paradise Casino
Ed Smith Stadium	Landmark Theaters	Sea World
Food Network (Kitchen)	Malco Theaters	Universal Studios

Retail

All retail establishments are designed with one goal in mind: to merchandise product so that it sells quickly. Proper lighting plays an essential role in that process. A properly lit store will highlight product and displays, illuminate consumer pathways, give direction to key departments or facilities, including check out, and provide real and perceived security. Studies show that good lighting reduces shrinkage from theft and damage. Liton Lighting provides LED lighting fixtures for any retail environment. Finally, retailers work on very thin margins. Even the cost of lighting is figured into the cost of goods. Liton LED lighting can save as much as 25% in annual energy costs over inefficient lighting.

Retail Projects (Liton LED)

Bank of Tampa	Destinations - Dallas Int'l. Airport	Lewis Jewelers	Tiffany Jewelers
Cole Haan	Duty Free Americas	L'Occitane	Walmart Global
Crate & Barrel	HMS Host Destinations Dallas	Macy's	XFinity Store
David Yurman	Impressions	Osh Nursery	

Hospitality

Warmth. Comfort. Elegance. The goal of the host is to make guests feel comfortable and want to come back. A wide range of small aperture LED downlights and task lights from Liton can help to set a welcoming tone for guests – whether they've come to work, play, sleep, dine or simply relax. With no sacrifice to physical comfort or visual elegance, Liton's commitment to LED innovation delivers significant energy savings and an enhanced guest experience.

Hospitality Projects (Liton LED)

Courtyard Inn	Grand Hyatt	Marriott Biscayne Bay	Ritz Carlton
Disney- Daar Guestrooms	Hilton Garden Inns	Marriott Manhattan Beach	Spring Hill Suites by Marriott
Elms Hotel & Spa	Hyatt Regency	Marriott Desert Ridge	Trump Hotel

Restaurants

Whether a restaurant is designed for casual dining, fast food or intimate elegance, presentation is everything. In this highly competitive market, every aspect is important. Food, service, décor and atmosphere all require careful planning to succeed. Liton LED solutions light the way by providing the lighting tools and options necessary to achieve that all-important atmosphere and create an unforgettable dining experience.

Restaurants Projects (Liton LED)

Baja Fresh	Coffee Bean - Hilton	Pinkberry	Wild Potato
Benihana	IHOP Restaurant	Starbucks	Yo! Sushi
Carl's Jr.	Johnny Rockets	TGI Fridays	

Government

Ever heard of the $1000 ashtray? Yes, the government has had a way of wasting hard-earned taxpayer dollars. But 'we the people' have complained and, remarkably, they have listened. Government facilities must now achieve a 30% reduction in energy consumption based upon 2003 levels according to Executive Order 13423. By choosing Liton LED solutions you can achieve an overall 23% reduction in lighting costs alone. Not a bad start towards energy independence.

Government Projects (Liton LED)

42nd Military Police Barracks	City of Gothenburg (Public Works)	Erie County Convention Center	Minot Air Force Base
Brighton City Hall	City of Reno	ESSE Museum	Tehachapi Police Department
City of Creve Coeur	Detroit Metro Airport	Fed. Reserve Bank of Kansas City	

Healthcare

Research shows that environment is an important part of patient treatment and recovery. Old-fashioned, inefficient CFL and incandescent lighting can create a depressing visual experience that affects patients and caregivers alike. Liton LED lighting fixtures are a powerful way to support the lighting design goals that are important to healthcare facilities. It improves the patient experience, enhances staff performance, and helps to reduce heath care costs by reducing energy consumption.

Healthcare Projects (Liton LED)

Brookfield Veterinary Hospital	Elgin Community College	Mayo Clinic Health System	Savage Medical
Cedars Sinai Medical Center	Hippocrates Health Institute	Sacred Heart Hospital	Seven Seas Pediatric Dentistry
CMC Oncology Center	Indiana University Hospital	Sarasota Memorial Hospital	Vanderbilt-Ingram Cancer Ctr.
Colfax Health & Rehab Center			

R esidential

As residential customers experience sky-rocketing electricity rates, they have begun to count every single kilowatt. Porch lights are left off. They squint in darkened rooms trying to conserve every bit of energy they can. They scour their abodes seeking out every device that consumes a scintilla of phantom power. Selling a residence? Lighting is now an issue. Building a residence? Lighting is in the plans. Buying a residence? Lighting is a consideration. Previously, the only energy efficient solution was CFL, a compromise by any measure. Liton LED lighting fixtures provide outstanding energy efficiency but also provide all of the advantages of traditional technologies including adjustability, beam spread control, dimming and more apertures than competing brands or lamping technologies. Liton LED fixtures can be price competitive as well with models in every price range.

House of Worship

Whether church or synagogue, cathedral, mosque or temple – houses of worship present unique challenges for lighting design. Congregants, clergy, staff and visitors come to these spaces with individual needs and expectations. Many of these facilities are multi-purpose and may have different lighting requirements for different functions. Architectural features, artwork, statuary, altars and other important furnishings may need special lighting. All of these situations present challenges easily met using Liton LED lighting. Need adjustability in a recessed LED downlight? How about fine beamspread control? Will dimming help to set the atmosphere? What about an LED track head that matches all of the characteristics of your downlights? Liton LED meets all of those requirements and more.

House of Worship Projects (Liton LED)

Destiny Worship Center	Greenwood Episcopal Church	Sun Prairie United Methodist Church
First United Methodist Church of Warren	St. Patricks Church	Temple Israel

S pecialty R etail : Auto

Auto dealerships look for a visual edge over their competition when showcasing new models in their showrooms. Only the top-of-the-line, most fully-featured models are awarded that valuable real estate. Vehicles are polished and presented in a manner that justifies their cost and whets the appetite of the consumer. In the past, the lighting technology of choice was HID, known for intense color rendition and lots of sparkle. The downside was the finicky nature of that technology, the inability to dim metal halide lamps and the intense heat generated. Now LITON LED, with its high lumen output, choice of CCT and high CRI values, eliminates the downsides of HID and provides comparable output , consistent color rendering, better energy efficiency and lots of sparkle.

S pecialty R etail : Automobile Dealership Projects by Liton LED

Airport Acura	Kia Dealership of Santa Rosa	Mercedes Benz of Los Angeles	Toyota of Abilene
BMW of Atlantic City	Mercedes Benz of Des Moines	Newport Lexus	Toyota of Medford
Brad Benson Auto Group (Hyundai)	Mercedes Benz of El Dorado Hills	Pohanka Nissan	Toyota of Springfield
			Triumph Motorcycle

2" RECESSED LED HOUSING 450 - 600Lm
DUAL PURPOSE │ NEW CONSTRUCTION & REMODEL 10W/600 LM │ 2¹³⁄₁₆" CEILING CUT OUT
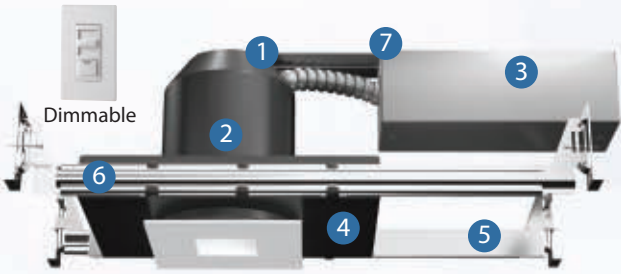
Dimmable

Dual Purpose housing is designed for New Construction and Remodel applications.

ARCHITECTURAL SPECIFICATION

Lumen Packages	10W, 600 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses.
CRI	80+ CRI, 90+ CRI Optional
Lumen Maintenance	Min. 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 Standardized tests.
IC Rating	Non-IC, Must be kept 3" away from insulation.
Dimming Options	ELV 5%, Incandescent 5%, 0-10V
Emergency Options	EM: 8W, Includes Remote Test Switch, plate cover and j-box.
Input	120V, 120V/277V Universal Option

This miniature LED housing is perfect for low to medium height ceilings in residential and light commercial applications. Its small aperture makes it ideal for strategic placement where space is limited and energy savings is important. A variety of trim styles, finishes, beam spreads and wattages are available to achieve a desired look and lumen output.

1. Dual Purpose housing is designed for New Construction and Remodel applications.

2. Pre-wired .05" baked enamel 1-piece drawn steel. Integral thermal protector to guard against improper lamping and installation. Trim is secured with internal ClickLok™ locking mechanism.
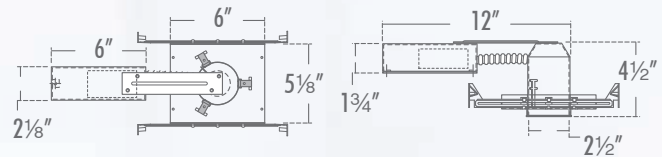
3. 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (7) 3/4" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped w/safety standard fitting for flex-conduit.

4. Plaster frame kit supplied with (2) 24" adjustable hanger bars with 90º repositioning ability.

5. Hanger bars equipped with nail-less install and serrated barbed studs with captive nails for fast and easy mounting to wood joists or T-Bar Ceilings.

6. Set screws lock hanger bars in place and prevent shifting after installation.

7. 5 1/2" minimum clearance above ceiling recommended for installation and maintenance access.

PHOTOMETRY LR2LH21C-B45

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.97
White	0.87	3,000K	1.00
Satin	0.90	3,500K	1.01
Clear	1.00	4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	394.92	64.00
0-30	543.24	88.00
0-40	593.17	96.10
0-60	615.91	99.80
0-90	617.44	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
10'	4 X 4	42.0	1.6:1
10'	4 X 6	29.0	2.1:1
10'	6 X 6	20.0	2.4:1

CANDELA TABULATION

638.36, CBCP

2" RECESSED LED TRIM 450 – 600Lm
REFLECTOR | ADJUSTABLE | NARROW APERTURE | WALL WASH | SQUARE

The 2" Miniature LED Recessed Downlight is ideal for strategic placement in spaces best suited for small aperture downlights. It comes with an all new dual-purpose construction housing that includes a plaster frame that provides the utmost protection. The driver has been mounted on an external J-Box for a cooler LED operation.

BENEFITS

- Dual purpose New construction housing incl. plaster frame
- 277V input and emergency battery back-up options
- Driver mounted on external J-Box for cooler LED operation
- Durable, fully die-cast construction for long life
- 80CRI standard, 90CRI option
- LEDs binned to within 3-Step MacAdam Ellipses (SDCM)

HOUSING FRAME ORDERING

Example: **LHBLD212C35UE-DUN-EM**

HOUSING#	DRIVER	OPTION
LHBLD212C35 : New Construction	**Blank** : 120V Non-Dimming	**Blank** : None
LHBLD2R12C35 : Remodel	**-DIN** : Incandescent Dimming	**-EM** : Emergency**
	UE : 120V / 277V	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	

** 8W, Remote. New Construction only. Above ceiling access required for EM option.

LED TRIM ORDERING

Example: **LR2LH21C-B25-C97-WL**

TRIM STYLE	TRIM FINISH	BEAM SPREAD	LED	RATING
LR2LH21 : Downlight | 600Lm • All die-cast construction • Wet location option available	**W** : All White **B** : Black Reflector/White Ring **BB** : All Black **C** : Clear Reflector/ White Ring **SN** : Satin Reflector/ Natural Ring	**Blank** : 45° Narrow Flood **-B25** : Spot **-B60** : 60° Wide Flood	**Blank** : 3000K **-C90** : 3000K, 90CRI **-C97** : 3000K, 97CRI** **-T17** : 1700K* **-T25** : 2500K* **-T27** : 2700K **-T27-C90** : 2700K, 90+ CRI **-T27-C97** : 2700K, 97CRI** **-T35** : 3500K **-T40** : 4000K	**Blank** : None **-WL** : Airtight Lensed (Wet-Location)[8]
LR2LH71 : Wall Wash | 550Lm • 50W MR16-like performance	**W** : All White **B** : Black Reflector/White Ring **C** : Clear Reflector/ White Ring **SN** : Satin Reflector/ Natural Ring	**Blank** : 45° Narrow Flood **-B60** : 60° Wide Flood		**Blank** : None
LR2LH67 : Adjustable | 600Lm • Singular Optic LED • Optics changeable in the field • Tilts 85°, rotates 360°	**W** : White **B** : Black **N** : Natural	**Blank** : 45° Narrow Flood **-B60** : 60° Wide Flood		**Blank** : None
LR2LH19 : Round Narrow Aperture | 450Lm • Damp location option	**W** : White Pinhole/Black Reflector **B** : Black Pinhole/Black Reflector **N** : Natural Pinhole/Black Reflector **CO** : Copper Pinhole/Black Reflector **MO** : Mocha Pinhole/Black Reflector			**Blank** : None
LR2LHQ19 : Square Narrow Aperture | 550Lm • 360° Rotatable After Installation • Modern Square Design • 50W MR16-like performance	**WW** : White Reflector/White Trim **BW** : Black Reflector/White Trim **BB** : Black Reflector/Black Trim **SN** : Satin Reflector/Natural Trim	**Blank** : 45° Narrow Flood **-B60** : 60° Wide Flood		**Blank** : None

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K   [8] LR2LH21 only.

2" RECESSED LED HOUSING 1,300Lm

DUAL PURPOSE | NEW CONSTRUCTION & REMODEL 13W/1300 LM | 2¹³⁄₁₆" CEILING CUT OUT
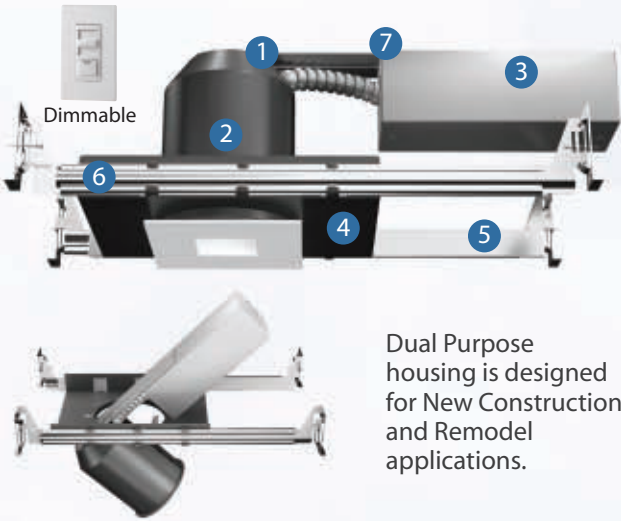
Dimmable

Dual Purpose housing is designed for New Construction and Remodel applications.

ARCHITECTURAL SPECIFICATION

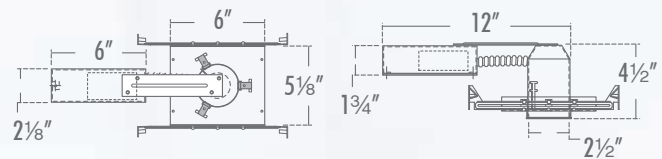|	
Lumen Packages	13W, Up to 1300 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for LR2LH21.
CRI	80+ CRI, 90+ CRI Optional
Lumen Maintenance	Min. 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 Standardized tests.
IC Rating	Non-IC, Must be kept 3" away from insulation.
Dimming Options	ELV 5%, Incandescent 5%, 0-10V
Emergency Options	EM: 8W, Includes Remote Test Switch, plate cover and j-box.
Input	120V, 120V/277V Universal Option

This miniature LED housing is perfect for low to medium height ceilings in residential and light commercial applications. Its small aperture makes it ideal for strategic placement where space is limited and energy savings is important. A variety of trim styles, finishes, beam spreads and wattages are available to achieve a desired look and lumen output.

1 Dual Purpose housing is designed for New Construction and Remodel applications.

2 Pre-wired .05" baked enamel 1-piece drawn steel. Integral thermal protector to guard against improper lamping and installation. Trim is secured with internal ClickLok™ locking mechanism.

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (7) 3/4" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped w/safety standard fitting for flex-conduit.

4 Plaster frame kit supplied with (2) 24" adjustable hanger bars with 90° repositioning ability.

5 Hanger bars equipped with nail-less install and serrated barbed studs with captive nails for fast and easy mounting to wood joists or T-Bar Ceilings.

6 Set screws lock hanger bars in place and prevent shifting after installation.

7 5 1/2" minimum clearance above ceiling recommended for installation and maintenance access.

PHOTOMETRY LR2LH21C-L13

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.97
White	0.87	3,000K	1.00
Satin	0.90	3,500K	1.01
Clear	1.00	4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	829.29	64.00
0-30	1140.80	88.00
0-40	1245.65	96.10
0-60	1293.41	99.80
0-90	1296.62	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
10'	4 X 4	88.2	1.6:1
10'	4 X 6	60.9	2.1:1
10'	6 X 6	42.0	2.4:1

CANDELA TABULATION

3441.9, CBCP

2" RECESSED LED TRIM 1,300Lm
REFLECTOR | WALL WASH

The 2" Miniature LED Recessed Downlight is ideal for strategic placement in spaces best suited for small aperture downlights. It comes with an all new dual-purpose construction housing that includes a plaster frame that provides the utmost protection. The driver has been mounted on an external J-Box for a cooler LED operation.

BENEFITS

- Dual purpose New construction housing incl. plaster frame
- 277V input and emergency battery back-up options
- Driver mounted on external J-Box for cooler LED operation
- Durable, fully die-cast construction for long life
- 80CRI standard, 90CRI option
- LEDs binned to within 3-Step MacAdam Ellipses (SDCM)

HOUSING FRAME ORDERING

Example: **LHBLD212C35UE-EM**

HOUSING#	DRIVER	OPTION
LHBLD212C35 : New Construction	**Blank** : 120V Non-Dimming	**Blank** : None
LHBLD2R12C35 : Remodel	**-DIN** : Incandescent Dimming	**-EM** : Emergency**
	UE : 120V / 277V	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	

** 8W, Remote. New Construction only. Above ceiling access required for EM option.

LED TRIM ORDERING

Example: **LR2LH21W-L13-B60-T27-WL**

TRIM STYLE	TRIM FINISH	BEAM SPREAD	LED	RATING
LR2LH21 : Downlight | 1300Lm • New high output 13W LED • All die-cast construction • Wet location option available	**W-L13** : All White	**Blank** : 45° Narrow Flood	**Blank** : 3000K	**Blank** : None
	B-L13 : Black Reflector/White Ring	**-B25** : Spot	**-C90** : 3000K, 90CRI	**-WL** : Airtight Lensed (Wet-Location)
	CO-L13 : All Copper	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	
	C-L13 : Clear Reflector/ White Ring		**-T17** : 1700K*	
	SN-L13 : Satin Reflector/ Natural Ring		**-T25** : 2500K*	
LR2LH71 : Wall Wash | 1300Lm • New high output 13W LED • All die-cast construction	**W-L13** : All White	**-B60** : 60° Wide Flood	**-T27** : 2700K	**Blank** : None
	B-L13 : Black Reflector/White Ring		**-T27-C90** : 2700K, 90+ CRI	
	C-L13 : Clear Reflector/ White Ring		**-T27-C97** : 2700K, 97CRI**	
	SN-L13 : Satin Reflector/ Natural Ring		**-T35** : 3500K	
			-T40 : 4000K	
			-TWD : 1850K-2700K (Warm Dimming) [8]	

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K   [8] LR2LH21 only.

2.5" RECESSED LED HOUSING 900 - 1,400Lm

ROUND FLANGED & FLANGELESS │ 1½" CEILING THICKNESS │ 3¹⁄₁₆" CEILING CUT OUT

Flanged

Flangeless

40°
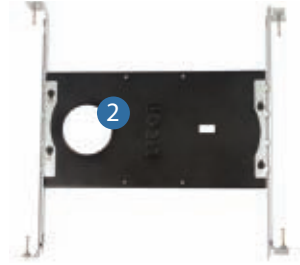
Louvers, Lenses and Diffusers

1 .05" baked enamel 1-piece drawn steel housing adjusts up to 1-1/2" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured with torsion wing springs.

2 Housing suitable for new construction and remodel installations, supplied with (2) 24" adjustable hanger bars. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and with captive nails, for faster and easier secure mounting in wood joists.

3 Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

4 IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation. For use with high density loosefill blown insulation, reduce rated lamp wattage accordingly (roughly %15-%20).

