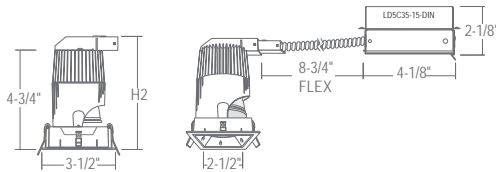


## 2.5" RECESSED LED

### SQUARE FLANGED, 1000LM/1400LM

- Equivalent to 75W MR16 Output
- Ideal where space is limited and energy savings is important
- 15W, 1000+lm at 67lm/W, and 22W, 1400+lm at 64lm/W

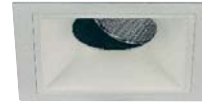


-L09: H2: 5-3/8"  
-L14: H2: 6-5/8"

Ceiling Cut-Out: 3-1/4" Max  
Ceiling Thickness (Frameless): 1" Max  
Ceiling Thickness (with Frame): 3/4" Max



**LRLDQ2521**  
Downlight



**LRLDQ2521J**  
25° Adj. Accent



**LRLDQ2571**  
40° Adj. Accent



### ORDERING – Example: LRLDQ2521SW-L09-B25-T27UE-DUN-WL

Fixture	Reflector Finish	Ring Finish	Lumens	Beam Spread	Color Temperature	Driver	Rating	Accessories	Optional Frame
Fixture				Beam Spread		Driver		Accessories	
Downlight	<b>LRLDQ2521</b>		10° Narrow Spot	<b>B10<sup>2</sup></b>		120V, Triac Dimming	<b>Blank<sup>5</sup></b>	COLOR LENS	
25° Adj. Accent	<b>LRLDQ2521J</b>		25° Narrow Flood	<b>B25</b>		0-10V Dimming	<b>UE-D10</b>	Clear Lens	<b>L38</b>
40° Adj. Accent	<b>LRLDQ2571</b>		35° Flood	<b>B35</b>		120V/277V, UniDim™	<b>UE-DUN</b>	Yellow Lens	<b>L40</b>
Reflector Finish			60° Wide Flood	<b>B60<sup>8</sup></b>		0-10V, ELV, Triac Dimming (5%)		Blue Lens	<b>L41</b>
Matte White	<b>W</b>		Color Temperature			Lutron EcoSystem Dimming (1%)	<b>-DEC*</b>	Amber Lens	<b>L42</b>
Specular Clear	<b>C</b>		3000K (90 CRI)	<b>Blank</b>				Green Lens	<b>L43</b>
Specular Black	<b>B</b>		3000K (97 CRI)	<b>-C97</b>		Rating		Daylight Blue Lens	<b>L44</b>
Satin Haze	<b>S</b>		1700K (90 CRI)	<b>-T17<sup>3</sup></b>		None	<b>Blank</b>	Red Lens	<b>L39</b>
Specular Graphite	<b>RP</b>		2500K (90 CRI)	<b>-T25<sup>3</sup></b>		Airtight Lensed (Wet Location)	<b>-WL<sup>6</sup></b>	Violet Blue Lens	<b>L46</b>
Matte Gold	<b>MG</b>		2700K (90 CRI)	<b>-T27</b>		4" Jbox (Chicago Plenum)	<b>-JB-CHP</b>	FILTER LENS	
Trim Ring Finish			2700K (97 CRI)	<b>-T27-C97</b>				Black Hex Cell Louver	<b>LL16-HB-B</b>
White	<b>W</b>		3500K (90 CRI)	<b>-T35</b>				Frosted Soft Focus	<b>L49</b>
Black	<b>B</b>		4000K (90 CRI)	<b>-T40</b>				Micro - Prismatic Spread Lens	<b>L53</b>
Lumens (Nominal Delivered)			3000K - 1800K	<b>-TWD<sup>4,7</sup></b>				Linear Spread Lens	<b>L55</b>
1000lm	<b>-L09</b>		Warm Dimming					Ultra Violet Filter	<b>L50UV</b>
1400lm	<b>-L14</b>							Micro - Prismatic Spread Lens (Light Diffuse)	<b>L54</b>

<sup>2</sup> Not field changeable.