PHOTOMETRY LRLD2521 900LM 25° 3000K

LRLD2521 25° 3000K

System Power	: 15.1W
Test Date	: 1/2017
Beam Angle 50%	: 29.1°
Field Angle 10%	: 17.8°
Color Temperature	: 3,163K
CRI	: 93.2
R9 Value	: 71.8
Lumens Delivered	: 1,085Lm
CBCP	: 4067cd
Power Factor	: 1.0

MULTIPLIERS

COLOR TEMPERATURE

4,000K	1.04
3,500K	1.02
3,000K CRI 97	0.6
2,700K	0.95
2,700K CRI 97	0.83
2,500K	0.45
1,700K	0.42

LUMEN

900Lm	1.00
1400Lm	1.24

FOOTCANDLE DISTRIBUTION

HEIGHT	BEAM DIAMETER	FC
3.3'	1.7'	376.8
6.6'	3.4'	94.2
9.8'	5.1'	41.9
13.1'	6.8'	23.6
16.4'	8.5'	15.1

CANDELA TABULATION

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PHOTOMETRY LRLD2521 900LM 35° 3000K

LRLD2521 35° 3000K

System Power	: 15.0W
Test Date	: 1/2017
Beam Angle 50%	: 37.9°
Field Angle 10%	: 53.6°
Color Temperature	: 3,170K
CRI	: 92.0
R9 Value	: 66.6
Lumens Delivered	: 1,126Lm
CBCP	: 2888cd
Power Factor	: 1.0

MULTIPLIERS

COLOR TEMP

4,000K	1.04
3,500K	1.02
3,000K CRI 97	0.6
2,700K	0.95
2,700K CRI 97	0.83
2,500K	0.45
1,700K	0.42

LUMEN

900Lm	1.00
1400Lm	1.24

FOOTCANDLE DISTRIBUTION

HEIGHT	BEAM DIAMETER	FC
3.3'	2.3'	268.1
6.6'	4.5'	67.0
9.8'	6.8'	29.8
13.1'	9.0'	16.8
16.4'	11.3'	10.7

CANDELA TABULATION

27 / 2886

2.5" RECESSED LED TRIM 900 - 1,400Lm
DOWNLIGHT | ADJUSTABLE | ROUND FLANGED & FLANGELESS TRIMS

LITON's all-new 2.5" Architectural LED Series consists of precision grade miniature lighting with round trimless and non-trimless options, adding to our robust family of Specification-Grade Commercial Downlights in a small aperture with powerful lumen output. The modular design of these new downlights enables simple replacement of color temperature, beam spread, finish, and even trim style, resulting in a versatility not seen in other LITON products.
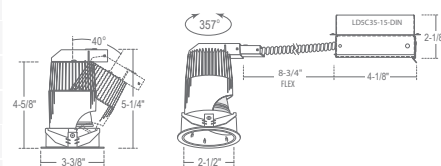
BENEFITS

- Small 2.5" Aperture. Available in 5 Reflector Finishes
- Field Replaceable Beam Spread Optics
- Over 900 lumens delivered

- Multiple Accessories Options
- Completely accessible from below the ceiling
- Flangeless models: True "trim-less" design w/ no visible flange

HOUSING FRAME ORDERING

Example: **LHLD25IC-FRM**

HOUSING#	
LHLD25IC-FRM : New Construction IC (Round)	
LHLD25-FRM : New Construction Non IC (Round)	

LED TRIM ORDERING

Example: **LRLD2521WW-L14-B25-T27-DUN-WL**

TRIM STYLE	REFLECTOR FINISH	RING FINISH	LUMENS	BEAM SPREAD	LED	DRIVER	RATING
LRLD2521 : Downlight | 900Lm 1400Lm	**W** : Matte White	**W** : White	**-L09** : 900Lm	**-B10** : 10° ***	**-T30** : 3000K	**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black	**B** : Black	**-L14** : 1400Lm*	**-B25** : 25° Spot	**-C90** : 3000K, 90 CRI		**-WL** : Airtight Lensed (Wet Location)
	C : Specular Clear			**-B35** : 35°	**-C97** : 3000K, 97CRI**	**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze				**-T17** : 1700K*		
	RP : Specular Graphite				**-T25** : 2500K*		
					-T27 : 2700K		
LRLD2571 : Adj. Accent | 900Lm 1400Lm • Tilts 40°, rotates 357°	**W** : Matte White	**W** : White	**-L09** : 900Lm	**-B10** : 10° ***	**-T27-C90** : 2700K, 90+ CRI	**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black	**B** : Black	**-L14** : 1400Lm*	**-B25** : 25° Spot	**-T27-C97** : 2700K, 97CRI**		
	C : Specular Clear			**-B35** : 35°	**-T35** : 3500K	**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze				**-T40** : 4000K		
	RP : Specular Graphite						
LRXLD2521 : Downlight | 900Lm 1400Lm FLANGELESS	**W** : Matte White		**-L09** : 900Lm	**-B10** : 10° ***		**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black		**-L14** : 1400Lm*	**-B25** : 25° Spot			**-WL** : Airtight Lensed (Wet Location)
	C : Specular Clear			**-B35** : 35°		**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze						
	RP : Specular Graphite						
LRXLD2571 : Adj. Accent | 900Lm 1400Lm FLANGELESS • Tilts 40°, rotates 357°	**W** : Matte White		**-L09** : 900Lm	**-B10** : 10° ***		**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black		**-L14** : 1400Lm*	**-B25** : 25° Spot			
	C : Specular Clear			**-B35** : 35°		**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze						
	RP : Specular Graphite						

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   *** Available in July 2017. Not available with 1400Lm Option.

2.5" RECESSED LED SQUARE **HOUSING** 900 - 1,400Lm
SQUARE FLANGED & FLANGELESS | ¾" CEILING THICKNESS

Flanged

Flangeless

40°

3

1

2

Louvers, Lenses and Diffusers

1" Ceiling Thickness
3¼" Ceiling Cut-Out

1½" Ceiling Thickness
2⅞" Ceiling Cut-Out

1 .05" baked enamel 1-piece drawn steel housing adjusts up to 3/4" ceiling thickness. Integral thermal protector to guard against improper lamping and installation. Trim is secured with torsion wing springs.

2 Housing suitable for new construction and remodel installations, supplied with (2) 24" adjustable hanger bars. Hanger bars equipped with nail-less install 3/4" serrated barbed studs and with captive nails, for faster and easier secure mounting in wood joists.

3 Set-screws lock into position and prevent shifting after installation. Earthquake structural cable compatible for drop panel ceiling or any other mounting that requires direct support from structural ceilings.

4 IC rated housing rated for direct contact with low to medium density loosefill blown and rolled insulation. For use with high density loosefill blown insulation, reduce rated lamp wattage accordingly (roughly %15-%20).

PHOTOMETRY LRLDQ2521 900LM 25° 3000K

LRLDQ2521 25° 3000K		MULTIPLIERS		FOOTCANDLE DISTRIBUTION			CANDELA TABULATION
System Power	: 15.1W	**COLOR TEMPERATURE**					
Test Date	: 1/2017	4,000K	1.04	**HEIGHT**	**BEAM DIAMETER**	**FC**	
Beam Angle 50%	: 28.6°	3,500K	1.02				
Field Angle 10%	: 45.5°	3,000K CRI 97	0.6	3.3'	1.7'	370.4	
Color Temperature	: 3,171K	2,700K	0.95	6.6'	3.4'	92.6	
CRI	: 92.1	2,700K CRI 97	0.83	9.8'	5.0'	41.2	
R9 Value	: 67.0	2,500K	0.45	13.1'	6.7'	23.2	
Lumens Delivered	: 990Lm	1,700K	0.42	16.4'	8.4'	14.8	
CBCP	: 3987cd	**LUMEN**					
Power Factor	: 1.0	900Lm	1.00				
		1400Lm	1.24				

PHOTOMETRY LRLDQ2521 900LM 35° 3000K

LRLDQ2521 35° 3000K		MULTIPLIERS		FOOTCANDLE DISTRIBUTION			CANDELA TABULATION
System Power	: 15.1W	**COLOR TEMPERATURE**					
Test Date	: 1/2017	4,000K	1.04	**HEIGHT**	**BEAM DIAMETER**	**FC**	
Beam Angle 50%	: 36.5°	3,500K	1.02				
Field Angle 10%	: 52.7°	3,000K CRI 97	0.6	3.3'	2.2'	266.0	
Color Temperature	: 3,167K	2,700K	0.95	6.6'	4.3'	66.5	
CRI	: 92.1	2,700K CRI 97	0.83	9.8'	6.5'	29.6	
R9 Value	: 66.5	2,500K	0.45	13.1'	8.6'	16.6	
Lumens Delivered	: 1,037Lm	1,700K	0.42	16.4'	10.8'	10.6	
CBCP	: 2870cd	**LUMEN**					
Power Factor	: 1.0	900Lm	1.00				
		1400Lm	1.24				

2.5" RECESSED LED SQUARE TRIM 900 – 1,400LM
DOWNLIGHT | ADJUSTABLE | SQUARE FLANGED & FLANGELESS TRIMS

LITON's all-new 2.5" Architectural LED Series consists of precision grade miniature lighting with Square trimless and non-trimless options, adding to our robust family of Specification-Grade Commercial Downlights in a small aperture with powerful lumen output. The modular design of these new downlights enables simple replacement of color temperature, beam spread, finish, and even trim style, resulting in a versatility not seen in other LITON products.

BENEFITS

- Small 2.5" Aperture. Available in 5 Reflector Finishes
- Field Replaceable Beam Spread Optics
- Over 900 lumens delivered

- Multiple Accessories Options
- Completely accessible from below the ceiling
- Flangeless models: True "trim-less" design w/ no visible flange

HOUSING FRAME ORDERING

Example: **LHQLD25IC-FRM**

HOUSING#	
LHQLD25IC-FRM : New Construction IC (Square)	
LHQLD25-FRM : New Construction Non IC (Square)	
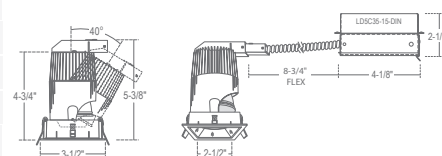
LED TRIM ORDERING

Example: **LRLDQ2521WW-L14-B25-T27-DUN-WL**

TRIM STYLE	REFLECTOR FINISH	RING FINISH	LUMENS	BEAM SPREAD	LED	DRIVER	RATING
LRLDQ2521 : Downlight | 900Lm 1400Lm	**W** : Matte White	**W** : White	**-L09** : 900Lm	**-B10** : 10° ***	**-T30** : 3000K	**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black	**B** : Black	**-L14** : 1400Lm*	**-B25** : 25° Spot	**-C90** : 3000K, 90 CRI		**-WL** : Airtight Lensed (Wet Location)
	C : Specular Clear			**-B35** : 35°	**-C97** : 3000K, 97CRI**	**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze				**-T17** : 1700K*		
	RP : Specular Graphite				**-T25** : 2500K*		
					-T27 : 2700K		
LRLDQ2571 : Adj. Accent | 900Lm 1400Lm	**W** : Matte White	**W** : White	**-L09** : 900Lm	**-B10** : 10° ***	**-T27-C90** : 2700K, 90+ CRI	**Blank** : 120V Triac Dimming	**Blank** : None
	B : Specular Black	**B** : Black	**-L14** : 1400Lm*	**-B25** : 25° Spot	**-T27-C97** : 2700K, 97CRI**		
	C : Specular Clear			**-B35** : 35°	**-T35** : 3500K	**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
• Tilts 40°	**S** : Satin Haze				**-T40** : 4000K		
	RP : Specular Graphite						
LRXLDQ2521 : Downlight | 900Lm 1400Lm	**W** : Matte White		**-L09** : 900Lm	**-B10** : 10° ***		**Blank** : 120V Triac Dimming	**Blank** : None
FLANGELESS	**B** : Specular Black		**-L14** : 1400Lm*	**-B25** : 25° Spot			**-WL** : Airtight Lensed (Wet Location)
	C : Specular Clear			**-B35** : 35°		**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
	S : Satin Haze						
	RP : Specular Graphite						
LRXLDQ2571 : Adj. Accent | 900Lm 1400Lm	**W** : Matte White		**-L09** : 900Lm	**-B10** : 10° ***		**Blank** : 120V Triac Dimming	**Blank** : None
FLANGELESS	**B** : Specular Black		**-L14** : 1400Lm*	**-B25** : 25° Spot			
	C : Specular Clear			**-B35** : 35°		**-DUN** : 120V/277V 0-10V, ELV, Triac Dimming*	
• Tilts 40°	**S** : Satin Haze						
	RP : Specular Graphite						

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   *** Available in July 2017. Not available with 1400Lm Option.

3" RECESSSED LED HOUSING 550 - 650Lm
ROUND | NEW CONSTRUCTION & REMODEL | 12W/550-650 LM
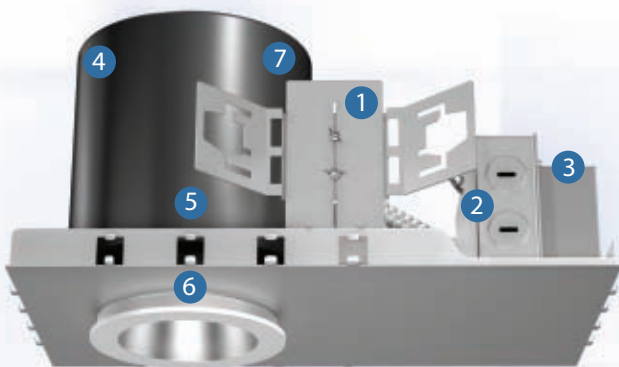
ARCHITECTURAL SPECIFICATION

Lumen Package	12W, 550 to 650 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for some items.
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Bat-Wing bar hanger brackets adjust 3¼" vertically for multiple ceiling types and accepts ½" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or metal/wood joists.

2. Pre-wired 16 gauge galvanized steel junction box, 32 cubic inches for maximum of (8) 12 AWG wires. Furnished with (7) ¾" and (4) Romex knockouts. Strain clamps to install/remove covers for easy access.

3. Electronic Direct Current UL Listed Driver is mounted in or on the J-box, away from the LED for cooler operation.

4. Available for New Construction and Remodel applications.

5. Housing is rated for Insulation Contact.

6. Pre-wired housing adjusts up to 1¼" ceiling thickness.

7. Integral thermal protector guards against improper installation.

PHOTOMETRY   LR3LH21W-B45

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.97
White	0.87	3,000K	1.00
Clear	1.00	3,500K	1.01
		4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	394.92	64.00
0-30	543.24	88.00
0-40	593.17	96.10
0-60	615.91	99.80
0-90	617.44	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
12'	4 X 4	40.0	1.8:1
12'	4 X 6	33.0	1.6:1
12'	6 X 6	19.0	2.1:1

CANDELA TABULATION

1638.36, CBCP

PHOTOMETRY   LR3LH21W-B60

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.97
White	0.87	3,000K	1.00
Clear	1.00	3,500K	1.01
		4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	393.31	55.10
0-30	571.60	80.10
0-40	650.79	91.20
0-60	699.00	98.00
0-80	709.39	99.40
0-90	713.47	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
10'	4 X 4	47.0	1.6:1
10'	4 X 6	33.0	2.0:1
10'	6 X 6	23.0	2.3:1

CANDELA TABULATION

1560.16, CBCP

3" RECESSSED LED TRIM 550 – 650 Lm
DOWNLIGHT | WALL WASH | ADJUSTABLE | LENSED | SQUARE NARROW APERTURE

High-output miniature architectural-grade LED reflector trim for commercial and high-end residential installations. Designed for low to medium height ceilings. Trim ring constructed of heavy-duty die-cast aluminum.

BENEFITS

- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- New High Output 12W LED (6W version available, consult).
- Specification grade 90CRI Option
- LEDs binned to within 3-Step MacAdam Ellipses (SDCM)

HOUSING FRAME ORDERING

Example: **LHJLD312C35UE-DUN-EM**

HOUSING#	DRIVER	OPTION
LHJLD312C35 : New Construction	**Blank** : 120V Non-Dimming	**Blank** : None
LHBLD3R12C35 : Remodel	**-DIN** : 120V Incandescent Dimming	**-EM** : Emergency**
	UE : 120V / 277V	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	
	UE-DHL : Hi-Lume Dimming (120V/277V)	
	-347-D10 : 0-10V 10% Dimming	

** 5W, Remote. Above ceiling access required for EM option.
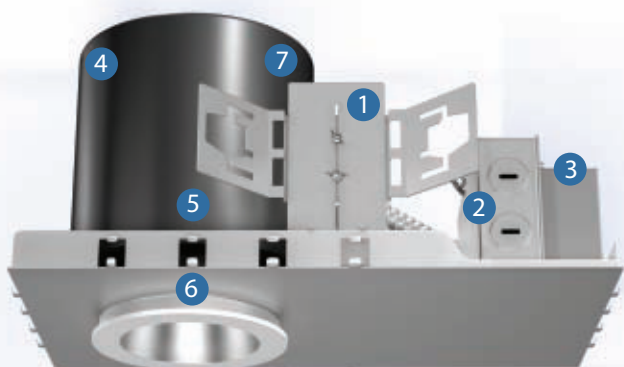
LED TRIM ORDERING

Example: **LR3LH71WW-B25-T17-WL**

TRIM STYLE	REFLECTOR/BAFFLE	FINISH	BEAM SPREAD	LED	RATING
LR3LH21 : Downlight | 650Lm	**Blank** : Frosted Clear	**W** : White	**Blank** : 45° Narrow Flood	**Blank** : 3000K	**Blank** : Damp Location
	W : White	**B** : Black	**-B25** : Spot*	**-C90** : 3000K, 90CRI	**-WL** : Wet Location
	B : Black	**N** : Natural	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	
		CO : Copper		**-T17** : 1700K*	
		MO : Mocha		**-T25** : 2500K*	
LR3LH71 : Wall Wash | 650Lm	**Blank** : Frosted Clear	**W** : White	**Blank** : 45° Narrow Flood	**-T27** : 2700K	**Blank** : Damp Location
	W : White	**B** : Black	**-B25** : Spot*	**-T27-C90** : 2700K, 90+ CRI	**-WL** : Wet Location
	B : Black	**N** : Natural	**-B60** : 60° Wide Flood	**-T27-C97** : 2700K, 97CRI**	
		CO : Copper		**-T35** : 3500K	
		MO : Mocha		**-T40** : 4000K	
LR3LH88 : Adjustable | 650Lm	--- Not Applicable ---	**W** : White	**Blank** : 45° Narrow Flood	**-TWD** : 1850K-2700K [8] (Warm Dimming)	**Blank** : Damp Location
		B : Black	**-B25** : Spot*		**-WL** : Wet Location
• Tilts 25°		**N** : Natural	**-B60** : 60° Wide Flood		
LR3LH00 : Lensed | 550Lm	--- Not Applicable ---	**W** : White	--- Not Applicable ---		**Blank** : Damp Location
		B : Black			**-WL** : Wet Location
		N : Natural			
		CO : Copper			
		MO : Mocha			
LR3LHQ19 :	**Blank** : White	**W** : White	**Blank** : 45° Narrow Flood		**Blank** : Damp Location
	B : Black	**B** : All Black	**-B25** : Spot*		**-WL** : Wet Location
Square Narrow Aperture | 650Lm		**C** : Chrome	**-B60** : 60° Wide Flood		

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   [8] LR3LH21 & LR3LHQ19 only.

3" RECESSSED LED HOUSING 1,200Lm
ROUND | NEW CONSTRUCTION & REMODEL | 19W/1,200 LM

ARCHITECTURAL SPECIFICATION

Lumen Package	19W, 1200 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Bat-Wing bar hanger brackets adjust 3¼" vertically for multiple ceiling types and accepts ½" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or metal/wood joists.

2. Pre-wired 16 gauge galvanized steel junction box, 32 cubic inches for maximum of (8) 12 AWG wires. Furnished with (7) ¾" and (4) Romex knockouts. Strain clamps to install/remove covers for easy access.

3. Electronic Direct Current UL Listed Driver is mounted in or on the J-box, away from the LED for cooler operation.

4. Available for New Construction and Remodel applications.

5. Housing is rated for Insulation Contact.

6. Pre-wired housing adjusts up to 1¼" ceiling thickness.

7. Integral thermal protector guards against improper installation.

PHOTOMETRY

LR3LH L08121604

System Power	: 19.0W
Test File No.	: L08121604
Lum. Diameter	: 2.04"
Color Temperature	: 3050K
CRI	: 80.0+
Lumens Delivered	: 1,148
Power Factor	: 1.0

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.97
White	0.87	3,000K	1.00
Clear	1.00	3,500K	1.01
		4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	734.55	64.00
0-30	1010.43	88.00
0-40	1103.30	96.10
0-60	1145.59	99.80
0-90	1148.43	100.00

CANDELA TABULATION

25° SPOT				45° NARROW FLOOD				60° WIDE FLOOD			
CBCP : 4,478 Maximum Candela				CBCP : 3,047 Maximum Candela				CBCP : 2,786 Maximum Candela			
HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%	HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%	HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	83.1	15'	37'	7	60.8	19'	37'	7	55.9	20'	40'
8	69.1	17'	40'	8	47.3	22'	42'	8	42.9	23'	45'
9	54.0	22'	46'	9	37.4	25'	46'	9	33.9	27'	50'
12	30.2	25'	60'	10	30.2	27'	48'	10	27.8	30'	56'
15	19.7	30'	75'	12	20.9	33'	62'	12	19.3	35'	65'

3" RECESSSED LED TRIM 1,200 Lm
DOWNLIGHT | WALL WASH | LENSED | SQUARE NARROW APERTURE

High-output miniature architectural-grade LED reflector trim for commercial and high-end residential installations. Designed for low to medium height ceilings. Trim ring constructed of heavy-duty die-cast aluminum.

BENEFITS

- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- Miniature aperture is perfect for hard to light spaces and allows uncluttered ceilings.
- Specification grade 90CRI Option

- LEDs binned to within 3-Step MacAdam Ellipses (SDCM)
- Powerful: over 1200 lumens delivered
- Replaces obsolete or inefficient lamps. Equivalent to 75W MR16

HOUSING FRAME ORDERING

Example: **LHJLD319C70UE-DUN-EM**

HOUSING#	DRIVER	OPTION
LHJLD319C70 : New Construction*	**Blank** : 120V Non-Dimming	**Blank** : None
	-DIN : 120V Incandescent Dimming	**-EM** : Emergency**
	UE : 120V / 277V	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	
	UE-DHL : Hi-Lume Dimming (120V/277V)	
	-347-D10 : 0-10V 10% Dimming	

* Not rated for Insulation Contact.   ** 5W, Remote. Above ceiling access required for EM option.

LED TRIM ORDERING

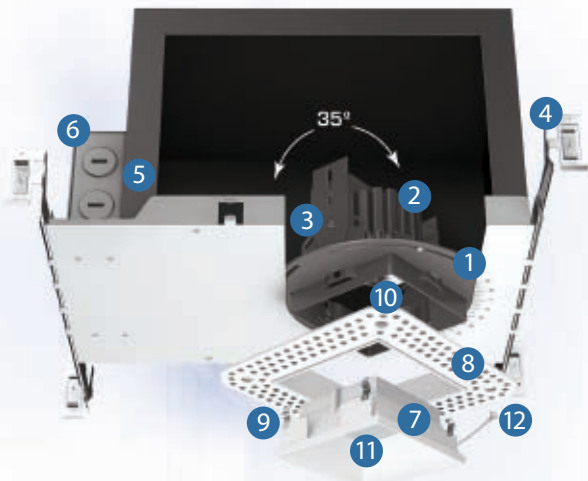Example: **LR3LH71BW-L12-B25-T17-WL**

TRIM STYLE	REFLECTOR/BAFFLE	FINISH	BEAM SPREAD	LED	RATING
LR3LH21 : Downlight	1200Lm	**Blank** : Frosted Clear	**W-L12** : White	**Blank** : 45° Narrow Flood	**Blank** : 3000K	**Blank** : Damp Location
	W : White	**B-L12** : Black	**-B25** : Spot*	**-C90** : 3000K, 90CRI	**-WL** : Wet Location
	B : Black	**N-L12** : Natural	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	
		CO-L12 : Copper		**-T17** : 1700K*	
		MO-L12 : Mocha		**-T25** : 2500K*	
LR3LH71 : Wall Wash	1200Lm	**Blank** : Frosted Clear	**W-L12** : White	**Blank** : 45° Narrow Flood	**-T27** : 2700K	**Blank** : Damp Location
	W : White	**B-L12** : Black	**-B25** : Spot*	**-T27-C90** : 2700K, 90+ CRI	**-WL** : Wet Location
	B : Black	**N-L12** : Natural	**-B60** : 60° Wide Flood	**-T27-C97** : 2700K, 97CRI**	
		CO-L12 : Copper		**-T35** : 3500K	
		MO-L12 : Mocha		**-T40** : 4000K	
LR3LH00 : Lensed	1200Lm	--- Not Applicable ---	**W-L12** : White	--- Not Applicable ---		**Blank** : Damp Location
		B-L12 : Black			**-WL** : Wet Location
		N-L12 : Natural			
		CO-L12 : Copper			
		MO-L12 : Mocha			
LR3LHQ19 :	**Blank** : White	**W-L12** : White	**Blank** : 45° Narrow Flood		**Blank** : Damp Location
	B : Black	**B-L12** : All Black	**-B25** : Spot*		**-WL** : Wet Location
		C-L12 : Chrome	**-B60** : 60° Wide Flood		
Square Narrow Aperture	1200Lm				

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.

3" RECESSED LED SQUARE **HOUSING** 600 - 1,200Lm
DIMMABLE | MINIARC | ADJUSTABLE 12W/19W SQUARE | 3½" SQUARE CUT OUT

ARCHITECTURAL SPECIFICATION

Lumen Packages	*12W, Up to 600 Lumens, 19W, 1200 Lumens*
CCT	*1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for 12W.*
CRI	*80+ CRI, 90+ CRI Optional*
Lumen Maintenance	*50,000 hours L70 life based on ANSI TM-21 calculations from LM80 Standardized tests.*
IC Rating	*Rated for Insulation Contact and Airtight.*
Dimming Options	*ELV 5%, Incandescent 5%*, 0-10V*
Emergency Options	*EM: 5W, Includes Remote Test Switch, plate cover and j-box.*
Input	*120V, 120V/277V Universal Option*

1. Housing collar printed with hash marks in 5º increments for 45º of rotation. Collar bracket adjusts vertically from ½" to 1" ceiling thickness
2. Effective thermal dissipation facilitated by precision-forged aluminum heat sink
3. The LED assembly allows 35º of angle adjustment and adjusts 1½" vertically to allow positioning the lamp
4. Included hanger bars equipped with nail-less install and serrated barbed studs with captive nails
5. Electronic Direct Current UL Listed Driver is mounted in or on the J-box, away from the LED for cooler operation
6. Pre-wired 16 gauge galvanized steel junction box
7. Trims are fully die-cast aluminum and powder-coated white for long lasting beauty
8. Trim includes a die-cast perforated mesh flange for installations in drywall or plaster ceilings
9. Trims held firmly into place by four (4) steel clips
10. Three beamspreads: Spot, Narrow Flood, Wide Flood
11. Available with frosted lens or lens-free
12. Trim equipped with earthquake structural safety cable

PHOTOMETRY LHQLD319C70-B25

MULTIPLIERS		ZONAL LUMEN SUMMARY			RECOMMENDED LAYOUT			
COLOR TEMPERATURE		**ZONE**	**LUMENS**	**%FIXT**	**HEIGHT**	**SPACING**	**FC**	**MIN/MAX**
2,700K	0.97	0-20	773.72	55.00	8'	6 X 6	48.0	2.5:1
3,000K	1.00	0-30	1000.64	78.20	10'	6 X 6	45.0	1.9:1
3,500K	1.01	0-40	1292.48	91.90	12'	6 X 6	44.0	1.9:1
4,000K	1.03	0-60	1379.14	98.00	10'	8 X 8	25.0	2.2:1
		0-80	1403.03	99.70	12'	8 X 8	24.0	2.0:1
		0-90	1407.03	100.00				

CANDELA TABULATION

1120 / 2239 / 3359 / 4479

4474.821, CBCP

PHOTOMETRY LHQLD319C70

MULTIPLIERS		ZONAL LUMEN SUMMARY			RECOMMENDED LAYOUT			
COLOR TEMPERATURE		**ZONE**	**LUMENS**	**%FIXT**	**HEIGHT**	**SPACING**	**FC**	**MIN/MAX**
2,700K	0.97	0-20	734.55	64.00	12'	6 X 6	20.0	1.7:1
3,000K	1.00	0-30	1010.43	88.00	8'	8 X 8	38.0	2.0:1
3,500K	1.01	0-40	1103.30	96.10	10'	8 X 8	37.0	1.3:1
4,000K	1.03	0-60	1145.59	99.80				
		0-80	1148.21	100.00				
		0-90	1148.43	100.00				

CANDELA TABULATION

762 / 1524 / 2286 / 3047

3047.350, CBCP

3" RECESSED LED SQUARE TRIM 600 - 1,200Lm
1-PIECE DIE-CAST │ DOWNLIGHT │ LENSED ADJUSTABLE

Designed for low to medium ceiling heights in retail, hospitality, commercial and high-end residential applications. Advanced 'hot-aiming' mechanism allows precise and lockable positioning of the square trim prior to drywall or ceiling panel installation. Post installation adjustment of the beam tilt is possible from below the fixture.

BENEFITS

- 120V/277V Option
- New Highly Adjustable 3" Square LED housing (LHQLD3) works with LRQ3 and LRXQ3 Phantom Trims
- 12W delivers 600 lumens, 19W delivers 1200 lumens
- Incandescent/ELV Dimming Option
- 0-10V Dimming Option
- Lutron® HiLume 1% Dimming Option

- Remote emergency battery back-up option
- Housing includes LED and aiming mechanism
- Small, unobtrusive 3" size trims
- Seamless Die-cast construction trims for a rich appearance and superior durability
- Frosted lens eliminates lamp image and softens the light

LRQ302W │ Lensed Reflector

LRQ321W │ Open Reflector

35° tilt
LRQ371W │ Lensed Wall Wash

35° tilt
LRQ372W │ Open Wall Wash

PHOTOMETRY   LHQLD319C70-B60

MULTIPLIERS

COLOR TEMPERATURE

2,700K	0.97
3,000K	1.00
3,500K	1.01
4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	702.33	55.10
0-30	1020.72	80.10
0-40	1162.13	91.20
0-60	1248.21	98.00
0-80	1266.76	99.40
0-90	1274.06	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
8'	6 X 6	40.0	1.7:1
10'	6 X 6	40.0	1.2:1
12'	6 X 6	39.0	1.1:1
10'	8 X 8	22.0	2.1:1
12'	8 X 8	22.0	1.4:1

CANDELA TABULATION

2786, CBCP

ORDERING LED SQUARE HOUSING AND TRIM

Example: **LHQLD312C35UE-B25-T40/LRQ371W-WL**

HOUSING/WATTAGE	OPTION	BEAM SPREAD	LED	TRIM	FINISH	RATING
LHQLD312C35 : 12W	**Blank** : 120V Non-Dimming	**Blank** : 45° Narrow FL	**Blank** : 3000K	/**LRQ321**	**W** : White	**Blank** : Damp Location
LHQLD319C70 : 19W ^	**UE** : 120V/277V	**-B25** : Spot*	**-C90** : 3000K, 90CRI	/**LRQ302**		**-WL** : Wet Location ***
	UE-D10 : 120V/277V 0-10V****	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	/**LRQ371**		
	UE-DUN : 120V-277V UniDim™ ++		**-T17** : 1700K*	/**LRQ372**		
	-DIN : 120V Incandescent Dimming		**-T25** : 2500K*			
	-EM : Remote 5W Emergency +		**-T27** : 2700K			
	-347-D10 : 0-10V 10% Dimming		**-T27-C90** : 2700K, 90+ CRI			
			-T27-C97 : 2700K, 97CRI**			
			-T35 : 3500K			
			-T40 : 4000K			
			-TWD : 1850K-2700K **** (Warm Dimming)			

* Ext. lead time may apply. Consult factory.   ** Only available in 2700K & 3000K.   *** For lensed version only.   **** Only for 12W.   ^ Not rated for IC.   + Above ceiling access required.   ++ Ext. lead time may apply for quantities over 100.

3-INCH SQUARE LED DOWNLIGHT

Designed for low to medium ceiling heights in retail, hospitality, commercial and high-end residential applications. Advanced 'hot-aiming' mechanism allows precise and lockable positioning of the square trim prior to drywall or ceiling panel installation. Post installation adjustment of the beam tilt is possible from below the fixture.

3" RECESSED LED FLANGELESS SQUARE TRIM 600 – 1,200 Lm

1-PIECE DIE-CAST | DOWNLIGHT | LENSED DOWNLIGHT | ADJUSTABLE | LENSED ADJUSTABLE

Flangeless 3" 12W/600Lm & 19W/1,200Lm Mini-Arc Square LED Housing (Dimmable). Advanced 'hot-aiming' mechanism allows precise and lockable positioning of the square trim prior to drywall or ceiling panel installation. Post installation adjustment of the beam tilt is possible from below the fixture.

BENEFITS

- 120V/277V Option
- New Highly Adjustable 3" Square LED housing (LHQLD3) works with LRQ3 and LRXQ3 Phantom Trims
- 12W delivers 600 lumens, 19W delivers 1200 lumens
- Incandescent/ELV Dimming Option
- 0-10V Dimming Option
- Lutron® HiLume 1% Dimming Option

- Remote emergency battery back-up option
- Housing includes LED and aiming mechanism
- Creates a flat ceiling, zero sight line appearance
- Supplied with earthquake safety tether
- Seamless Die-cast construction trims for a rich appearance and superior durability
- Frosted lens eliminates lamp image and softens the light

LRXQ302W | Lensed Reflector

LRXQ321W | Open Reflector

35° tilt

LRXQ371W | Lensed Wall Wash

35° tilt

LRXQ372W | Open Wall Wash

PHOTOMETRY   LHQLD319C70-B25

MULTIPLIERS

COLOR TEMPERATURE

2,700K	0.97
3,000K	1.00
3,500K	1.01
4,000K	1.03

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	773.72	55.00
0-30	1000.64	78.20
0-40	1292.48	91.90
0-60	1379.14	98.00
0-80	1403.03	99.70
0-90	1407.03	100.00

RECOMMENDED LAYOUT

HEIGHT	SPACING	FC	MIN/MAX
8'	6 X 6	48.0	2.5:1
10'	6 X 6	45.0	1.9:1
12'	6 X 6	44.0	1.9:1
10'	8 X 8	25.0	2.2:1
12'	8 X 8	24.0	2.0:1

CANDELA TABULATION

4474.821, CBCP

ORDERING LED SQUARE HOUSING AND TRIM   Example: **LHQLD312C70UE-B60-T40/LRXQ321W-WL**

HOUSING/WATTAGE	OPTION	BEAM SPREAD	LED	TRIM	FINISH	RATING
LHQLD312C35 : 12W	**Blank** : 120V Non-Dimming	**Blank** : 45º Narrow FL	**Blank** : 3000K	/**LRXQ321**	**W** : White	**Blank** : Damp Location
LHQLD319C70 : 19W ^	**UE** : 120V/277V	**-B25** : Spot*	**-C90** : 3000K, 90CRI	/**LRXQ302**		**-WL** : Wet Location ***
	UE-D10 : 120V/277V 0-10V****	**-B60** : 60º Wide Flood	**-C97** : 3000K, 97CRI**	/**LRXQ371**		
	UE-DUN : 120V-277V UniDim™ ++		**-T17** : 1700K*	/**LRXQ372**		
	-DIN : 120V Incandescent Dimming		**-T25** : 2500K*			
	-EM : Remote 5W Emergency +		**-T27** : 2700K			
	-347-D10 : 0-10V 10% Dimming		**-T27-C90** : 2700K, 90+ CRI			
			-T27-C97 : 2700K, 97CRI**			
			-T35 : 3500K			
			-T40 : 4000K			
			-TWD : 1850K-2700K **** (Warm Dimming)			

* Ext. lead time may apply. Consult factory.   ** Only available in 2700K & 3000K.   *** For lensed version only.   **** Only for 12W.   ^ Not rated for IC.   + Above ceiling access required.   ++ Ext. lead time may apply for quantities over 100.

3.5" RECESSED LED **HOUSING** 650Lm
ROUND | NEW CONSTRUCTION & REMODEL | 12W/650 LM

ARCHITECTURAL SPECIFICATION

Lumen Package	12W, 650 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for some items.
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Bat-Wing bar hanger brackets adjust 3¼" vertically for multiple ceiling types and accepts ½" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or metal/wood joists.

2. Pre-wired 16 gauge galvanized steel junction box, 32 cubic inches for maximum of (8) 12 AWG wires. Furnished with (7) ¾" and (4) Romex knockouts. Strain clamps to install/remove covers for easy access.

3. Electronic Direct Current UL Listed Driver is mounted in or on the J-box, away from the LED for cooler operation.

4. Available for New Construction and Remodel applications.

5. Housing is rated for Insulation Contact.

6. Pre-wired housing adjusts up to 1¼" ceiling thickness.

7. Integral thermal protector guards against improper installation.

PHOTOMETRY   LR4LH21SW-B25

MULTIPLIERS				ZONAL LUMEN SUMMARY			RECOMMENDED LAYOUT				CANDELA TABULATION
FINISHES		COLOR TEMP		ZONE	LUMENS	%FIXT	HEIGHT	SPACING	FC	MIN/MAX	
Black	0.70	2,700K	0.97	0-20	416.62	55.00	8'	4 X 4	53.0	1.1:1	
White	0.87	3,000K	1.00	0-30	592.65	78.20	8'	6 X 6	25.0	1.8:1	
Satin	0.90	3,500K	1.01	0-40	695.95	91.90	10'	4 X 4	53.0	1.1:1	
Clear	1.00	4,000K	1.03	0-60	742.61	98.00	10'	6 X 6	25.0	1.6:1	
				0-80	755.48	99.70	12'	6 X 6	23.0	1.4:1	
				0-90	757.63	100.00					

2411.584, CBCP

PHOTOMETRY   LR4LH21SW

MULTIPLIERS				ZONAL LUMEN SUMMARY			RECOMMENDED LAYOUT				CANDELA TABULATION
FINISHES		COLOR TEMP		ZONE	LUMENS	%FIXT	HEIGHT	SPACING	FC	MIN/MAX	
Black	0.70	2,700K	0.97	0-20	394.92	64.00	8'	4 X 4	43.0	1.2:1	
White	0.87	3,000K	1.00	0-30	543.24	88.00	8'	6 X 6	21.0	2.1:1	
Satin	0.90	3,500K	1.01	0-40	593.17	96.10	10'	4 X 4	43.0	1.0:1	
Clear	1.00	4,000K	1.03	0-60	615.91	99.80	10'	6 X 6	20.0	1.4:1	
				0-90	617.44	100.00					

1638.36, CBCP

3.5" RECESSED LED TRIM 650Lm
DOWNLIGHT | ADJ. WALL WASH | FIXED & ADJ. PINHOLE | SQUARE NARROW APERTURE

High-output miniature architectural-grade LED reflector trim for commercial and high-end residential installations. Designed for low to medium height ceilings. Trim ring constructed of heavy-duty die-cast aluminum.

BENEFITS

- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- New High Output 12W LED (6W version available, consult).
- Insulated Ceiling (IC) Rated Housing
- Singular Optic LED
- LEDs binned to within 3-Step MacAdam Ellipses (SDCM)

HOUSING FRAME ORDERING

Example: **LHJLD412C35UE-DUN-EM/HB24**

HOUSING#	OPTION	EMERGENCY	ACCESSORIES
LHJLD412C35 : 12W New Construction	**Blank** : None	**Blank** : None	**Blank** : None
LHBLD4R12C35 : 12W Remodel	**-DIN** : 120V Incandescent Dimming	**-EM** : Emergency **	**/HB24** : Adjustable Hanger Bar Set
	UE : 120V / 277V		**/C260-J** : Adj. C-Channel Hanger Bar Set
	UE-D10 : 120V-277V (0-10V Dimming)		
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)		
	UE-DHL : Hi-Lume Dimming (120V/277V)		
	-DMX : DMX Dimming*		
	-347-D10 : 0-10V 10% Dimming		

*New Construction only.   ** Above ceiling access required for EM option.

LED TRIM ORDERING

Example: **LR4LH71WW-B25-T17-WL**

TRIM STYLE	REFLECTOR FINISH	BEAM SPREAD	LED	RATING
LR4LH21 : Downlight | 650Lm 	**W** : All White **BB** : All Black **SW** : Satin Haze Reflector / White Ring **N** : All Natural Metal	**Blank** : 45° Narrow Flood **-B25** : Spot* **-B60** : 60° Wide Flood	**Blank** : 3000K **-C90** : 3000K, 90CRI **-C97** : 3000K, 97CRI** **-T17** : 1700K* **-T25** : 2500K*	**Blank** : Damp Location **-WL** : Wet Location
LR4LH71 : Adjustable | 650Lm 40° tilt	**BW** : Black Reflector / White Ring **SW** : Satin Haze Reflector / White Ring **WW** : White Reflector / White Ring	**Blank** : 45° Narrow Flood **-B25** : Spot* **-B60** : 60° Wide Flood	**-T27** : 2700K **-T27-C90** : 2700K, 90+ CRI **-T27-C97** : 2700K, 97CRI** **-T35** : 3500K **-T40** : 4000K	**Blank** : Damp Location **-WL** : Wet Location
LR4LH16 : Adj. Pinhole | 650Lm 40° tilt	**BW** : Black Reflector / White Ring **WW** : White Reflector / White Ring	**Blank** : 45° Narrow Flood **-B60** : 60° Wide Flood	**-TWD** : 1850K-2700K [8] (Warm Dimming)	
LR4LH19 : Fixed Pinhole | 650Lm 	**BW** : Black Reflector / White Ring **WW** : White Reflector / White Ring	**Blank** : 45° Narrow Flood **-B60** : 60° Wide Flood		
LR4LHQ21 : Square Narrow Aperture | 650Lm 40° tilt	**BB** : All Black **W** : All White **BC** : Black Baffle / Chrome Ring **BW** : Black Reflector / White Ring	**Blank** : 45° Narrow Flood **-B25** : Spot* **-B60** : 60° Wide Flood		**Blank** : Damp Location **-WL** : Wet Location

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   [8] LR4LH21 & LR4LHQ21 only.

3.5" RECESSED LED **HOUSING** 1,200Lm
ROUND | NEW CONSTRUCTION & REMODEL | 19W/1,200 LM

ARCHITECTURAL SPECIFICATION

Lumen Package	19W, 1200 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for some items.
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Bat-Wing bar hanger brackets adjust 3¼" vertically for multiple ceiling types and accepts ½" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or metal/wood joists.

2. Pre-wired 16 gauge galvanized steel junction box, 32 cubic inches for maximum of (8) 12 AWG wires. Furnished with (7) ¾" and (4) Romex knockouts. Strain clamps to install/remove covers for easy access.

3. Electronic Direct Current UL Listed Driver is mounted in or on the J-box, away from the LED for cooler operation.

4. Available for New Construction and Remodel applications.

5. Housing is rated for Insulation Contact.

6. Pre-wired housing adjusts up to 1¼" ceiling thickness.

7. Integral thermal protector guards against improper installation.

PHOTOMETRY

LR4LH L08121604

System Power	: 19.0W
Test File No.	: L08121604
Lum. Diameter	: 2.04"
Color Temperature	: 3050K
CRI	: 80.0+
Lumens Delivered	: 1,148
Power Factor	: 1.0

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.90
White	0.87	3,000K	1.00
Clear	1.00	3,500K	1.01
		4,000K	1.13

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	734.55	64.00
0-30	1010.43	88.00
0-40	1103.30	96.10
0-60	1145.59	99.80
0-90	1148.43	100.00

CANDELA TABULATION

25° SPOT
CBCP : 4,478 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	83.1	15'	37'
8	69.1	17'	40'
9	54.0	22'	46'
12	30.2	25'	60'
15	19.7	30'	75'

45° NARROW FLOOD
CBCP : 3,047 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	60.8	19'	37'
8	47.3	22'	42'
9	37.4	25'	46'
10	30.2	27'	48'
12	20.9	33'	62'

60° WIDE FLOOD
CBCP : 2,786 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	55.9	20'	40'
8	42.9	23'	45'
9	33.9	27'	50'
10	27.8	30'	56'
12	19.3	35'	65'

3.5" RECESSED LED TRIM 1,200Lm
DOWNLIGHT | ADJ. WALL WASH | FIXED & ADJ. PINHOLE | SQUARE NARROW APERTURE

High-output miniature architectural-grade LED reflector trim for commercial and high-end residential installations. Designed for low to medium height ceilings. Trim ring constructed of heavy-duty die-cast aluminum.

BENEFITS

- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- Single LED Optics mimics single point MR16 appearance

- Powerful: over 1200 lumens delivered
- Miniature aperture is perfect for hard to light spaces and allows uncluttered ceilings

HOUSING FRAME ORDERING

Example: **LHJLD419C70UE-D10-EM/C260-J**

HOUSING#	OPTION	EMERGENCY	ACCESSORIES
LHJLD419C70 : 19W New Construction*	**Blank** : None	**Blank** : None	**Blank** : None
LHBLD4R19C70 : 19W Remodel	**-DIN** : 120V Incandescent Dimming	**-EM** : Emergency**	**/HB24** : Adjustable Hanger Bar Set
	UE : 120V / 277V		**/C260-J** : Adj. C-Channel Hanger Bar Set
	UE-D10 : 120V-277V (0-10V Dimming)		
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)*		
	UE-DHL : Hi-Lume Dimming (120V/277V)		
	-347-D10 : 0-10V 10% Dimming		

* Not rated for Insulation Contact.   ** Remote 5W Emergency. New Construction only.