<sup>3</sup> Extended lead time may apply. Consult factory.

<sup>4</sup> Warm Dimming (-TWD) only available for 1000lm (-L09) lumen package.

<sup>5</sup> 0.5% dimming for 1000lm (-L09), 5% dimming for 1400lm (-L14).

<sup>6</sup> Airtight Lensed (Wet Location) (-WL) not available for LRLDQ2571.

<sup>7</sup> (-TWD) Warming Dimming and (-L14) 1400lm options are not available for the LHQLD25IC-FRM (IC) frame.

<sup>8</sup> Achieved through a filter at aperture level.

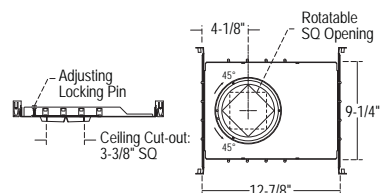
\* Special order, minimum order. Lead times apply. Consult factory for emergency battery options.

**NOTE: For commercial applications** with 1/2" Pipe or Flex-Conduit (**LITON# PCT031**) Fitting Adaptor should be used. Consult Factory.

### OPTIONAL FRAMES & ACCESSORIES

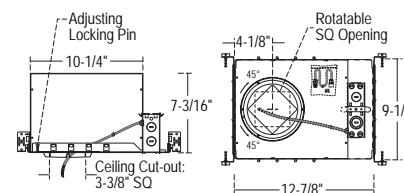
#### LHQLD25-FRM

New Construction Frame (Square)



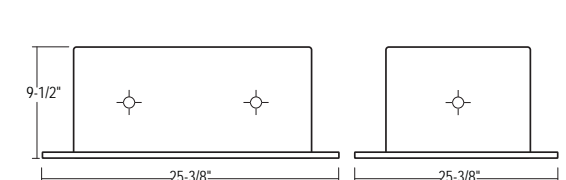
#### LHQLD25IC-FRM

New Construction IC Frame (Square)



#### LFB2012

Fire Barrier



## SPECIFICATION

### Applications

Perfect for ambient and task downlighting in low to medium height ceilings and high-end residential and commercial applications.

LRLDQ2521 - Standard Downlight.

LRLDQ2521J - Adjustable accent tilts up to 25°, with hot aiming to accent architectural features.

LRLDQ2571 - Adjustable accent tilts up to 40°, with hot aiming to accent architectural features.

### Housing

Suitable for remodel or new construction installations. Designed to secure to existing sheet rock or panel ceilings up to 1" thick. For added support in weak ceilings, LHQLD25 Frames can be used.

### Lens

Airtight lens available for wet locations. Specify "WL" when ordering.

### Junction Box

(L09 - 120V Triac Option) - 24 gauge pre-wired galvanized steel Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/4" Romex knock-outs. Remove covers for easy access and ground wire. For 1/2" Pipe or Flex-Conduit (LITON# PCT031) Fitting Adaptor should be used. Consult Factory.

Alternate Junction Box: 18 gauge pre-wired aluminum Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/2" knock-outs. Remove covers for easy access and ground wire.

### Trim Ring

Friction clips on trim hold LED Light Engine, Reflector and die-cast aluminum trim secure to sheet rock ceiling or Housing Frame.

### Reflector

Multifaceted Specular Reflector locks into place on LED Light Engine.

### Optics

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

Color Temperature - Comes standard with 3000K (90 CRI) Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light

binning allowance. Also available in 1700K, 2500K, 2700K, 3500K, 4000K, (90 CRI), and 2700K, 3000K, (97 CRI). Also available with 3000K-1800K Warm Dimming.