LED TRIM ORDERING

Example: **LR4LH71WW-L12-B25-T17-WL**

TRIM STYLE	REFLECTOR FINISH	BEAM SPREAD	LED	RATING
LR4LH21 : Downlight	1200Lm	**W-L12** : All White	**Blank** : 45° Narrow Flood	**Blank** : 3000K	**Blank** : Damp Location
	BB-L12 : All Black	**-B25** : Spot*	**-C90** : 3000K, 90CRI	**-WL** : Wet Location
	N-L12 : All Natural Metal	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	
	SW-L12 : Satin Haze Reflector / White Ring		**-T17** : 1700K*	
			-T25 : 2500K*	
LR4LH71 : Adjustable	1200Lm	**BW-L12** : Black Reflector / White Ring	**Blank** : 45° Narrow Flood	**-T27** : 2700K	**Blank** : Damp Location
	SW-L12 : Satin Haze Reflector / White Ring	**-B25** : Spot*	**-T27-C90** : 2700K, 90+ CRI	**-WL** : Wet Location
40° tilt	**WW-L12** : White Reflector / White Ring	**-B60** : 60° Wide Flood	**-T27-C97** : 2700K, 97CRI**	
LR4LH16 : Adj. Pinhole	1200Lm	**BW-L12** : Black Reflector / White Ring	**Blank** : 45° Narrow Flood	**-T35** : 3500K	
	WW-L12 : White Reflector / White Ring	**-B60** : 60° Wide Flood	**-T40** : 4000K	
40° tilt				
LR4LH19 : Fixed Pinhole	1200Lm	**BW-L12** : Black Reflector / White Ring	**Blank** : 45° Narrow Flood		
	WW-L12 : White Reflector / White Ring	**-B60** : 60° Wide Flood		
LR4LHQ21 :	**BB-L12** : All Black	**Blank** : 45° Narrow Flood		**Blank** : Damp Location
	W-L12 : All White	**-B25** : Spot*		**-WL** : Wet Location
	BC-L12 : Black Baffle / Chrome Ring	**-B60** : 60° Wide Flood		
	BW-L12 : Black Reflector / White Ring			
Square Narrow Aperture	1200Lm 40° tilt				

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   ⁸ LR4LH21 & LR4LHQ21 only.

3.5" RECESSED LED HOUSING 650Lm
ROUND | FLANGELESS | NEW CONSTRUCTION | 12W/650 LM

ARCHITECTURAL SPECIFICATION

Lumen Package	12W, 650 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses. 1850K-2700K Warm Dimming available for some items.
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Housing painted black to reduce stray light
2. Internal gasketing of power supply to eliminate vibration noise
3. Easy access power supply mounted inside box for easy maintenance
4. Fully die-cast architectural trims
5. Die-cast plaster frame for seamless integration with ceiling
6. Pre-set mounting holes for ½", ⅝", ¾", and 1" ceiling thickness for easy installation
7. Adjustable 24" hanger bars included with housing

Architectural-grade recessed "Trimless" downlight for low to medium height ceilings for residential and commercial installations.

Flangeless trim design provides a "clean" unobstructed "zero-sight" line ceiling.

PHOTOMETRY

LRX4LH L08121604

System Power	: 12.0W
Test File No.	: L08121604
Lum. Diameter	: 2.04"
Color Temperature	: 3000K
CRI	: 80.0+
Lumens Delivered	: 650
Power Factor	: 1.0

MULTIPLIERS

FINISHES		COLOR TEMP	
Black	0.70	2,700K	0.90
White	0.87	3,000K	1.00
Clear	1.00	4,000K	1.13

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-20	394.92	64.00
0-30	543.24	88.00
0-40	593.17	96.10
0-60	615.91	99.80
0-90	617.44	100.00

CANDELA TABULATION

180°
80°
70°
60°
50°
40°
30°
20°
10°
410
819
1229
1638

3.5" RECESSED LED FLANGELESS TRIM 650Lm
DOWNLIGHT REFLECTOR | DOWNLIGHT BAFFLE | ADJUSTABLE SLOT | LENSED | PINHOLE

Architectural-grade recessed "Trimless" downlight for low to medium height ceilings for residential commercial installations. Trimless design provides a clean unobstructed "zero-sight" line ceiling. Die-Cast aluminum plaster frame disc installed on housing for easy installation. A variety of trims, compatible styles and finishes are available to achieve the proper décor and illumination.

BENEFITS

- 277V input option. New High Output 12W LED
- Driver mounted away from LED for cooler operation
- LED binned to within 3-Step MacAdam Ellipses (SDCM)
- Specification grade 90 CRI Option
- Illuminates like 50W MR16. Singular Optic LED
- Warm Dimming Option (Incandescent-like dimming)

HOUSING FRAME ORDERING

Example: **LHXLD412C35UE-DUN-EM**

HOUSING#	DRIVER	OPTION
LHXLD412C35 : 12W New Construction	**Blank** : 120V Non-Dimming	**Blank** : None
	-DIN : 120V Incandescent Dimming	**-EM** : Emergency
	UE : 120V / 277V Non-Dimming	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	
	DHL : Hi-Lume Dimming (120V/277V)*	

* Not available for Remodel. Only dims in 120V.

LED TRIM ORDERING

Example: **LRX4LH21SW-B30-T27**

TRIM STYLE	TRIM FINISH	BEAM SPREAD	LED
LRX4LH21 : Flangeless Downlight	650Lm	**W** : All White	**Blank** : 45° Narrow Flood	**Blank** : 3000K
	SW : Satin Reflector/White Ring	**-B30** : 30° Spot	**-C90** : 3000K, 90CRI
		-B60 : 60° Wide Flood	**-C97** : 3000K, 97CRI**
			-T17 : 1700K*
			-T25 : 2500K*
LRX4LH73 : Flangeless Downlight (Baffle)	650Lm	**W** : White	**Blank** : 45° Narrow Flood	**-T27** : 2700K
		-B30 : 30° Spot	**-T27-C90** : 2700K, 90+ CRI
		-B60 : 60° Wide Flood	**-T27-C97** : 2700K, 97CRI**
			-T35 : 3500K
			-T40 : 4000K
LRX4LH20 : Flangeless Adjustable	650Lm 45° tilt	**W** : White	**Blank** : 45° Narrow Flood	**-TWD** : 1850K-2700K Warm Dimming
		-B30 : 30° Spot	
		-B60 : 60° Wide Flood	
LRX4LH19 : Flangeless (Fixed) Pinhole	650Lm	**W** : White	**Blank** : 45° Narrow Flood	
		-B30 : 30° Spot	
		-B60 : 60° Wide Flood	
LRX4LH22 : Flangeless Lensed	650Lm	**W** : White	**Blank** : 45° Narrow Flood	
		-B30 : 30° Spot	
		-B60 : 60° Wide Flood	

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.

3.5" RECESSED LED **HOUSING** 1,200Lm
ROUND | FLANGELESS | NEW CONSTRUCTION | 19W/1200 LM

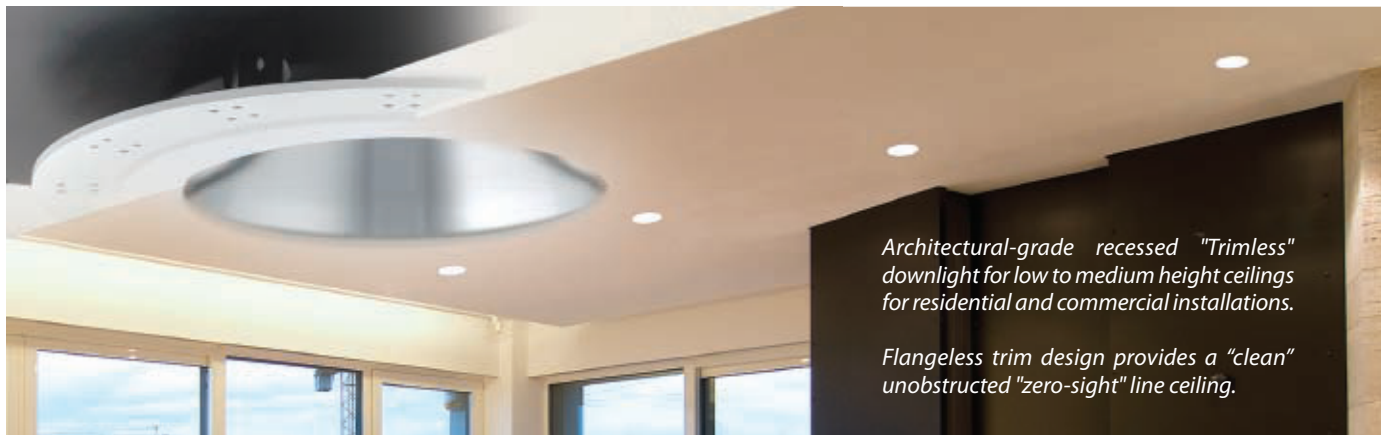## ARCHITECTURAL SPECIFICATION

Lumen Package	19W, 1200 Lumens
CCT	1700K, 2500K, 2700K, 2700K 90CRI, 2700 97CRI, 3000K, 3000K 90CRI, 3000K 97CRI, 3500K, and 4000K Binned to 3-step Macadam Ellipses.
CRI	80+ Standard, 90+ Option
Lumen Maintenance	50,000 hours L70 Life based on ANSI TM-21 calculations from LM80 Standardized testing
IC Rating	Rated for Insulation Contact and Airtight.
Dimming Options	0-10V 120V/277V, Hi-Lume 1% 120V/277V, UniDim™ Universal Dimming, TRIAC/ELV Dimming
Emergency Options	EM: 5W, Includes Remote Test Switch, Plate cover and j-box.
Input	120V, 120V/277V Universal Option

1. Housing painted black to reduce stray light
2. Internal gasketing of power supply to eliminate vibration noise
3. Easy access power supply mounted inside box for easy maintenance
4. Fully die-cast architectural trims
5. Die-cast plaster frame for seamless integration with ceiling
6. Pre-set mounting holes for ½", ⅝", ¾", and 1" ceiling thickness for easy installation
7. Adjustable 24" hanger bars included with housing

Architectural-grade recessed "Trimless" downlight for low to medium height ceilings for residential and commercial installations.

Flangeless trim design provides a "clean" unobstructed "zero-sight" line ceiling.

25º SPOT

CBCP : 4,478 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	83.1	15'	37'
8	69.1	17'	40'
9	54.0	22'	46'
12	30.2	25'	60'
15	19.7	30'	75'

45º NARROW FLOOD

CBCP : 3,047 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	60.8	19'	37'
8	47.3	22'	42'
9	37.4	25'	46'
10	30.2	27'	48'
12	20.9	33'	62'

60º WIDE FLOOD

CBCP : 2,786 Maximum Candela

HEIGHT (Ft)	CBFC	Ø @ 50%	Ø @ 90%
7	55.9	20'	40'
8	42.9	23'	45'
9	33.9	27'	50'
10	27.8	30'	56'
12	19.3	35'	65'

3.5" RECESSED LED FLANGELESS TRIM 1,200Lm
DOWNLIGHT REFLECTOR | DOWNLIGHT BAFFLE | ADJUSTABLE SLOT | LENSED | PINHOLE

Architectural-grade recessed "Trimless" downlight for low to medium height ceilings for residential commercial installations. Trimless design provides a clean unobstructed "zero-sight" line ceiling. Die-Cast aluminum plaster frame disc installed on housing for easy installation. A variety of trims, compatible styles and finishes are available to achieve the proper décor and illumination.

BENEFITS

• 277V input option. New High Output 19W LED
• Driver mounted away from LED for cooler operation
• LED binned to within 3-Step MacAdam Ellipses (SDCM)

• Specification grade 90 CRI Option
• Illuminates like 75W MR16. Singular Optic LED

HOUSING FRAME ORDERING

Example: **LHXLD419C70UE-DUN-EM**

HOUSING#	DRIVER	OPTION
LHXLD419C70 : 19W New Construction	**Blank** : 120V Non-Dimming	**Blank** : None
	-DIN : 120V Incandescent Dimming	**-EM** : Emergency
	UE : 120V / 277V Non-Dimming	
	UE-D10 : 120V-277V (0-10V Dimming)	
	UE-DUN : 120V-277V (ELV/ 0-10V Universal Dimming)	
	DHL : Hi-Lume Dimming (120V/277V)*	

* Not available for Remodel. Only dims in 120V.

LED TRIM ORDERING

Example: **LRX4LH21SW-L12-B25-C97**

TRIM STYLE	TRIM FINISH	BEAM SPREAD	LED
LRX4LH21 : Flangeless Downlight | 1200Lm	**W-L12** : All White	**Blank** : 45° Narrow Flood	**Blank** : 3000K
	SW-L12 : Satin Reflector/White Ring	**-B25** : 25° Spot	**-C90** : 3000K, 90CRI
		-B60 : 60° Wide Flood	**-C97** : 3000K, 97CRI**
			-T17 : 1700K*
			-T25 : 2500K*
LRX4LH73 : Flangeless Downlight (Baffle) | 1200Lm	**W-L12** : White	**Blank** : 45° Narrow Flood	**-T27** : 2700K
		-B25 : 25° Spot	**-T27-C90** : 2700K, 90+ CRI
		-B60 : 60° Wide Flood	**-T27-C97** : 2700K, 97CRI**
LRX4LH20 : Flangeless Adjustable | 1200Lm	**W-L12** : White	**Blank** : 45° Narrow Flood	**-T35** : 3500K
45° tilt		**-B25** : 25° Spot	**-T40** : 4000K
		-B60 : 60° Wide Flood	
LRX4LH19 : Flangeless (Fixed) Pinhole | 1200Lm	**W-L12** : White	**Blank** : 45° Narrow Flood	
		-B25 : 25° Spot	
		-B60 : 60° Wide Flood	
LRX4LH22 : Flangeless Lensed | 1200Lm	**W-L12** : White	**Blank** : 45° Narrow Flood	
		-B25 : 25° Spot	
		-B60 : 60° Wide Flood	

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.

4" RECESSED LED DOWNLIGHT **HOUSING & TRIM** 1,100-3,500Lm
LHALD4/LRALD4 SERIES

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 vsprings for a tight fit and easy scratch-less removal.

1 Specification Grade, 90 CRI Standard
2 New 25°, 45°, and 60° Options
3 Low Glare Dual-Optical Design
4 Tool-Less LED Module Replacement

BENEFITS

• Heavy-duty aluminum LED connector for firm connection
• Driver mounted on external J-Box for cooler LED operation
• Exclusive UniDimTM Universal LED Dimming Option works with 0-10V, ELV and Incandescent Control Systems

HOUSING FRAME ORDERING

Example: **LHALD411C35UE-DUN-GTD/C260-J**

HOUSING #	DRIVER	OPTION	HANGER BAR
	Blank : 120V Non Dimming ^^^	**Blank** : None	
LHALD411C35 : New Construction	**UE** : 120V/277V Non Dimming	**-GTD** : Generator Transfer Device	
	UE-D10 : 120V-277V (0-10V 10% Dimming)	**-EM2** : Emergency (10W)	**/L270** : Linear Hanger Bar Set
	UE-D10P1 : 120V-277V (0-10V 1% Dimming) ^^		
LHALD425C072 : New Construction	**-D10P1** : 120V-277V (0-10V 1% Dimming) ^		
LHALD4R25C072 : Remodel	**UE-DUN** : 120V-277V (ELV/ 0-10V Universal Dimming)		**/C260** : C-Channel Hanger Bar Set
	UE-DLI : 120V/277V DALI Dimming ^		
LHALD440C105 : New Construction	**UE-DEC** : 120V/277V Lutron Ecosystem ^^		
	UE-DHL : Hi-Lume 1% Dimming (120V/277V) ^^		**/C260-J** : Adj. C-Channel Hanger Bar Set
	UE-DMX : 120V/277V DMX Dimming *		
	-DIN : 120V/277V DMX Dimming ^^^		
	-DINPZ : 120V Incandescent 2-Wire 0% Dimming ^^		
	UE-347 : 347V (0-10V) ^		
	-347-D10 : 0-10V 10% Dimming ^^^		

* Not for Remodel.   ^ 25W only.   ^^ 25W & 40W.   ^^^ 11W only.

11W
25W
40W

LED TRIM ORDERING
(Trim Wattage must match Housing Frame Wattage above)

Example: **LRALD4SWF160-B60-T27**

TRIM STYLE	FINISH	LUMEN PACKAGE	BEAM SPREAD	LED	BEAM TILT
LRALD4 : Downlight | 1100Lm 1600Lm	**WWF** : All White	**062** : 1100Lm	**Blank** : 45° Flood	**Blank** : 3000K	
	SSF : All Satin	**160** : 1600Lm	**-B25** : 25° Narrow Flood	**-C90** : 3000K, 90CRI	
	SWF : Satin/White		**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	
				-T17 : 1700K*	
				-T25 : 2500K*	
LRALD4 : Downlight | 2000Lm 3000Lm	**WWF** : All White	**152** : 2000Lm 25W LED		**-T27** : 2700K	
	SSF : All Satin	**242** : 3000Lm 25W LED		**-T27-C97** : 2700K, 97CRI**	
	SWF : Satin/White			**-T35** : 3500K	
				-T40 : 4000K	
LRALD4 : Downlight | 3500Lm	**WWF** : All White	**350** : 3500Lm		**-TWD** : 1850K-3050K (Warm Dimming)***	
	SSF : All Satin				
	SWF : Satin/White				

11W
25W
40W

* Extended lead time may apply. Consult factory.   ** Only available in 2700K and 3000K.   *** Only available for 2000Lm package.

4" RECESSED LED WALL WASH **HOUSING & TRIM** 1,100-3,500Lm
LHALD4/LRALD471 SERIES

Architectural-grade recessed LED downlight utilizes a lens-controlled redirection of the beamspread to light walls, art, signs and graphics.

1 Specification Grade, 90CRI and 97CRI options
2 All lumen packages use the same housing
3 Smooth, scallop free lumen distribution
4 1% dimming options: 1% 0-10V, 1% DMX

BENEFITS

- Heavy-duty aluminum LED connector for firm connection
- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- New Construction and Remodel
- One piece self-flanged design allows easy installation
- Smooth, scallop free lumen distribution

HOUSING FRAME ORDERING

Example: **LHALD411C35UE-DUN-GTD/C260-J**

HOUSING #	DRIVER	OPTION	HANGER BAR
	Blank : 120V Non Dimming ^^^	**Blank** : None	
11W **LHALD411C35** : New Construction	**UE** : 120V/277V Non Dimming	**-GTD** : Generator Transfer Device	
	UE-D10 : 120V-277V (0-10V 10% Dimming)	**-EM2** : Emergency (10W)	**/L270** : Linear Hanger Bar Set
	UE-D10P1 : 120V-277V (0-10V 1% Dimming) ^^		
25W **LHALD425C072** : New Construction	**-D10P1** : 120V-277V (0-10V 1% Dimming) ^		
LHALD4R25C072 : Remodel	**UE-DUN** : 120V-277V (ELV/ 0-10V Universal Dimming)		**/C260** : C-Channel Hanger Bar Set
	UE-DLI : 120V/277V DALI Dimming ^		
40W **LHALD440C105** : New Construction	**UE-DEC** : 120V/277V Lutron Ecosystem ^^		**/C260-J** : Adj. C-Channel Hanger Bar Set
	UE-DHL : Hi-Lume 1% Dimming (120V/277V) ^^		
	UE-DMX : 120V/277V DMX Dimming *		
	-DIN : 120V/277V DMX Dimming ^^^		
	-DINPZ : 120V Incandescent 2-Wire 0% Dimming ^^		
	UE-347 : 347V (0-10V) ^		
	-347-D10 : 0-10V 10% Dimming ^^^	* Not for Remodel. ^ 25W only. ^^ 25W & 40W. ^^^ 11W only.	

LED TRIM ORDERING
(Trim wattage must match housing frame wattage above)

Example: **LRALD471SWF160-T27-FR**

TRIM STYLE	FINISH	LUMEN PACKAGE	LED	LENS TYPE
LRALD471 : Wall Wash | 1100Lm 1600Lm 11W	**WWF** : All White	**062** : 1100Lm	**Blank** : 3000K	**Blank** : None
	SSF : All Satin	**160** : 1600Lm*	**-C90** : 3000K, 90CRI	**-FR** : Frosted
	SWF : Satin/White		**-C97** : 3000K, 97CRI***	
			-T17 : 1700K**	
			-T25 : 2500K**	
LRALD471 : Wall Wash | 2000Lm 3000Lm 25W	**WWF** : All White	**150** : 2000Lm	**-T27** : 2700K	
	SSF : All Satin	**240** : 3000Lm*	**-T27-C90** : 2700K, 90CRI	
	SWF : Satin/White		**-T27-C97** : 2700K, 97CRI***	
			-T35 : 3500K	
LRALD471 : Wall Wash | 3500Lm 40W	**WWF** : All White	**350** : 3500Lm	**-T40** : 4000K	
	SSF : All Satin			
	SWF : Satin/White			

* Standard in 3000K, 80CRI only.   ** Extended lead time may apply. Consult factory.   *** Only available in 2700K and 3000K.

4" RECESSED LED ADJUSTABLE **HOUSING** 1,500 - 4,000Lm
LHAJLD4 SERIES | 120V-277V | UP TO 4,000 LUMENS | CRI 90+
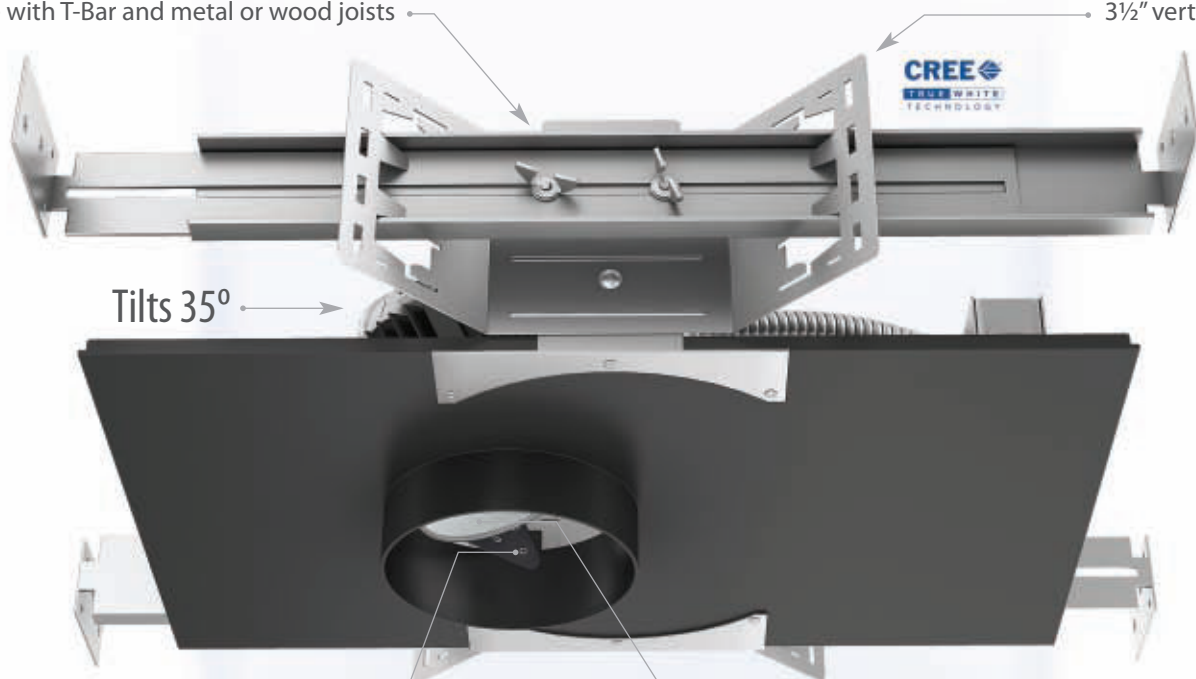
An Exceptionally Versatile Luminaire

Designed to function as a **4-inch** downlight, wall wash and accent light. Perfectly suited for medium height to high ceilings in commercial, architectural and hospitality applications. Exceptional versatility, very tight binning and high CRI make this product a specifier's dream.

New Commercial Grade
heavy-duty steel hanger bar option.
For use with T-Bar and metal or wood joists

Heavy-Duty Bat-Wing
brackets adjust up to
3½" vertically

Tilts 35°

LED Module Holder
Tilts up to 35° for desired
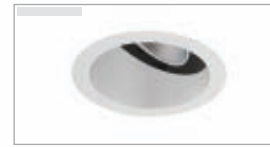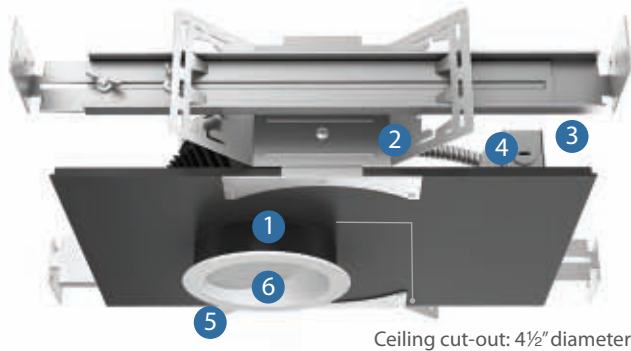beam placement. Adjusts from
below ceiling.

Optic Module
is easily removed from below ceiling for service,
future upgrades or desired changes in beam
spread. No tools required.

4" RECESSED LED ADJUSTABLE TRIM 1,500 – 4,000Lm
LHAJLD4 SERIES | 120V-277V | UP TO 4,000 LUMENS | CRI 90+

Ceiling cut-out: 4½" diameter

LRA471 | Open Reflector

LRA472 | Lensed Reflector

355° 35°
8⅛"
11½"
4¾"
5⅝"
16"

4-inch Architectural-Grade Square Recessed LED Housing designed for medium to high ceiling heights in retail, hospitality, commercial and architectural applications

1 Collar bracket provides 30° of rotation, marked in 5° increments for positioning before drywall installation. Lamp holder assembly allows 35° tilt.

2 Housing for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3¼" for multiple ceiling types. Heavy-duty steel hanger bars (C260-J) optional. Accepts 1/2" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear bar hangers (optional).

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a max. of (8) #12 AWG wires. Furnished with (7) ¾" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

4 Electronic Direct Current LED driver integrally mounted in electric junction box.

5 Solid die-cast aluminum construction for long lasting beauty with Steel V-Spring retainers for tight fit and easy servicing.

6 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.

OPTIONAL HEAVY-DUTY
ADJUSTABLE HANGER BAR SET (C260-J)

Dimmable

BENEFITS

• Features Cree TrueWhite® Technology
• Functions as a Downlight, Wall Wash or Accent Light

• Internal adjustments allow precise aiming of the beam
• Round trim collar rotates to allow exact alignment prior to ceiling finish

ORDERING HOUSING AND TRIM

Example: **LHAJLD450C140UE-DUN-B60-T40/LRA471WWF**

HOUSING	OPTIONS	BEAMSPREAD	LED	TRIM STYLE	FINISH
LHAJLD415C035 : 1500Lm	**UE** : 120V/277V	**Blank** : 45° Flood	**Blank** : 3000K	**/LRA471** Open Reflector	**WWF** : All White
LHAJLD420C050 : 2000Lm	**UE-DUN** : UniDim™ Dimming	**-B25** : 25° Narrow	**-C90** : 3000K, 90CRI		**SSF** : All Satin Haze
LHAJLD425C070 : 2500Lm	**UE-EM** : 120V/277V Emergency	**-B60** : 60° Wide Flood	**-C97** : 3000K, 97CRI**	**/LRA472** Lensed Reflector	**SWF** : Satin Reflector / White Flange
LHAJLD435C105 : 3500Lm	**UE-DUN-EM** : UniDim™ Emergency		**-T17** : 1700K*		
LHAJLD450C140 : 4000Lm			**-T25** : 2500K*		
			-T27 : 2700K		
			-T27-C90 : 2700K, 90+CRI		
			-T27-C97 : 2700K, 97CRI**		
			-T35 : 3500K		
			-T40 : 4000K		

* Extended lead time for quantity over 100.
** Only available in 2700K and 3000K.

ALL LITON ARCHITECTURAL LED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A **5-YEAR LIMITED WARRANTY**

4" RECESSED LED ADJ. SQUARE HOUSING 1,500 - 4,000Lm

LHAJLDQ4 SERIES │ 120V-277V │ UP TO 4,000 LUMENS │ CRI 90+
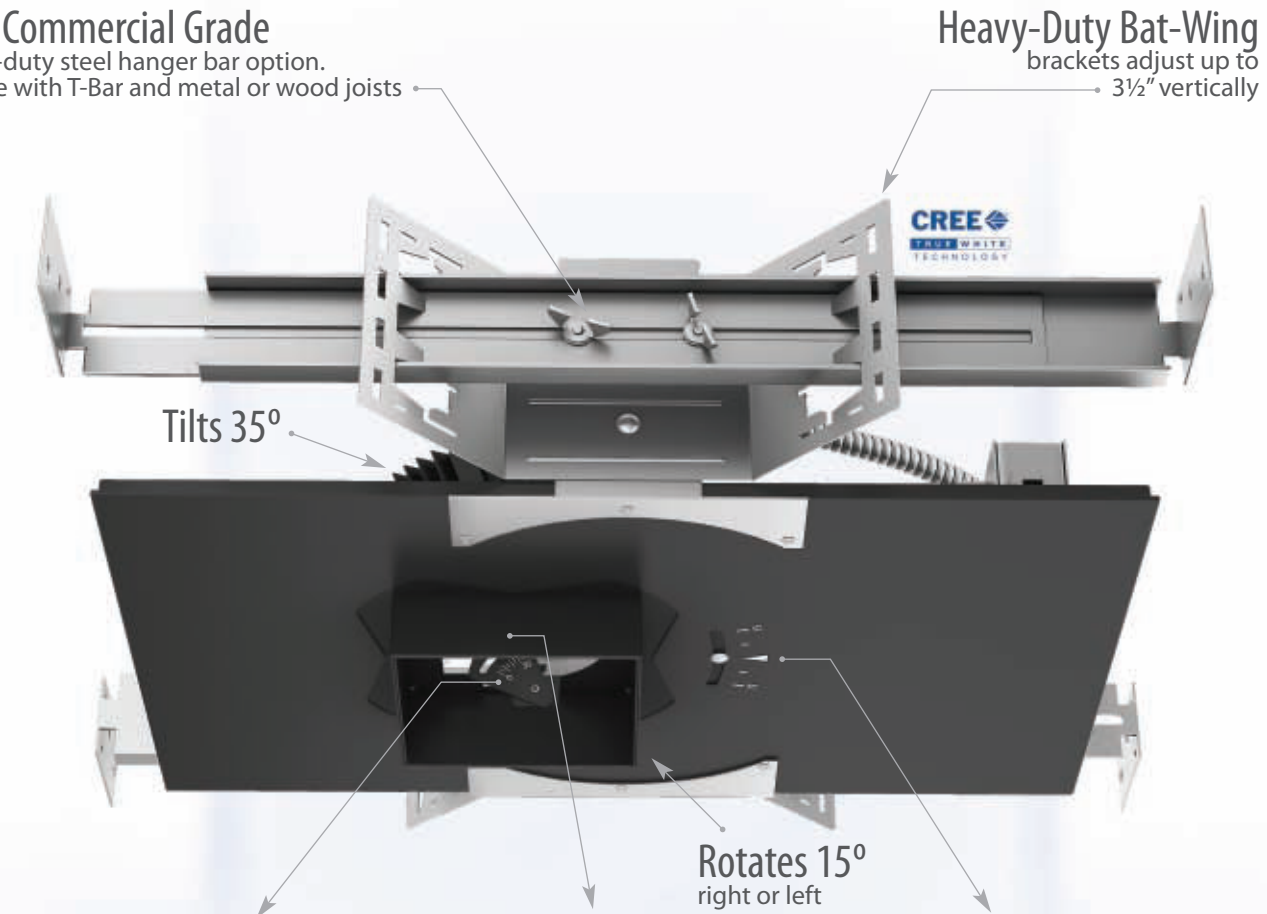
An Exceptionally Versatile Luminaire

Designed to function as a **4-inch square** downlight, wall wash and accent light. Perfectly suited for medium height to high ceilings in commercial, architectural and hospitality applications. Exceptional versatility, very tight binning and high CRI make this product a specifier's dream.

New Commercial Grade
heavy-duty steel hanger bar option. For use with T-Bar and metal or wood joists

Heavy-Duty Bat-Wing
brackets adjust up to 3½" vertically

Tilts 35º

Rotates 15º
right or left

LED Module Holder
Tilts up to 35° for desired beam placement. Adjusts from below ceiling.

Optic Module
is easily removed from below ceiling for service, future upgrades or desired changes in beam spread. No tools required.
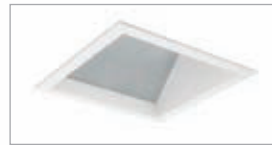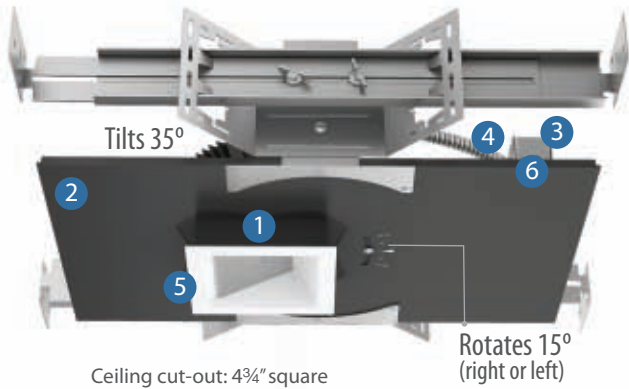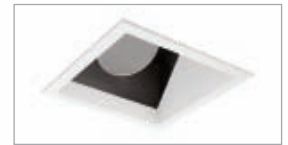
Square Collar
rotates 30° for easy alignment of trims prior to ceiling finish.
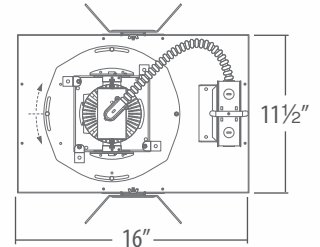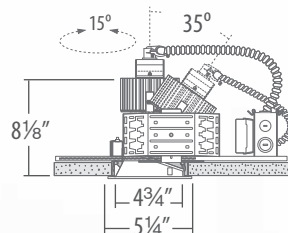
4" RECESSED LED ADJ. SQUARE HOUSING 1,500 - 4,000Lm
LHAJLDQ4 SERIES | 120V-277V | UP TO 4,000 LUMENS | CRI 90+

Tilts 35º

Rotates 15º
(right or left)

Ceiling cut-out: 4¾" square

LRAQ471 | Lensed Wall Wash / Slope

LRAQ472 | Open Wall Wash / Slope

15º   35º

8⅛"

4¾"
5¼"

11½"

16"

4-inch Architectural-Grade Square Recessed LED Housing designed for medium to high ceiling heights in retail, hospitality, commercial and architectural applications

1 Collar bracket provides 30º of rotation, marked in 5º increments for positioning before drywall installation. Lamp holder assembly allows 35º tilt.

2 Housing for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3¼" for multiple ceiling types. Heavy-duty steel hanger bars (C260-J) optional. Accepts 1/2" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear bar hangers (optional).

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a max. of (8) #12 AWG wires. Furnished with (7) ¾" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

4 Electronic Direct Current LED driver integrally mounted in electric junction box.

5 Solid die-cast aluminum construction for long lasting beauty with Steel V-Spring retainers for tight fit and easy servicing.

6 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.

OPTIONAL HEAVY-DUTY
ADJUSTABLE HANGER BAR SET (C260-J)

Dimmable

BENEFITS

• Features Cree TrueWhite® Technology
• Functions as a Downlight, Wall Wash or Accent Light

• Internal adjustments allow precise aiming of the beam
• Square trim collar rotates to allow exact alignment prior to ceiling finish

ORDERING SQUARE HOUSING AND TRIM

Example: **LHAJLDQ450C140UE-DUN-B60-T40/LRAQ472W**

HOUSING	OPTIONS	BEAMSPREAD	LED	TRIM STYLE		FINISH
LHAJLDQ415C035 : 1500Lm	**UE** : 120V/277V	**Blank** : 45º Flood	**Blank** : 3000K	**/LRAQ472** : Open Wall Wash / Slope		**W** : All White
LHAJLDQ420C050 : 2000Lm	**UE-DUN** : UniDim™ Dimming	**-B25** : 25º Narrow	**-C90** : 3000K, 90CRI	**/LRAQ471** : Lensed Wall Wash / Slope		**B** : All Black
LHAJLDQ425C070 : 2500Lm	**UE-EM** : 120V/277V Emergency	**-B60** : 60º Wide Flood	**-C97** : 3000K, 97CRI**			**S** : All Satin
LHAJLDQ435C105 : 3500Lm	**UE-DUN-EM** : UniDim™ Emergency		**-T17** : 1700K*			
LHAJLDQ450C140 : 4000Lm			**-T25** : 2500K*			
			-T27 : 2700K			
			-T27-C90 : 2700K, 90+CRI			
			-T27-C97 : 2700K, 97CRI**			
			-T35 : 3500K			
			-T40 : 4000K			

* Extended lead time for quantity over 100.
** Only available in 2700K and 3000K.

ALL LITON ARCHITECTURAL LED **PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A 5-YEAR LIMITED WARRANTY**
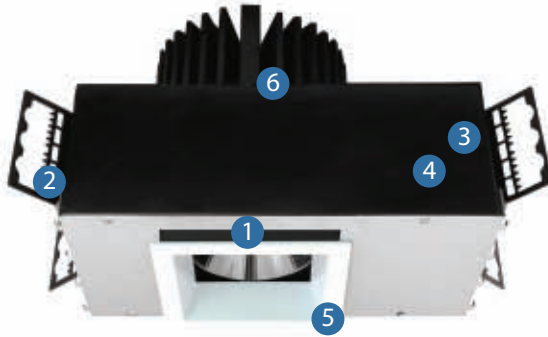
4-INCH RECESSED LED DOWNLIGHT

One piece, self-flanged dual-reflector LED design enables a clean trim finish, without the need for a secondary trim ring.
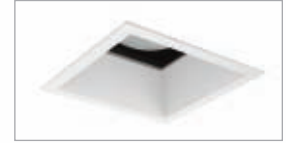
4" RECESSED LED **SQUARE** DOWNLIGHT **HOUSING & TRIM**
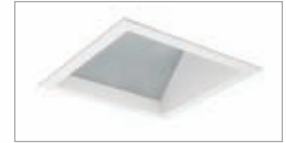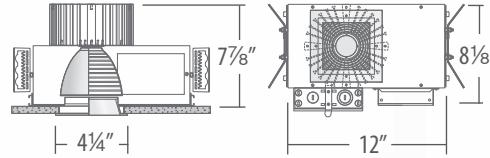## 1,000 - 4,000Lm | 120V-277V | UP TO 4,000 LUMENS | CRI 90+

Ceiling cut-out: 5" square

LRAQ42 | Lensed Reflector

LRAQ41 | Open Reflector

7⅞"   8⅛"

4¼"   12"

LRAQ47 | Lensed Wall Wash

4-inch Architectural-Grade Square Recessed LED Housing can be used as a downlight and as an adjustable wall wash. Collar bracket can be rotated up to 30° and locked-In to insure correct alignment prior to ceiling finish. Internal aiming mechanism allows 35° tilt adjustment from below the ceiling for correct placement of the beam. Designed for medium to high ceiling heights in retail, hospitality, commercial and architectural applications.

1 Collar bracket provides 30° of rotation, marked in 5° increments for positioning before drywall installation. Lamp holder assembly allows 35° tilt.

2 Housing for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3¼" for multiple ceiling types. Heavy-duty steel hanger bars (C260-J) optional. Accepts 1/2" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear bar hangers (optional).

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a max. of (8) #12 AWG wires. Furnished with (7) ¾" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

4 Electronic Direct Current LED driver integrally mounted in electric junction box.

5 Solid die-cast aluminum construction for long lasting beauty with Steel V-Spring retainers for tight fit and easy servicing.

6 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.

OPTIONAL HEAVY-DUTY ADJUSTABLE HANGER BAR SET (C260-J)

Dimmable

BENEFITS

• Features Cree TrueWhite® Technology
• Functions as a Downlight, Wall Wash or Accent Light

• Internal adjustments allow precise aiming of the beam
• Square trim collar rotates to allow exact alignment prior to ceiling finish

ORDERING SQUARE HOUSING AND TRIM

Example: **LHABLDQ450C140UE-DUN-B60-T40/LRAQ42W**

HOUSING	OPTIONS	BEAMSPREAD	LED	TRIM STYLE		FINISH
LHABLDQ412C025 : 1000Lm	**UE** : 120V/277V	**Blank** : 30° Flood	**Blank** : 3000K	**/LRAQ42**	: Reflector w/ Frosted Glass	**W** : All White
LHABLDQ415C035 : 1300Lm	**UE-DUN** : UniDim™ Dimming	**-B20** : 20° Narrow	**-C90** : 3000K, 90CRI	**/LRAQ41**	: Open Reflector	**B** : All Black
LHABLDQ420C050 : 1800Lm	**UE-EM** : 120V/277V Emergency	**-B50** : 50° Wide Flood	**-C97** : 3000K, 97CRI**	**/LRAQ47**	: Wall Wash w/ Frosted Glass	**S** : All Satin
LHABLDQ425C070 : 2300Lm	**UE-DUN-EM** : UniDim™ Emergency		**-T17** : 1700K*			
LHABLDQ435C105 : 3300Lm			**-T25** : 2500K*			
LHABLDQ450C140 : 4000Lm			**-T27** : 2700K			
			-T27-C90 : 2700K, 90+CRI			
			-T27-C97 : 2700K, 97CRI**			
			-T35 : 3500K			
			-T40 : 4000K			

* Extended lead time for quantity over 100.
** Only available in 2700K and 3000K.

ALL LITON ARCHITECTURAL LED **PRODUCTS ARE** ASSEMBLED IN THE USA **& INCLUDE A** 5-YEAR LIMITED WARRANTY

6" RECESSED LED LUMEN BLAST DOWNLIGHT **HOUSING & TRIM**

6,000 - 10,000Lm | POWERFUL ILLUMINATION FOR ARCHITECTURAL HIGH CEILINGS

6-INCH RECESSED LUMEN BLAST LED HOUSING & TRIM • 6,000LM-10,000LM

- Specification Grade 90 CRI Option
- 120V/277V Input Standard
- 50º Glare Cut Off
- 1% Dimming Options 1% 0-10V, 1% DMX

NEW

6,000 Lumens

10,000 Lumens

LED ARCHITECTURAL
6"

Color Temperature Options

1700K, 2500K, 2700K (90CRI / 97CRI), 3000K (90CRI / 97CRI), 3500K, 4000K Binned to within 3-Step MacAdam Ellipses (SDCM) for Architectural Applications demanding high accuracy

3 **Beam Spread** Choices

Spot	Flood	Wide Flood
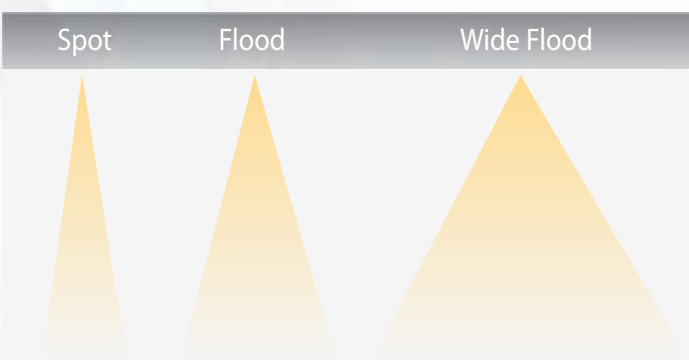
Lumen Blast

Delivers Big Footcandles from High Places
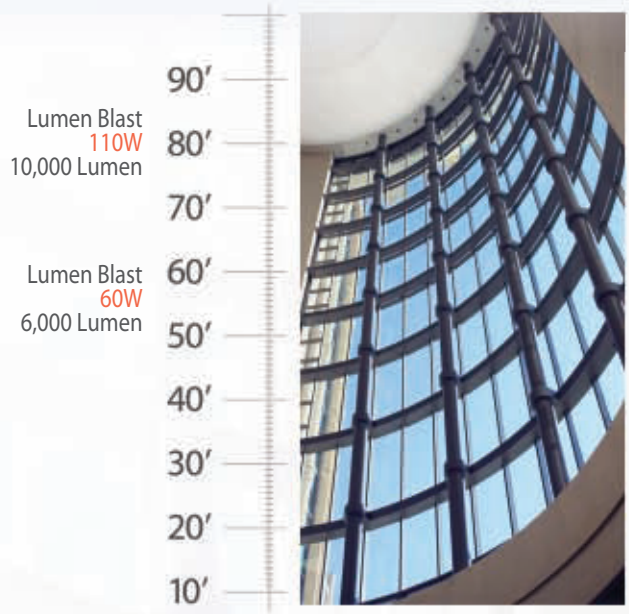
Lumen Blast **110W** 10,000 Lumen

Lumen Blast **60W** 6,000 Lumen

90' 80' 70' 60' 50' 40' 30' 20' 10'

6" RECESSED LED LUMEN BLAST DOWNLIGHT HOUSING & TRIM
6,000 - 10,000Lm | POWERFUL ILLUMINATION FOR ARCHITECTURAL HIGH CEILINGS

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

Dimming
0-10V 1% dimming option (-D10P1) provides deep dimming to 1% of initial lumens. Works with most 5-wire 0-10V dimming systems. Factory qualified for use with Leviton IP710-DLX and Lutron NTFTV-WH. Dimmable to 1% of initial lumens using DMX dimming controls.