Beam Spread - Available in 10° (-B10), 25° (-B25), 35° (-B35), and 60° (-B60).

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

### Thermal Management

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

### Electrical Components

Dimming - Standard driver is 120V, triac dimming to 0.5% for 1000lm (-L09), 5% dimming for 1400lm (-L14). Optional 0-10V (UE-D10) dimming works with most 5-wire, 0-10V dimmers. Optional UniDim™ (UE-DUN) for 120V/277V 0-10V, ELV triac dimming (5%). Lutron EcoSystem dimming (1%) is also available, special order, minimum, order, lead times apply.

### Finishes

Reflector available in W-Matte White, B - Specular Black, C - Specular Clear, RP - Specular Graphite, S - Satin Haze and MG - Matte Gold. Trim ring available in W - White and B - Black.

### Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937. CCEA (City of Chicago Environmental Air) Certified: Conforms to CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4.

### Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

### Warranty

Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

### Optional Frames & Accessories

**LHQLD25-FRM** - New Construction Frame (Square). Suitable for new construction and remodel installations. Accepts up to 3/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

**LHQLD25IC-FRM** - New Construction IC Frame (Square). Rated for direct contact with low to medium density loosefill blown and rolled insulation. Accepts up to 3/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

**LFB2012** - Fire Barrier. This galvanized welded steel enclosure is rated for one-hour resistance to active fire. LFB2012 enclosure is designed for use with both existing and new installation of Recessed Luminaires. Fulfills the required 1-hour-fire-resistance-rating, to operate as an active fire wall, with less effort.

### Title 24/JA8 Compliant

LRLDQ2521\_-L09-B\_-T27  
LRLDQ2521\_-L09-B\_-  
LRLDQ2521\_-L09-B\_-T35  
LRLDQ2521\_-L09-B\_-T40

LRLDQ2521J\_-L09-B\_-T27  
LRLDQ2521J\_-L09-B\_-  
LRLDQ2521J\_-L09-B\_-T35  
LRLDQ2521J\_-L09-B\_-T40

LRLDQ2571\_-L09-B\_-T27  
LRLDQ2571\_-L09-B\_-  
LRLDQ2571\_-L09-B\_-T35  
LRLDQ2571\_-L09-B\_-T40

LRLDQ2521\_-L14-B\_-T27UE-DUN  
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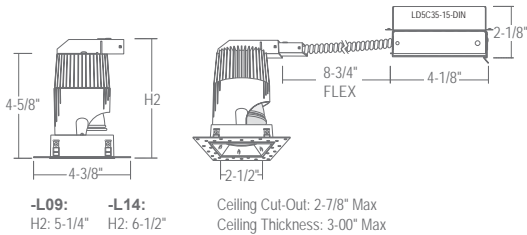
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LRLDQ2521J\_-L14-B\_-T40UE-DUN

LRLDQ2571\_-L14-B\_-T27UE-DUN  
LRLDQ2571\_-L14-B\_-UE-DUN  
LRLDQ2571\_-L14-B\_-T35UE-DUN  
LRLDQ2571\_-L14-B\_-T40UE-DUN

## 2.5" RECESSED LED

SQUARE FLANGELESS, 1000LM/1400LM

- Equivalent to 75W MR16 Output
- Ideal where space is limited and energy savings is important
- 15W, 1000+lm at 67lm/W, and 22W, 1400+lm at 64lm/W