ARCHITECTURAL SPECIFICATION

LUMEN PACKAGES	60W (6,000Lm) 110W (10,000Lm)
CCT	1700K, 2500K, 2700K, 3000K, 3500K, 4000K
CRI	80CRI standard, 90CRI and 97CRI option
GLARE CUT-OFF	50°
LED LAMP LIFE	50,000 (L70 from TM21 Calculations based on LM80 Tests)
DIMMING OPTIONS	1% 0-10V, 1% DMX
INPUT	120V/277V

Beam Spread
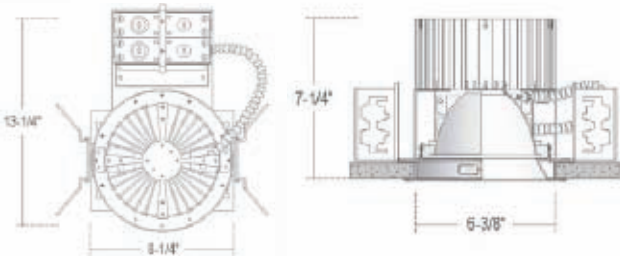Available in Flood, Spot and Wide Flood.

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

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.

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 knockouts. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard die-cast aluminum fitting for flex-conduit.

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.

ORDERING LUMEN BLAST

Example: **LHABLD6100C200UE-DMX-B40-T35/LRA6SSF**

HOUSING	WATTAGE / LUMENS	DIMMING	BEAMSPREAD	CCT	TRIM
LHABLD6	**60C105** : 60W, 6,000Lm	**UE** : 120V/277V Non Dimming	**-B15** : Spot	**Blank** : 3000K	**/LRA6SSF**:
	100C200 : 110W, 10,000Lm*	**UE-DMX** : 1% DMX Dimming	**-B40** : Flood	**-C90** : 3000K, 90CRI	All Satin Haze
		UE-D10 : 10% 0-10V Dimming	**-B70** : Wide Flood	**-C97** : 3000K, 97CRI**	**/LRA6SWF**:
		UE-D10P1 : 120V-277V (0-10V 1% Dimming)		**-T17** : 1700K*	Satin Refl./White Flange
		-DINPZ : 2-Wire 0% Dimming		**-T25** : 2500K*	**/LRA6WWF**:
				-T27 : 2700K	All White
				-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.

ALL LITON ARCHITECTURAL LED **PRODUCTS ARE** ASSEMBLED IN THE USA **& INCLUDE A** 5-YEAR LIMITED WARRANTY

6-INCH RECESSED LED DOWNLIGHT

Architectural-grade recessed downlight reflector for medium to high ceilings in commercial and architectural installations.

6" RECESSED LED DOWNLIGHT **HOUSING & TRIM** 1,200 - 4,000Lm

LHALD6 SERIES │ 1,200LM/1,600LM │ 2,000LM/3,000LM │ 4,000LM

Architectural-grade recessed downlight reflector for medium to high ceilings in commercial and architectural installations.

1 Specification Grade, 90CRI and 97CRI options
2 120V/277V input standard
3 50° glare cut-off
4 1% dimming options: 1% 0-10V, 1% DMX

BENEFITS

- Heavy-duty aluminum LED connector for firm connection
- 277V input and emergency battery back-up options
- Driver mounted away from LED for cooler operation
- New Construction and Remodel

HOUSING FRAME ORDERING

Example: **LHALD612C035UE-DUN-GTD/C260-J**

HOUSING #	DRIVER	OPTION	HANGER BAR
	Blank : 120V Non Dimming	**Blank** : None	
12W LHALD612C035: New Construction	**-DINPZ** : 2-Wire 0% Dimming ^^	**-GTD** : Generator Transfer Device	
LHALD6R12C035 : Remodel	**UE** : 120V/277V Non Dimming	**-EM** : Emergency ^^^	**/L270** : Linear Hanger Bar Set
	UE-D10 : 120V-277V (0-10V 10% Dimming)	**-EM2** : Emergency (10W)	
25W LHALD625C071: New Construction	**UE-D10P1** : 120V-277V (0-10V 1% Dimming) ^^		
LHALD6R25C071 : Remodel	**UE-DUN** : 120V-277V (ELV/ 0-10V Universal Dimming)		**/C260** : C-Channel Hanger Bar Set
	UE-DLI : 120V/277V DALI Dimming ++		
40W LHALD640C105: New Construction	**UE-DEC** : 120V/277V Lutron Ecosystem ++		
LHALD6R40C105 : Remodel	**UE-DZG** : 120V/277V Zigbee Dimming ^^		**/C260-J** : Adj. C-Channel Hanger Bar Set
	UE-DHL : Hi-Lume 1% Dimming (120V/277V)		
	-347-D10 : 0-10V 10% Dimming ^		
	UE-DMX : 120V/277V DMX Dimming ^^		
	-DIN : 120V Incandescent Dimming (12W only)		

+ 12W Remodel only.   ++ 25W only.   ^ 12W & 25W.   ^^ 25W & 40W.   ^^^ 12W & 40W..   x Not for 12W Remodel.

LED TRIM ORDERING

(Trim wattage must match housing frame wattage above)

Example: **LRALD6SWF350-B60-T27-C90-SLP10**

TRIM STYLE	FINISH	LUMEN PACKAGE	BEAM SPREAD	LED	LENS TYPE
12W LRALD6 : Downlight │ 1200Lm 1600Lm	**WWF** : All White	**102** : 1200Lm	**Blank** : Flood	**Blank** : 3000K	**Blank** : None
	SSF : All Satin	**160** : 1600Lm	**-B15** : Spot	**-C90** : 3000K, 90CRI	**-SLP05** : 5°
	SWF : Satin/White		**-B25** : 25° Narrow Flood	**-C97** : 3000K, 97CRI**	**-SLP10** : 10°
			-B60 : 60° Wide Flood	**-T17** : 1700K*	**-SLP15** : 15°
				-T25 : 2500K*	
25W LRALD6 : Downlight │ 2000Lm 3000Lm	**WWF** : All White	**151** : 2000Lm		**-T27** : 2700K	
	SSF : All Satin	**240** : 3000Lm		**-T27-C90** : 2700K, 90+ CRI	
	SWF : Satin/White			**-T27-C97** : 2700K, 97CRI**	
				-T35 : 3500K	
				-T40 : 4000K	
40W LRALD6 : Downlight │ 4000Lm	**WWF** : All White	**350** : 3500Lm		**-TWD** : 1850K-3050K (Warm Dimming)***	
	SSF : All Satin				
	SWF : Satin/White				

* Standard in 3000K, 80CRI only.   ** Extended lead time may apply. Consult Factory.   *** Only available in 2700K and 3000K.

6" RECESSED LED ADJ. HOUSING 1,500 - 4,000Lm
LHAJLD6 | 60W LED | 120V-277V | UP TO 4,000 LUMENS | CRI 90+
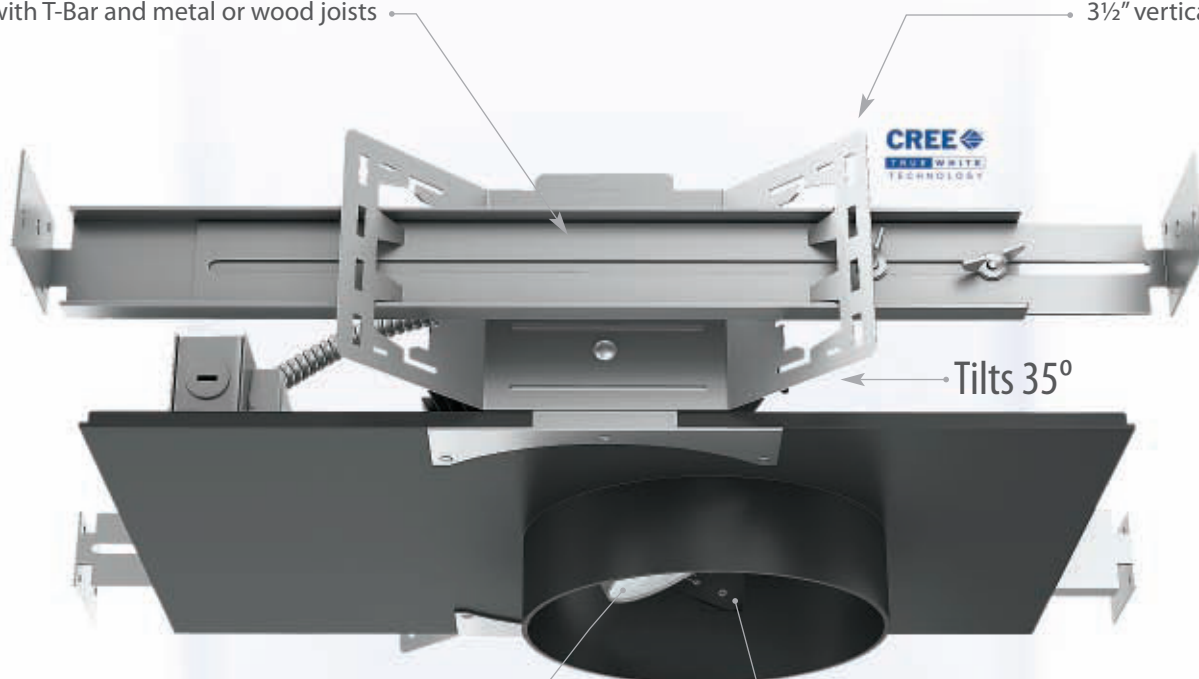
An Exceptionally Versatile Luminaire

Designed to function as a **6-inch** downlight, wall wash and accent light. Perfectly suited for medium height to high ceilings in commercial, architectural and hospitality applications. Exceptional versatility, very tight binning and high CRI make this product a specifier's dream.

New Commercial Grade
heavy-duty steel hanger bar option.
For use with T-Bar and metal or wood joists

Heavy-Duty Bat-Wing
brackets adjust up to 3½" vertically

Tilts 35⁰

Optic Module
is easily removed from below ceiling for service, future upgrades or desired changes in beam spread. No tools required.
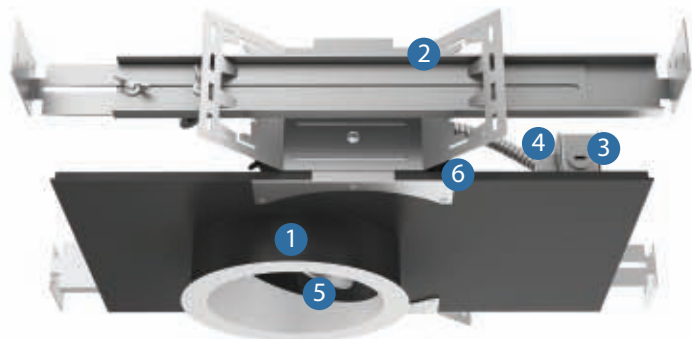
LED Module Holder
Tilts up to 35° for desired beam placement. Adjusts from below ceiling.

6" RECESSED LED ADJUSTABLE TRIM 1,500 - 4,000Lm
LHAJLD6 │ 60W LED │ 120V-277V │ UP TO 4,000 LM

LRA671WWF │ Open Wall Wash

LRA672WWF │ Lensed Wall Wash

Architectural 6" Adjustable Round LED Housings are designed for medium to high ceiling heights in retail, hospitality, commercial and architectural applications. Advanced 'hot-aiming' mechanism allows precise and lockable positioning of the trim prior to finishing the ceiling. Post-installation adjustment of the beam tilt is possible from below the fixture.

1 Collar bracket provides 30° of rotation, marked in 5° increments for positioning before drywall installation. Lamp holder assembly allows 45° tilt.

2 Housing for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3¼" for multiple ceiling types. Heavy-duty steel hanger bars (C260-J) optional. Accepts 1/2" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear bar hangers (optional).

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a max. of (8) #12 AWG wires. Furnished with (7) ¾" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

4 Electronic Direct Current LED driver integrally mounted in electric junction box.

5 Interchangeable optics allow polycarbonate lens to be changed in the field to modify beamspread. No tools required.

6 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.

OPTIONAL HEAVY-DUTY
ADJUSTABLE HANGER BAR SET (C260-J)

Dimmable

BENEFITS

- Features Cree TrueWhite® Technology
- Functions as a Downlight, Wall Wash or Accent Light
- Internal adjustments allow precise aiming of the beam
- Round trim collar rotates to allow exact alignment prior to ceiling finish

ORDERING ROUND HOUSING AND TRIM

Example: **LHAJLD650C140UE-B60-T30/LRA671SSF**

HOUSING#	DIMMING	BEAMSPREAD	LED	TRIM	FINISH
LHAJLD615C035 : 1500Lm	**UE** : 120V/277V	**Blank** : 45° Flood	**Blank** : 3000K	**/LRA671** Open Reflector	**SSF** : All Satin
LHAJLD620C050 : 2000Lm	**UE-DUN** : UniDim™	**-B25** : 25° Narrow FL	**-C90** : 3000K, 90CRI		**SWF** : Satin / White Flange
LHAJLD625C070 : 2500Lm	**UE-EM** : 120V/277V Emergency	**-B60** : 60° Wide FL	**-C97** : 3000K, 97CRI**	**/LRA672** Lensed Reflector	**WWF** : All White
LHAJLD635C105 : 3500Lm	**UE-DUN-EM** : UniDim™ Emergency		**-T17** : 1700K*		
LHAJLD650C140 : 4000Lm			**-T25** : 2500K*		
			-T27 : 2700K		
			-T27-C90 : 2700K, 90+CRI		
			-T27-C97 : 2700K, 97CRI**		
			-T35 : 3500K		
			-T40 : 4000K		* Extended lead time for quantity over 100. ** Only available in 2700K and 3000K.

6" RECESSED LED ADJ. **SQUARE HOUSING** 1,500 - 4,000Lm
LHAJLDQ6 | 60W LED | 120V-277V | UP TO 4,000 LUMENS | CRI 90+

An Exceptionally Versatile Luminaire

Designed to function as a **6-inch square** downlight, wall wash and accent light. Perfectly suited for medium height to high ceilings in commercial, architectural and hospitality applications. Exceptional versatility, very tight binning and high CRI make this product a specifier's dream.

New Commercial Grade
heavy-duty steel hanger bar option.
For use with T-Bar and metal or wood joists

Heavy-Duty Bat-Wing
brackets adjust up to
3½" vertically

CREE
TRUE WHITE
TECHNOLOGY

Tilts 35º

Rotates 15º
right or left

LED Module Holder
Tilts up to 35° for desired beam placement. Adjusts from below ceiling.

Optic Module
is easily removed from below ceiling for service, future upgrades or desired changes in beam spread. No tools required.
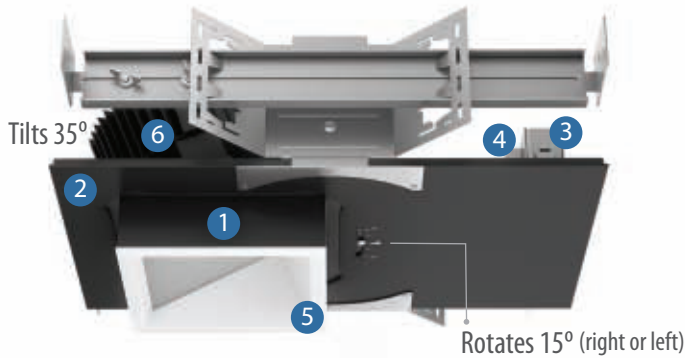
Square Collar
rotates 30° for easy alignment of trims prior to ceiling finish.

6" RECESSED LED ADJUSTABLE **SQUARE TRIM** 1,500 – 4,000Lm
LHAJLDQ6 | 60W LED | 120V–277V | UP TO 4,000 LUMENS | CRI 90+

Tilts 35º
6
4
3
2
1
5
Rotates 15º (right or left)

LRAQ602 | Reflector w/ Lens   **LRAQ621** | Open Reflector
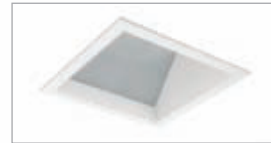
LRAQ671 | Wall Wash w/ Lens   **LRAQ672** | Open Wall Wash

Architectural-Grade Square Recessed LED Housing can be used as a downlight and as an adjustable wall wash. Collar bracket can be rotated up to 30° and locked-In to insure correct alignment prior to ceiling finish. Internal aiming mechanism allows 35° tilt adjustment from below the ceiling for correct placement of the beam. Perfect for most architectural downlight and wall wash applications.

1 Collar bracket provides 30º of rotation, marked in 5º increments for positioning before drywall installation. Lamp holder assembly allows 35º tilt.

2 Housing for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3¼" for multiple ceiling types. Heavy-duty steel hanger bars (C260-J) optional. Accepts 1/2" EMT, 26" C-Channel Strut for T-Bar ceilings and 27" adjustable linear bar hangers (optional).

3 16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a max. of (8) #12 AWG wires. Furnished with (7) ¾" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

4 Electronic Direct Current LED driver integrally mounted in electric junction box.

5 Solid die-cast aluminum construction for long lasting beauty with Steel V-Spring retainers for tight fit and easy servicing.

6 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.

OPTIONAL HEAVY-DUTY
ADJUSTABLE HANGER BAR SET (C260-J)

Dimmable

BENEFITS

• Features Cree TrueWhite® Technology
• Functions as a Downlight, Wall Wash or Accent Light

• Internal adjustments allow precise aiming of the beam
• Square trim collar rotates to allow exact alignment prior to ceiling finish

ORDERING SQUARE HOUSING AND TRIM   Example: **LHAJLDQ650C140UE-DUN-B60-T40/LRAQ602W**

HOUSING#	DIMMING	BEAMSPREAD	LED	TRIM	FINISH
LHAJLDQ615C035 : 1500Lm	**UE** : 120V/277V	**Blank** : 45º Flood	**Blank** : 3000K	**/LRAQ602** : Reflector w/ Frosted Glass +	**W** : All White
LHAJLDQ620C050 : 2000Lm	**UE-DUN** : UniDim™	**-B20** : 25º Narrow FL	**-C90** : 3000K, 90CRI	**/LRAQ621** : Open Reflector	**B** : All Black
LHAJLDQ625C070 : 2500Lm	**UE-EM** : 120V/277V Emergency	**-B60** : 60º Wide FL	**-C97** : 3000K, 97CRI**	**/LRAQ671** : Wall Wash w/ Frosted Glass +	**S** : All Satin
LHAJLDQ635C105 : 3500Lm	**UE-DUN-EM** : UniDim™ Emergency		**-T17** : 1700K*	**/LRAQ672** : Open Wall Wash	
LHAJLDQ650C140 : 4000Lm			**-T25** : 2500K*		
			-T27 : 2700K		
			-T27-C90 : 2700K, 90+CRI		
			-T27-C97 : 2700K, 97CRI**		
			-T35 : 3500K	* Extended lead time for quantity over 100.	
			-T40 : 4000K	** Only available in 2700K and 3000K. + Wet location option.	

ALL LITON ARCHITECTURAL LED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A 5-YEAR LIMITED WARRANTY

OUTDOOR

WALL MOUNT LED 1-DIRECTION
ROUND AND SQUARE │ 1-DIRECTIONAL LED DOWNLIGHT │ 850 LM – 1,250 LM

Housing
Constructed from a round one-piece high grade aluminum extrusion with a rectangular extrusion arm, end cap, faceplate and a mounting plate with a powder coat finish. Includes COB LED, reflector and LED driver. Mounting plate is secured to arm with two (2) flat head Phillips stainless steel screws. Mounting plate installs onto a junction box. Consult factory for junction box mounting sizes.

Benefits
- Uniform, low glare illumination
- Durable, Corrosion-resistant finish
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty

Finish
A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Available in Black, White, Bronze* and Silver*.

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

Dark Sky
Dark Sky compliant when fixture is pointing downward.

LED
Energy efficient 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 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 2700K*, 3000K, 3500K*, 5000K*, 5600K* and 590nm AMBER*.

Faceplate
Round one piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

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.

* Special order, minimum order, and extended lead time may apply. Consult factory.

** Select models.

Application

This WD1 Series directional Wall luminaire can be used in both interior and outdoor settings and can be pointed up or down. Typical locations are in commercial and retail spaces that contain walls and/or columns that require directional lighting. Can be used as a downlight for direct illumination or as an uplight for indirect illumination of architectural facades.
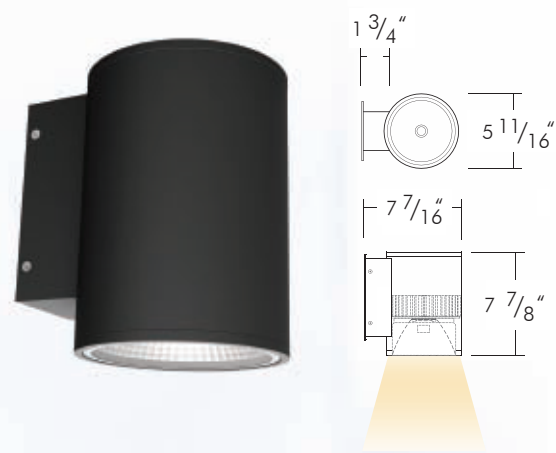
4" WALL MOUNT LED 1-DIRECTION
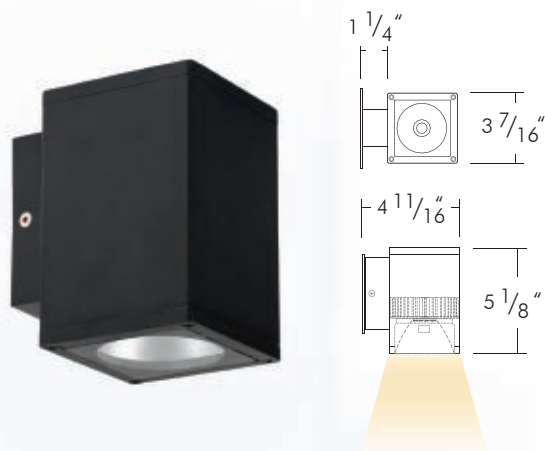**WD1340** | **ROUND 1,000LM** | IP65 | 15W
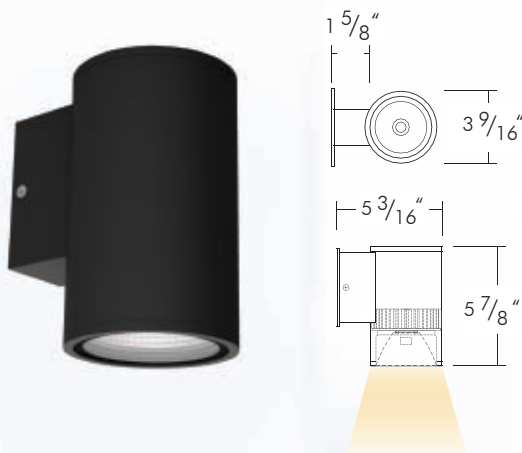
6" WALL MOUNT LED 1-DIRECTION
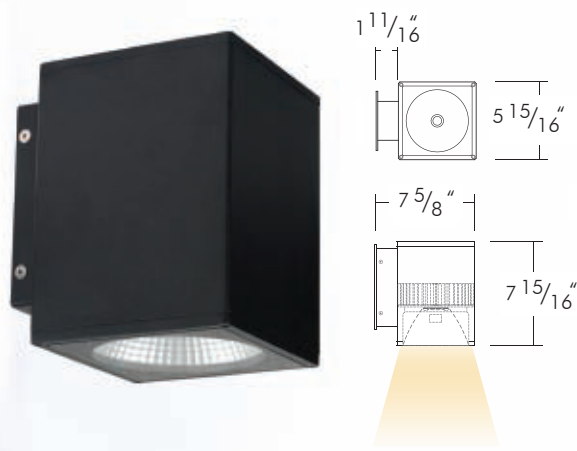**WD1360** | **ROUND 1,000LM** | IP65 | 15W

4" WALL MOUNT LED 1-DIRECTION
WD1Q340 | **SQUARE 850LM** | IP65 | 15W

6" WALL MOUNT LED 1-DIRECTION
WD1Q360 | **SQUARE 1,000LM** | IP65 | 15W

ORDERING 1-DIRECTIONAL LED WALL MOUNT

Example: **WD1340B-T27-EMAC**

ITEM	FINISH	BEAM SPREAD	DIMMING	LED	OPTION
WD1340	**B** : Black	**Blank** : Wide Flood	**Blank** : Non Dimming (120V)	**Blank** : 4000K	**Blank** : None
WD1360	**W** : White	**-B02** : 2° Pencil Beam	**UE-DUN** : UniDim™ (120V/277V)	**-T17** : 1700K*	**-EMAC** : Emergency Back Up
WD1Q340	**BZ** : Bronze*	**-B10** : Narrow Spot		**-T25** : 2500K*	**-SDL** : Daylight Sensor**
WD1Q360	**S** : Silver*	**-B20** : Spot		**-T27** : 2700K*	**-LVR** : Hex-Cell Louver +
		-B45 : Flood		**-T27-C97** : 2700K, 97CRI**	
				-T30 : 3000K	
				-T30-C97 : 3000K, 97CRI**	
				-T35 : 3500K*	
				-T50 : 5000K*	
				-T56 : 5600K*	
				-TAM : 590nm Amber*	

* Extended Lead Time may apply. Consult Factory.   ** Only available in 2700K and 3000K.   + Only for WD1Q340 and WD1Q360.

OUTDOOR

WALL MOUNT LED 2-DIRECTION
ROUND AND SQUARE | 2-DIRECTIONAL LED DOWNLIGHT | (2)850 LM – (2)1,000 LM

Housing

Constructed from a round high grade aluminum extrusion with a rectangular extrusion arm, two (2) faceplates and a mounting plate with a powder coat finish. Includes COB LED, reflector and LED driver. Mounting plate is secured to arm with four (4) flat head Phillips stainless steel screws. Mounting plate installs onto a junction box. Consult factory for junction box mounting sizes.

Benefits

• Uniform, low glare illumination
• Durable, Corrosion-resistant finish
• Emergency back up available
• Singular COB Light Source
• 5 year limited warranty

Dimming

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

Finish

A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Available in Black, White, Bronze* and Silver*.

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.

LED

Energy efficient 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 4-step MacAdam ellipses as recommended by ANSI Standard.

Faceplate

Round one-piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

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.

* Special order, minimum order, and extended lead time may apply. Consult factory.   ** Select models.

Application

This WD2 Series Double directional wall luminaire can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that contain walls and/or columns that require directional lighting. Dual reflector design allows for direct and indirect lighting from a single fixture.
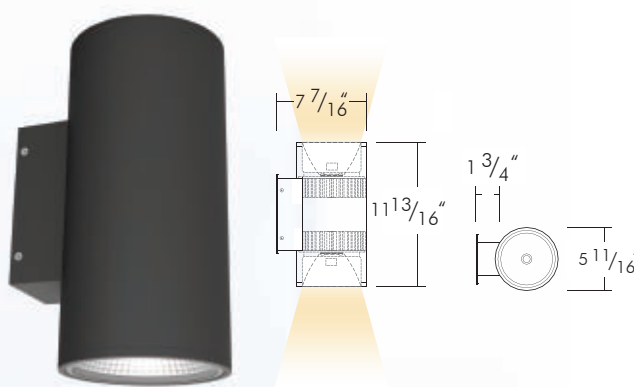
4" WALL MOUNT LED 2-DIRECTION
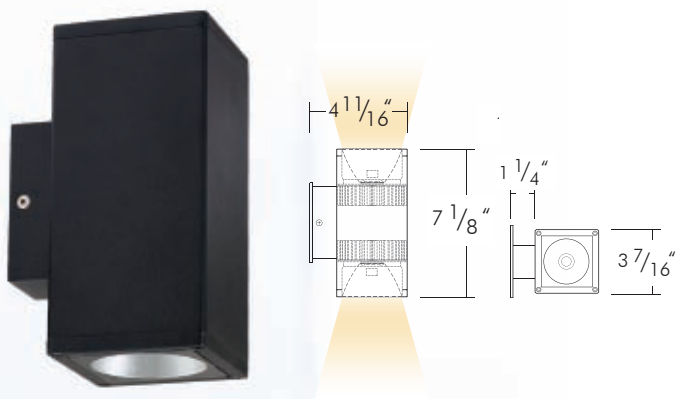**WD2340** | **ROUND** (2x)**1,000LM** | IP65 | (2x)15W

5 3/16" 1 5/8" 8 11/16" 3 9/16"
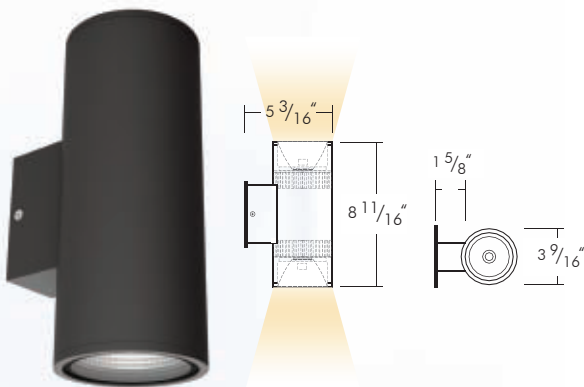
6" WALL MOUNT LED 2-DIRECTION
WD2360 | **ROUND** (2x)**1,000LM** | IP65 | (2x)22W

7 7/16" 1 3/4" 11 13/16" 5 11/16"

4" WALL MOUNT LED 2-DIRECTION
WD2Q340 | **SQUARE** (2x)**850LM** | IP65 | (2x)15W

4 11/16" 1 1/4" 7 1/8" 3 7/16"

6" WALL MOUNT LED 2-DIRECTION
WD2Q360 | **SQUARE** (2x)**1,000LM** | IP65 | (2x)22W

7 5/8" 1 11/16" 11 7/8" 5 15/16"
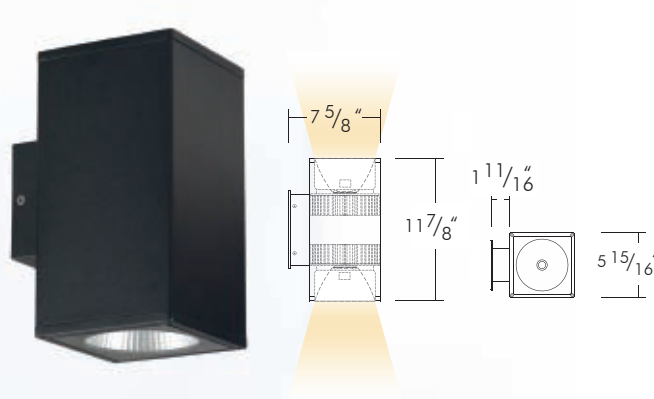
ORDERING 2-DIRECTIONAL LED WALL MOUNT

Example: **WD2340B-T27**

ITEM	FINISH	BEAM (DOWN)	BEAM (UP)	DIMMING	LED
WD2340	**B** : Black	**Blank** : Wide Flood	**Blank** : Wide Flood	**Blank** : Non Dimming (120V)	**Blank** : 4000K
WD2360	**W** : White	**-BD10** : Narrow Spot	**-BU02** : 2° Pencil Beam	**UE-DUN** : UniDim™ (120V/277V)	**-T17** : 1700K**
WD2Q340	**BZ** : Bronze*	**-BD20** : Spot	**-BU10** : Narrow Spot		**-T25** : 2500K**
WD2Q360	**S** : Silver*	**-BD45** : Flood	**-BU20** : Spot		**-T27** : 2700K*
			-BU45 : Flood		**-T27-C97** : 2700K, 97CRI***
					-T30 : 3000K
					-T30-C97 : 3000K, 97CRI***
					-T35 : 3500K*
					-T50 : 5000K*
					-T56 : 5600K*
					-TAM : 590nm Amber*

* Special order, minimum order, and extended lead time may apply. Consult factory.   ** Extended lead time may apply. Consult factory.   ***Only available in 2700K and 3000K.

OUTDOOR

CEILING MOUNT LED DOWNLIGHT
ROUND AND SQUARE | LED CEILING DOWNLIGHT | 1,000 LM – 1,200 LM

Housing
Constructed from a round high grade aluminum extrusion, die cast aluminum top plate, and faceplate with a powder coat finish. Includes COB LED, reflector, LED driver and a mounting plate. Top plate is secured to housing by threads. Mounting plate is secured to top plate with two (2) flat head Phillips stainless steel screws and installs onto a junction box. Consult factory for junction box mounting sizes.

Finish
A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Available in Black, White, Bronze* and Silver*.

LED
Energy efficient 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 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 2700K*, 3000K, 3500K*, 5000K*, 5600K* and 590nm AMBER*.

Benefits
- Uniform, low glare illumination
- Durable, Corrosion-resistant finish
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty

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

Dark Sky
Dark Sky compliant.

Faceplate
Round one-piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

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.

* Special order, minimum order, and extended lead time may apply. Consult factory.

** Select models.

Application

This DL Series covered ceiling mount downlight can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.
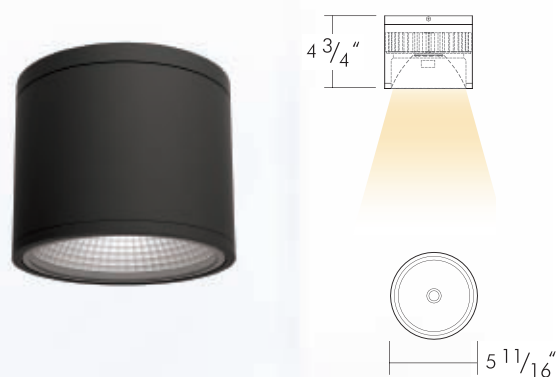
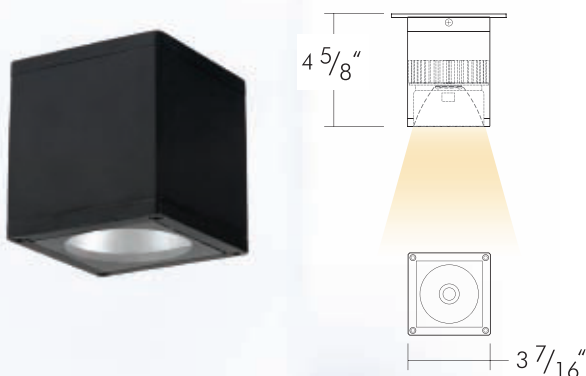## 4" CEILING MOUNT LED **DOWNLIGHT**
DL340 | **ROUND 1,000LM** | IP65 | 11W

4 9/16"

3 9/16"

6" CEILING MOUNT LED **DOWNLIGHT**
DL360 | **ROUND 1,200LM** | IP65 | 15W

4 3/4"

5 11/16"

4" CEILING MOUNT LED **DOWNLIGHT**
DLQ340 | **SQUARE 1,000LM** | IP65 | 15W

4 5/8"

3 7/16"

6" CEILING MOUNT LED **DOWNLIGHT**
DLQ360 | **SQUARE 1,200LM** | IP65 | 15W

4 3/4"

5 15/16"
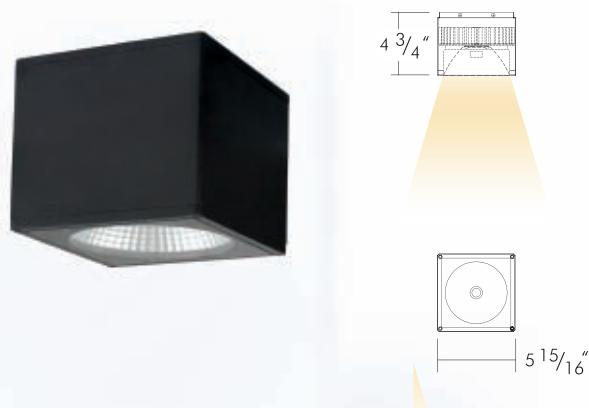
ORDERING ROUND & SQUARE CEILING DOWNLIGHT

Example: **DLQ340B-T27-EMAC**

ITEM	FINISH	BEAM SPREAD	DIMMING	LED	OPTION
DL340	**B** : Black	**Blank** : Wide Flood	**Blank** : Non Dimming (120V)	**Blank** : 4000K	**Blank** : None
DL360	**W** : White	**-B02** : 2° Pencil Beam	**UE-DUN** : UniDim™ (120V/277V)	**-T17** : 1700K**	**-EMAC** : Emergency Back Up
DLQ340	**BZ** : Bronze*	**-B10** : Narrow Spot		**-T25** : 2500K**	**-LVR** : Hex-Cell Louver +
DLQ360	**S** : Silver*	**-B20** : Spot		**-T27** : 2700K*	**-SDL** : Daylight Sensor
		-B45 : Flood		**-T27-C97** : 2700K, 97CRI***	(DLQ360 only).
		-BWW : Wall Wash Optics		**-T30** : 3000K	
				-T30-C97 : 3000K, 97CRI***	
				-T35 : 3500K*	
				-T50 : 5000K*	
				-T56 : 5600K*	
				-TAM : 590nm Amber*	

* Special order, minimum order, and extended lead time may apply. Consult factory. ** Extended Lead Time may apply. Consult Factory.
***Only available in 2700K and 3000K. + Only for WD1Q340 and WD1Q360.

6" SURFACE MOUNT LED LUMEN CUBE 1,800 - 4,000Lm

INDOOR

DOWNLIGHT | LCALDQ6 | UP TO 4,000 LUMENS

6-INCH SURFACE MOUNT • LUMEN CUBE • 1,800LM-4,000LM

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.

Mounting

Universal mounting hardware allows mounting to all standard electrical junction boxes. Optional pendant cable and wall mount assemblies available. Mounts to standard 4" Octagonal Electrical Box.

Dimmable

CCT / CRI

1700K, 2500K, 2700K (90CRI / 97CRI), 3000K (90CRI / 97CRI), 3500K, 4000K. CRI: 80+ Standard LED Lamp Life: 50,000 Hrs. (L70)

Safety Labels

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations.

• **NYC Approved**: Calendar #41937

Dimming Option

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) options designed for use with LUTRON Ecosystem Controls. 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.

Driver

120V/277V AC 50/60Hz Electronic Direct Current Class 2 LED driver

5⅞" 6¼"

2⅝"
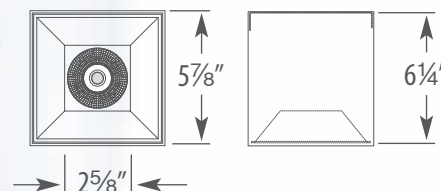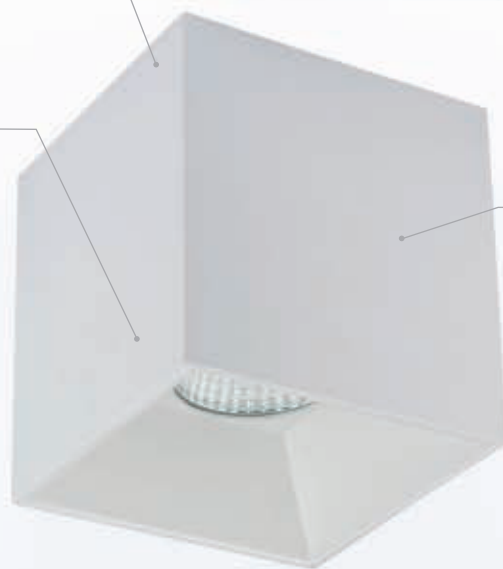
Warranty

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.

ORDERING LUMEN CUBE

Example: **LCALDQ6W350-D10P1-T40**

ITEM	FINISH	LUMENS *	BEAM SPREAD	DIMMING	LED **
LCALDQ6	**W** : All White	**151** : 1,800 Lumen (30W)	**Blank** : Flood	**Blank** : Non Dimming	**Blank** : 3000K
		320 : 3,000 Lumen (30W)	**-B70** : 70° Wide Flood	**-DUN** : UniDim™	**-C90** : 3000K, 90CRI
		350 : 4,000 Lumen (40W)		**-DMX** : DMX Dimming	**-C97** : 3000K, 97CRI****
				-DHL : Lutron Hi-Lume	**-T17** : 1700K***
				-D10P1 : 0-10V, 1% Dimming	**-T25** : 2500K***
				-DINPZ : 0% 2-Wire Dimming	**-T27** : 2700K
					-T27-C90 : 2700K, 90+CRI
					-T27-C97 : 2700K, 97CRI****
					-T35 : 3500K
					-T40 : 4000K

* Nominal delivered lumens. See photometry for exact values.   ** 90 CRI for 1,800Lm, 80 CRI standard for 3,000Lm, 4,000Lm versions. For 90 CRI use -C90.   *** Ext. lead time may apply. Consult.   **** Only available in 2700K and 3000K.

ALL LITON ARCHITECTURAL LED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A 5-YEAR LIMITED WARRANTY

INDOOR

6" LUMEN CANNON ECONOMY LED 1,800 - 2,800Lm
DOWNLIGHT │ LCMLD6 │ 20W/1,800LM & 40W/2,800LM

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.

Dimmable

Mounting
Universal mounting hardware allows mounting to all standard electrical junction boxes. Optional pendant cable and wall mount assemblies available, requires two field drilled holes.

Replaces
2x42W CFL
300W Incandescent

Driver
On-Board Electronic Direct Current driver pre-installed in trim. Comes standard with dimming option. Smoothly dims down to 10% with Electronic Low Voltage dimmers.

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

Recommended ambient temperature is below 35º C to achieve minimum L70 life of 50,000 hours according to LM80 standard.

Safety Labels
ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations.

• **NYC Approved**: Calendar #41937

4½"
6¼"
6¼"
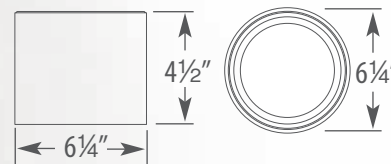
Lumen Maintenance
Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. 80+ Standard, 90 CRI Option

Warranty
Covered by a 3 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.

ORDERING LUMEN CUBE

Example: **LCMLD620W-T40**

ITEM	WATTAGE	FINISH	LED
LCMLD6	**20** : 20W	**W** : All White	**Blank** : 3000K
	40 : 40W	**B** : All Black	**-C90** : 3000K, 90CRI
			-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.

ALL LITON ARCHITECTURAL LUED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A **5-YEAR LIMITED WARRANTY**

INDOOR

4" SURFACE MOUNT LED LUMEN CANON CYLINDER

600 - 1,100Lm | LCALD4 | MINI LUMEN CANNON

Application

This powerful ceiling mounted LED downlight is designed for low to medium ceilings in atriums, exhibit halls, hospitality areas. Can be surface mounted or suspended 12" to 48" from the ceiling. A sloped ceiling adapter and other mounting options are available.

Explosive lumen output for any indoor ceiling up to 15'

Exposed Heat Sink
Die-cast aluminum heat sink efficiently dissipates heat into the open air for maximum cooling and long LED life

Finish
High quality powder coat finish for maximum durability

Low Glare Factor
Fully enclosed lamp eliminates glare

Lumen Packages
12W delivers 600 Lumens
14W delivers 1100 Lumens

Driver
120V/277V AC 50/60Hz
Class 2 LED driver

CCT / CRI
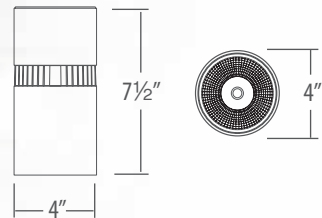1700K, 2500K, 2700K (90CRI / 97CRI), 3000K (90CRI / 97CRI), 3500K, 4000K. CRI: 80+ Standard
LED Lamp Life: 50,000 Hrs. (L70)

7½"

4"

4"

Dimming Option
TRIAC/ELV 120V Dimming

Lamp Life
LED Lamp Life: 50,000 Hrs. (L70) based on ANSI TM-21 calculations from LM80 standardized test results.

ORDERING MINI LUMEN CANNON

Example: **LCALD4B120-B50UE-T35**

ITEM	FINISH	LUMEN PACKAGE	BEAM	DIMMING	LED
LCALD4	**Blank** : White	**060** : 600 Lumen 12W LED	**Blank** : 30º	**Blank** : Non Dimming (120V)	**Blank** : 3000K
	B : All Black	**120** : 1,100 Lumen 14W LED	**-B50** : 50º	**UE** : Non Dimming (120V/277V)	**-C90** : 3000K, 90CRI
				UE-DUN : UniDim™ (120V/277V)	**-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.