**LRXLDQ2521**  
Downlight



**LRXLDQ2521J**  
25° Adj. Accent



**LRXLDQ2571**  
40° Adj. Accent



### ORDERING – Example: LRXLDQ2521S-L09-B25-T27UE-DUN-WL

Trim Style	Reflector Finish	Lumens	Beam Spread	Color Temperature	Driver	Rating	Accessories	Optional Frame
Trim Style		Beam Spread		Driver		Accessories		
Downlight	<b>LRXLDQ2521</b>	10° Narrow Spot	<b>B10<sup>2</sup></b>	120V, Triac Dimming	<b>Blank<sup>3</sup></b>	COLOR LENS		
25° Adj. Accent	<b>LRXLDQ2521J</b>	25° Narrow Flood	<b>B25</b>	0-10V Dimming	<b>UE-D10</b>	Clear Lens		
40° Adj. Accent	<b>LRXLDQ2571</b>	35° Flood	<b>B35</b>	120V/277V, UniDim™	<b>UE-DUN</b>	Yellow Lens		
Reflector Finish		60° Wide Flood	<b>B60</b>	0-10V, ELV, Triac Dimming (5%)		Blue Lens		
Matte White	<b>W</b>	Color Temperature		Lutron EcoSystem Dimming (1%)	<b>-DEC*</b>	Amber Lens		
Specular Clear	<b>C</b>	3,000K (90 CRI)	<b>Blank</b>	Rating		Green Lens		
Specular Black	<b>B</b>	3,000K (97 CRI)	<b>-C97</b>	None	<b>Blank</b>	Daylight Blue Lens		
Satin Haze	<b>S</b>	1,700K (90 CRI)	<b>-T17<sup>3</sup></b>	Airtight Lensed (Wet Location)	<b>-WL<sup>6</sup></b>	Red Lens		
Specular Graphite	<b>RP</b>	2,500K (90 CRI)	<b>-T25<sup>3</sup></b>	4" Jbox (Chicago Plenum)	<b>-JB-CHP</b>	Violet Blue Lens		
Matte Gold	<b>MG</b>	2,700K (90 CRI)	<b>-T27</b>	Filter Lens		Black Hex Cell Louver		
Lumens (Nominal Delivered)		2,700K, 97 CRI	<b>-T27-C97</b>	Optional Frame		Frosted Soft Focus		
1000lm	<b>-L09</b>	3,500K (90 CRI)	<b>-T35</b>			Micro - Prismatic Spread Lens		
1400lm	<b>-L14<sup>7</sup></b>	4,000K (90 CRI)	<b>-T40</b>			Linear Spread Lens		
		3000K - 1800K Warm Dimming	<b>-TWD<sup>4,7</sup></b>			Ultra Violet Filter		

<sup>2</sup> Not field changeable.

<sup>3</sup> Extended lead time may apply. Consult factory.

<sup>4</sup> Warm Dimming (-TWD) only available for (-L09) lumen package.

<sup>5</sup> 0.5% dimming for 1000lm (-L09), 5% dimming for 1400lm (-L14).

<sup>6</sup> Airtight Lensed (Wet Location) (-WL) not available for LRXLDQ2571.

<sup>7</sup> (-TWD) Warming Dimming and (-L14) 1400lm options are not available for LHQLD25IC-FRM (IC) frame.

<sup>8</sup> Achieved through a filter at aperture level.

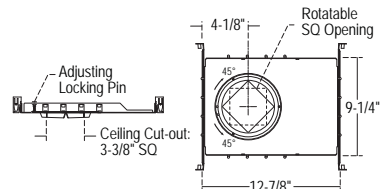
\* Special order, minimum order. Lead times apply. Consult factory for emergency battery options.

**NOTE: For commercial applications** with 1/2" Pipe or Flex-Conduit (**LITON# PCT031**) Fitting Adaptor should be used. Consult Factory.