ALL LITON ARCHITECTURAL LED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A 5-YEAR LIMITED WARRANTY

INDOOR

6" SURFACE MOUNT LED LUMEN CANON CYLINDER
1,100 - 6,000Lm | LCALD6 | LUMEN CANNON | UP TO 6,000 LUMENS

Application

This powerful ceiling-mounted LED downlight is perfect for atriums, exhibit halls, large venues and any other indoor applications with high ceilings that require powerful lumen delivery. Can be surface mounted or suspended 12" to 48" from the ceiling. A sloped ceiling adapter and other mounting options are available.

Exposed Heat Sink
Die-cast aluminum heat sink efficiently dissipates heat into the open air for maximum cooling and long LED life

Explosive lumen output for any indoor ceilings from 9' to 60'

Driver
120V/227V AC 50/60Hz Electronic Direct Current Class 2 LED driver

Dimming Option
UniDim™ (Universal Dimming) option is compatible with most 0-10V, incandescent & ELV dimming systems DMX Dimming, DALI dimming 0-10V 1% dimming
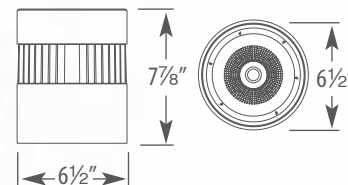
Safety Labels
ETL/cETL listed to UL1598 and UL8750.

Suitable for dry locations when suspended from pendant.

Suitable for damp location when surface mounted.

- NYC Approved:
  Calendar #41937

Finish
High quality powder coat finish for maximum durability

7⅞"   6½"

6½"

Low Glare Factor
Fully enclosed lamp eliminates glare from behind and sides

Wall Mount
Also available with Wall Mount Consult factory.

CCT / CRI
2700K, 3000K, 3500K, 4000K binned to within 3-Step MacAdam Ellipses (SDCM) CRI: 80+ Standard, 90+ Optional LED Lamp Life: 50,000 Hrs. (L70)

ORDERING LUMEN CANNON

Example: **LCALD6W550-B70-D10P1-C90**

ITEM	FINISH	LUMEN PACKAGE ***	BEAM SPREAD	DIMMING	LED
LCALD6	**Blank** : White/Black Fins	**101** : 1,100 Lumen 18W LED	**Blank** : Flood	**Blank** : Non Dimming	**Blank** : 3000K
	B : All Black	**151** : 1,500 Lumen 25W LED	**-B10** : 10° Spot*	**-DUN** : UniDim™ **	**-C90** : 3000K, 90CRI
	W : All White	**320** : 2,600 Lumen 28W LED	**-B30** : 30° Narrow*	**-DMX** : DMX Dimming	**-C97** : 3000K, 97CRI*****
	S : Silver/Black Fins	**350** : 3,700 Lumen 40W LED	**-B70** : 70° Wide Flood*	**-DLI** : DALI Dimming	**-T17** : 1700K****
		450 : 4,300 Lumen 50W LED		**-D10P1** : 0-10V, 1% Dimming	**-T25** : 2500K****
		550 : 6,000 Lumen 60W LED		**-DINPZ** : 0% 2-Wire Dimming	**-T27** : 2700K
				-D10 : 0-10V, 10% Dimming	**-T27-C90** : 2700K, 90+CRI
				-DHL : Hi-Lume1% Dimming	**-T27-C97** : 2700K, 97CRI*****
					-T35 : 3500K
					-T40 : 4000K

*Not available for 1100Lm/1500Lm.   ** Not available for 6,000Lm.   *** Nominal delivered lumens, see photometry page for exact values.   **** Ext. lead time may apply. Consult factory.   ***** Only available in 2700K and 3000K.

ALL LITON ARCHITECTURAL LED PRODUCTS ARE ASSEMBLED IN THE USA & INCLUDE A 5-YEAR LIMITED WARRANTY

VISUAL INTERIOR TOOL DIAGRAM

LCALD6: LUMEN CANNON
LED 6" HIGH LUMEN CYLINDER DOWNLIGHT
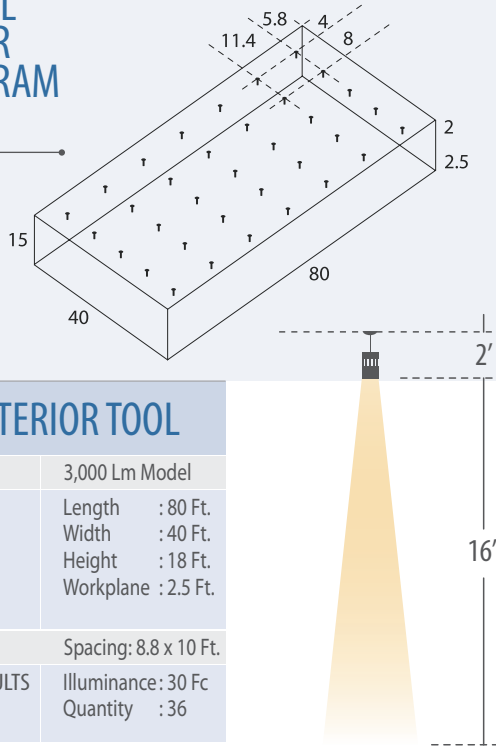
VISUAL INTERIOR TOOL

SHOWN FOR	3,000 Lm Model
ROOM SUMMARY	Length : 80 Ft. Width : 40 Ft. Height : 18 Ft. Workplane : 2.5 Ft.
SPACING RESULTS	Spacing: 8.8 x 10 Ft.
CALCULATION RESULTS	Illuminance : 30 Fc Quantity : 36

FIXTURE SPACING EXAMPLES
(VERSATILE SPACING OPTIONS)

LITON's Lumen Cannon is both powerful and versatile. Listed below are suggested layouts to achieve desired FC's from 9' to 60' ceiling heights. These calculations were based on a 50' x 50' space.

Other results can be obtained by varying lumen package, spacing and quantity of fixtures.

PRODUCT	CEILING HEIGHTS (FT)	O.C SPACING (FT)	FOOTCANDLES	MIN/MAX RATIO
LCALD6101 1,400 Lm	9'	6' x 6'	35.0	1.0 : 1
	9'	8' x 8'	19.1	2.2 : 1
	12'	6' x 6'	34.3	1.1 : 1
	15'	6' x 6'	33.5	1.1 : 1
	18'	6' x 6'	32.5	1.1 : 1
LCALD6151 2,000 Lm	9'	6' x 6'	50.5	1.1 : 1
	9'	8' x 8'	27.5	1.2 : 1
	12'	8' x 8'	26.2	1.2 : 1
	15'	8' x 8'	25.0	1.4 : 1
	18'	8' x 8'	23.9	1.5 : 1
LCALD6320 3,000 Lm	12'	8' x 8'	44.5	1.2 : 1
	12'	10' x 10'	29.1	1.6 : 1
	12'	12' x 12'	23.4	1.6 : 1
	15'	8' x 8'	27.9	1.2 : 1
	15'	10' x 10'	40.6	1.5 : 1
	18'	8' x 8'	26.2	1.4 : 1
	18'	10' x 10'	38.5	1.6 : 1
	21'	8' x 8'	25.0	1.5 : 1
	21'	10' x 10'	36.1	1.7 : 1
	25'	8' x 8'	23.4	1.5 : 1
	25'	10' x 10'	33.3	1.7 : 1
	30'	8' x 8'	28.2	1.8 : 1
	40'	8' x 8'	23.9	1.6 : 1
	50'	8' x 8'	23.4	1.6 : 1

FIXTURE SPACING EXAMPLES (Cont.)

PRODUCT	CEILING HEIGHTS (FT)	O.C SPACING (FT)	FOOTCANDLES	MIN/MAX RATIO
LCALD6350 4,000 Lm	12'	8' x 8'	66.5	1.2 : 1
	12'	10' x 10'	43.6	1.6 : 1
	15'	8' x 8'	63.7	1.3 : 1
	15'	10' x 10'	41.3	1.3 : 1
	15'	12' x 12'	28.5	1.4 : 1
	21'	8' x 8'	57.7	1.6 : 1
	21'	10' x 10'	37.5	1.5 : 1
	25'	8' x 8'	54.2	1.7 : 1
	25'	10' x 10'	35.0	1.6 : 1
	30'	8' x 8'	58.0	1.7 : 1
	30'	10' x 10'	32.0	1.8 : 1
	40'	8' x 8'	38.0	1.7 : 1
	40'	10' x 10'	27.2	1.8 : 1
	50'	8' x 8'	31.4	1.5 : 1
	50'	10' x 10'	23.0	1.6 : 1
LCALD6450 5,000 Lm	12'	8' x 8'	83.9	1.2 : 1
	12'	10' x 10'	55.0	1.6 : 1
	15'	8' x 8'	80.3	1.3 : 1
	15'	10' x 10'	52.0	1.3 : 1
	15'	12' x 12'	36.0	1.4 : 1
	21'	8' x 8'	72.8	1.3 : 1
	21'	10' x 10'	74.2	1.4 : 1
	21'	12' x 12'	32.6	1.3 : 1
	30'	10' x 10'	41.6	1.6 : 1
	30'	12' x 12'	27.1	1.6 : 1
	40'	10' x 10'	35.2	1.7 : 1
	40'	12' x 12'	22.9	1.5 : 1
	50'	10' x 10'	29.1	1.6 : 1
	60'	10' x 10'	25.0	1.4 : 1
LCALD6550 6,000 Lm	12'	8' x 8'	91.0	1.6 : 1
	12'	10' x 10'	61.0	1.8 : 1
	12'	12' x 12'	44.0	2.7 : 1
	15'	8' x 8'	88.0	1.5 : 1
	15'	10' x 10'	59.0	1.7 : 1
	15'	12' x 12'	41.6	2.7 : 1
	20'	8' x 8'	82.0	1.7 : 1
	20'	10' x 10'	55.0	1.5 : 1
	20'	12' x 12'	39.0	1.7 : 1
	20'	15' x 15'	25.0	1.9 : 1
	25'	12' x 12'	35.9	1.8 : 1
	25'	15' x 15'	23.0	1.7 : 1
	25'	18' x 18'	18.0	1.9 : 1
	30'	12' x 12'	34.1	1.8 : 1
	30'	15' x 15'	21.6	1.7 : 1
	30'	18' x 18'	17.5	1.8 : 1
	40'	12' x 12'	29.4	1.9 : 1
	40'	15' x 15'	19.1	1.6 : 1
	40'	18' x 18'	17.6	1.6 : 1
	50'	12' x 12'	25.7	1.8 : 1
	50'	15' x 15'	16.2	1.5 : 1
	60'	12' x 12'	22.3	1.7 : 1
	60'	15' x 15'	13.9	1.5 : 1

LUMEN CANNON MOUNTING OPTIONS

LED 4 & 6" HIGH LUMEN CYLINDER **MOUNTING OPTIONS**

LCALD MOUNTING OPTIONS

LED 4 & 6" HIGH LUMEN CYLINDER **MOUNTING OPTIONS**

INDOOR

Introducing six mounting options for the Lumen Cannon making it the most versatile cylinder in the industry. Now Lumen Cannon can function as a Wall Cylinder, Pendant, Track or Surface Mount Cylinder. Available in 4" and 6" apertures, Lumen Cannon offers a wealth of lumen packages and dimming options.

Lumen **Cannon**

◀ **4"** & **6"** ▶

600 -1100Lm   1100 - 6000Lm

LPCM
Pendant Accessory for
Flat Ceilings. Extensions in
12", 18", 24", 36" and 48".
Black, White or Natural Finish

LPCMC72
Cable Extension Kit
72" Aircraft-grade cable
Field cuttable
Black or White Finish

LPCMJ
Pendant Accessory for
Sloped Ceilings. Extensions in
12", 18", 24", 36" and 48".
Black, White or Natural Finish

LWMLD6
Wall Mount Bracket
for 6" Lumen Cannon.
Extension Arm Available
Black, White or Natural
Finish

LMPT4
1-Circuit / 2-Circuit
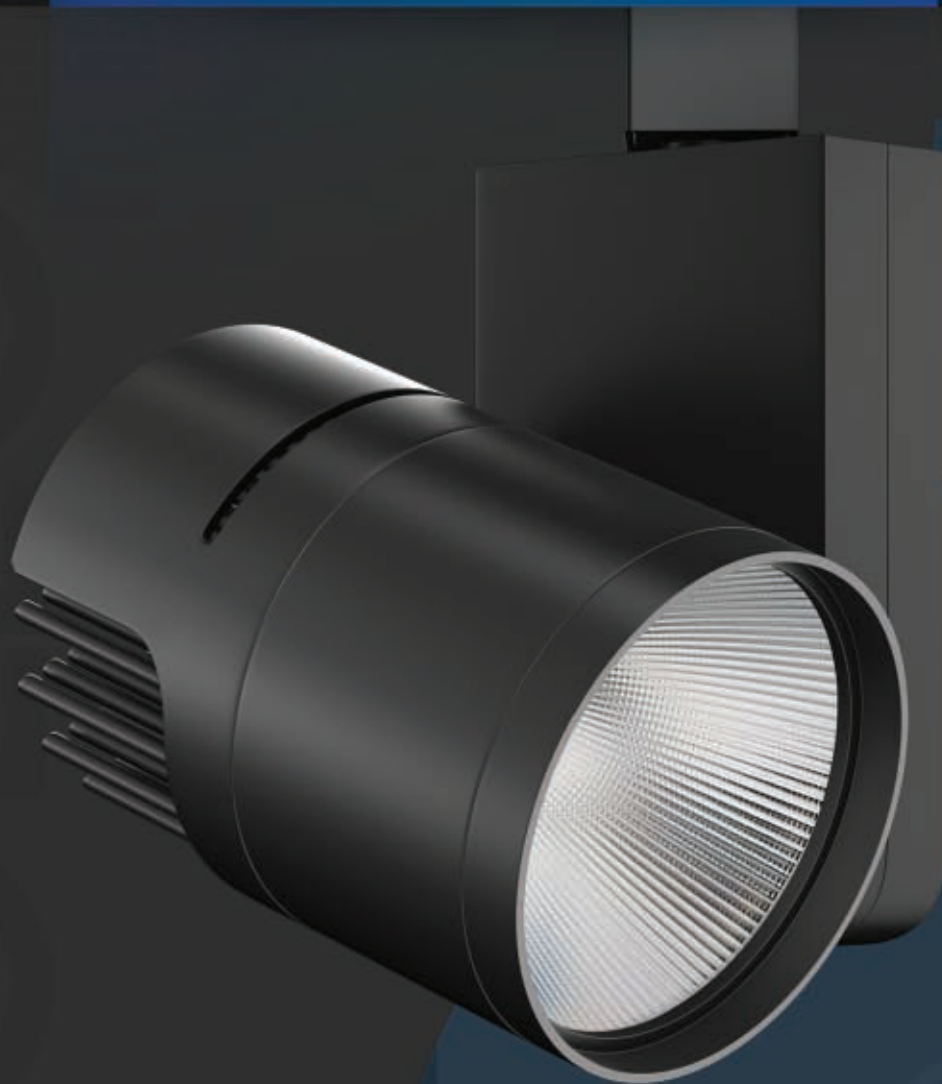Track Adapter for
4" Lumen Cannon.
Fits LITON Track

LMPT6
1-Circuit / 2-Circuit
Track Adapter for
6" Lumen Cannon.
Fits LITON 3-Circuit/1-Neutral
Architectural Track

AP OLLO
S E R I E S

LTD7430 30W, 3000 Lumen
Apollo - Architectural LED Track Head

▶ ALSO AVAILABLE IN 3-CIRCUIT/1-NEUTRAL & 2-CIRCUIT/2 NEUTRAL   Visit us online www.liton.com

APOLLO LED TRACK
ARCHITECTURAL | 30W/3000 LM

LTD7430

LTD7450
LTD7460

4 Color Temperatures
2700K, 3000K, 3500K, and 4000K.

5 Powerful Lumen Packages
10W (850Lm), 15W (1,600Lm), 30W (3,000Lm),
50W (4,500Lm), and 60W (6,000Lm).

Specification-quality Optics
3-Step MacAdam Ellipse Binning (SDCM), High 90CRI Option.

3 Beam Spreads
Available in 3 beam spreads (Spot, Narrow Flood and Flood)
to deliver maximum control over your light distribution.

LTD7410
LTD7415

3 Beautiful Designs
Precision design features solid die-cast
construction, with no visible wires.

Durable Powder Coat Finish
For long lasting beauty. Available in White
with Black heat sink, and all Black finishes.

Lamp Life
50,000 Hrs. based
on ANSI TM21
calculations from
LM80 standardized
test results.

LTD7410
LTD7415

Standard & Architectural Track
Works with both Liton standard, and
architectural track lighting.

APOLLO LED TRACK LIGHTING
## ARCHITECTURAL | LTD7410 | LTD7415 | LTD7430

LTD7410
LTD7415

LTD7430

FEATURES

- 16W - 32W, 1100Lm – 2900 Lm packages
- 4 CCT Options: 2700K, 3000K, 3500K, 4000K.
- Xicato LED Modules available. Consult Factory.
- 80CRI Standard, 90CRI Option
- 3 Beamspreads: Spot, Narrow Flood & Flood
- 50,000 Hrs. based on ANSI TM21 calculations from LM80 standardized test results.
- Long lasting Powder Coat Finishes
- Available in White with Black Heat Sink and All Black
- Works with LITON Standard and Architectural Track (See website).

1	High Lumen Output
2	High Quality, Die-cast construction.
3	ELV Dimming Option
4	Precision design insures firm positioning.
5	Specification-quality optics featuring 3-Step MacAdam Ellipse Binning (SCDM)
6	Sleek, professional design, no visible wires or drivers.
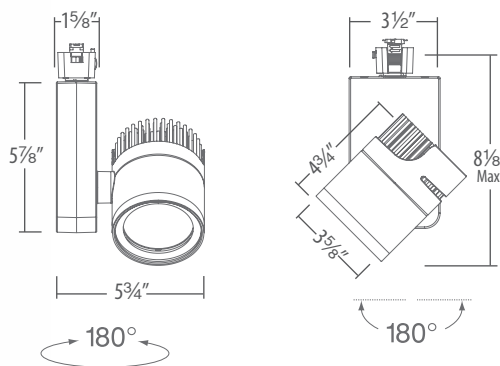
LED TRACK LIGHTING ORDERING

Example: **LTD7415W-B25-DLV-T35-C90**

ITEM #	WATTAGE / LUMEN	FINISH	BEAM SPREAD	DIMMING	COLOR TEMP	CRI
LTD74	**10** : 16W / 1100 Lm	**B** : Black	**-B15** : Spot	**Blank** : Non Dimming	**-T30** : 3000K	**Blank** : 80 CRI
	15 : 21W / 1500 Lm	**W** : White/Black	**-B25** : Narrow Flood	**-DLV** : ELV Dimming	**-T27** : 2700K	**-C90** : 90 CRI*
	30 : 32W / 2900 Lm		**-B45** : Flood		**-T35** : 3500K	
					-T40 : 4000K	

* -C90 option is special order. Extended lead times may apply.

APOLLO LED TRACK LIGHTING
## ARCHITECTURAL | LTD7450 | LTD7460

FEATURES

- 48W - 60W, 4500Lm – 6000 Lm packages
- 4 CCT Options: 2700K, 3000K, 3500K, 4000K.
- Xicato LED Modules available. Consult.
- 80CRI Standard, 90CRI Option
- 3 Beamspreads: Spot, Flood & Wide Flood
- 50,000 Hrs. based on ANSI TM21 calculations from LM80 standardized test results.
- Long lasting Powder Coat Finishes
- Available in White with Black Heat Sink and All Black
- Works with LITON Standard and Architectural Track (See website).

BENEFITS

- Fully die-cast for high quality, long-lasting beauty
- 3 beam spread options for fine tuning footcandle distribution
- Powerful 6000 lumen output lights objects and spaces near and far
- T4 & T6 performance in a long life, cool running LED track head

| 1	High Lumen Output
2	High Quality, Die-cast construction.
3	ELV Dimming Option
4	Precision design insures firm positioning.
5	Specification-quality optics featuring 3-Step MacAdam Ellipse Binning (SCDM)
6	Sleek, professional design, no visible wires or drivers.
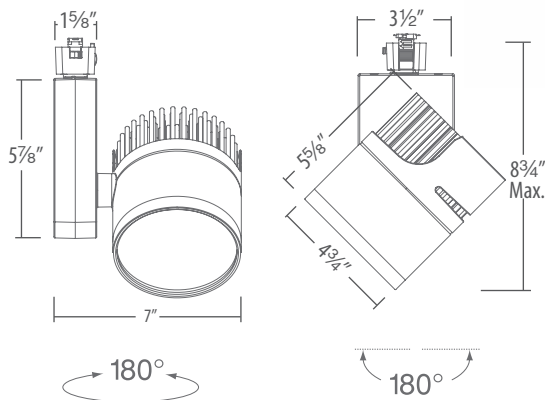
LED TRACK LIGHTING ORDERING

Example: **LTD7460W-B25-DLV-C90**

ITEM #	WATTAGE / LUMEN	FINISH	BEAM SPREAD	DIMMING	COLOR TEMP	CRI
LTD74	**50** : 48W / 4500 Lm	**B** : Black	**-B15** : Spot	**Blank** : Non Dimming	**-T30** : 3000K	**Blank** : 80 CRI
	60 : 60W / 6000 Lm	**W** : White/Black	**-B25** : Narrow Flood	**-DLV** : ELV Dimming	**-T27** : 2700K	**-C90** : 90 CRI*
			-B45 : Flood		**-T35** : 3500K	
					-T40 : 4000K	

* -C90 option is special order. Extended lead times may apply.
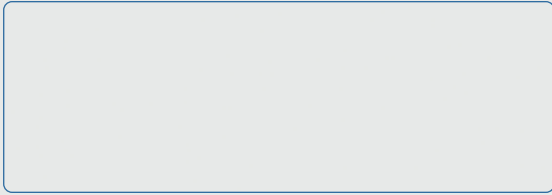
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- 2-INCH RECESSED LED
- 2.5-INCH RECESSED LED
- 3-INCH RECESSED LED
- 3.5-INCH RECESSED LED
- 4-INCH RECESSED LED
- 6-INCH RECESSED LED
- SURFACE MOUNT LED
- APOLLO TRACK LED

ARCHITECTURAL LED OUTDOOR LIGHTING FROM LITON

▶ LED **WALL PACKS**

▶ LED **AG SERIES**

▶ LED **BOLLARDS**

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