### OPTIONAL FRAMES & ACCESSORIES

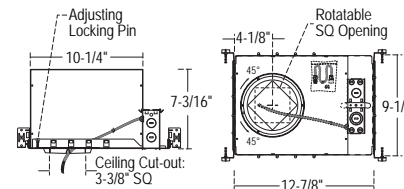
#### LHQLD25-FRM

New Construction Frame (Square)



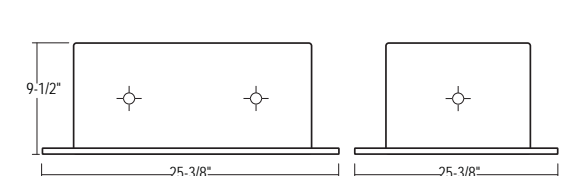
#### LHQLD25IC-FRM

New Construction IC Frame (Square)



#### LFB2012

Fire Barrier





# 2.5" RECESSED LED

SQUARE FLANGELESS, 1000LM/1400LM

## SPECIFICATION

### Applications

Perfect for ambient and task downlighting in low to medium height ceilings and high-end residential and commercial applications where clean unobtrusive ceilings are desired.

LRXLDQ2521 - Standard Downlight.

LRXLDQ2521J - Adjustable accent tilts up to 25°, with hot aiming to accent architectural features.

LRXLDQ2571 - Adjustable accent tilts up to 40°, with hot aiming to accent architectural features.

### Housing

Suitable for remodel or new construction installations. Designed to secure to existing sheet rock or panel ceilings up to 1" thick (frameless). For added support in weak ceilings, LHQLD25 Frames can be used. For ceilings thicker than 1", consult factory for alternative methods.

### Lens

Airtight lens available for wet locations. Specify "WL" when ordering.

### Junction Box

(L09 - 120V Triac Option) - 24 gauge pre-wired galvanized steel Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/4" Romex knock-outs. Remove covers for easy access and ground wire. For 1/2" Pipe or Flex-Conduit (LITON# PCT031) Fitting Adaptor should be used. Consult Factory.

Alternate Junction Box: 18 gauge pre-wired aluminum Junction Box. 7 cubic-inch for a maximum of (4) #12 AWG wires. (2) 1/2" knock-outs. Remove covers for easy access and ground wire.

### Trim Ring

Reflector and die-cast aluminum trim secure to sheet rock ceiling or Housing Frame with drywall screws secured to trim ring.

### Reflector

Multifaceted Specular Reflector locks into place on LED Light Engine.

### Optics

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

Color Temperature - Comes standard with 3000K Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 1700K, 2500K, 2700K, 3500K and 4000K, 2700k, 90+ CRI, 2700, 97 CRI, 3000K, 90 CRI, 3000K, 97 CRI.

Beam Spread - Available in 10° (-B10), 25° (-B25), 35° (-B35), and 60° (-B60).

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

### Thermal Management

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

### Electrical Components

Dimming - Standard driver is 120V, triac dimming to 0.5% for 1000lm (-L09), 5% dimming for 1400lm (-L14). Optional 0-10V (UE-D10) dimming works with most 5-wire, 0-10V dimmers. Optional UniDim™ (UE-DUN) for 120V/277V 0-10V, ELV triac dimming (5%). Lutron EcoSystem dimming (1%) is also available, special order, minimum, order, lead times apply.

### Finishes

Reflector available in W-Matte White, B - Specular Black, C - Specular Clear, RP - Specular Graphite, S - Satin Haze and MG - Matte Gold.

### Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for damp and wet locations. NYC approved: Calendar #41937. CCEA (City of Chicago Environmental Air) Certified: Conforms to CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4.

### Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

### Warranty

Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

### Optional Frames

**LHQLD25-FRM** - New Construction Frame (Square). Suitable for new construction and remodel installations. Accepts up to 3/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

**LHQLD25IC-FRM** - New Construction IC Frame (Square). Rated for direct contact with low to medium density loosefill blown and rolled insulation. Accepts up to 3/4" ceiling thickness. Supplied with (2) 24" adjustable hanger bars with nail-less install 3/4" serrated barbed studs for mounting in wood joists.

**LFB2012** - Fire Barrier. This galvanized welded steel enclosure is rated for one-hour resistance to active fire. LFB2012 enclosure is designed for use with both existing and new installation of Recessed Luminaires. Fulfills the required 1-hour-fire-resistance-rating, to operate as an active fire wall, with less effort.

