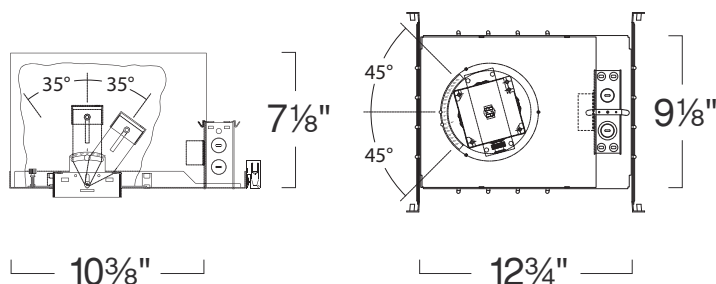


LHQLD3 - 3" 12W IC Rated/600Lm & 19W Non-IC Rated /1200Lm Mini-Arc Square LED Housing (Dimmable) 3" 12W/19W LED SQUARE DOWNLIGHTS



SPECIFICATION

Application: Mini-Arc² Phantom 3" Square LED Downlight Housings are 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. Housing works with standard 3" Square trims and 3" Square 'Trimless' trims

Adjustability: Collar bracket provides 90° of rotation, marked in 5° increments for positioning before drywall installation. Lamp holder assembly allows 35° tilt and 1-1/2" vertical lamp source adjustment.

Housing: Collar bracket adjusts for 1/2" to 1" ceiling thickness. Integral thermal protector guards against improper installation. Trim is secured with 4 torsion spring clips.

Safety Labels: E.T.L Listed. High Efficacy Luminaire Certified by the California Energy Commission (CEC) as Title 24 / JA8 Compliant.

Warm Dimming: With this new technology, you can create the warm glow of traditional incandescent dimming while offering extraordinary energy efficiency and service life of LED Lighting. Allow for fixture start at a full 2700K when at full-brightness and smoothly dim down to 5% level with the warm glow of 1850K using dimming option the frame-in kit.

Mounting: Housing suitable for new construction installations only, supplied with (2) 24" adjustable hanger bars with 90 degrees repositioning ability. 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. 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.

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

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

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

COMPATIBILITY

 LRXQ371 SQUARE TRIMLESS LENSED WALL WASH/ SLOPED	 LRQ371 SQUARE LENSED WALL WASH/SLOPED	 LRXQ321 SQUARE TRIMLESS OPEN REFLECTOR
 LRXQ372 SQUARE TRIMLESS LED OPEN WALL WASH	 LRXQ371 SQUARE TRIMLESS LED LENSED WALL WASH/SLOPED	 LRQ302 SQUARE LENSED REFLECTOR
 LRQ371 LED SQUARE LENSED WALL WASH	 LRXQ302 SQUARE TRIMLESS LED LENSED REFLECTOR	 LRQ302 LED SQUARE LENSED REFLECTOR
 LRQ321 LED SQUARE OPEN REFLECTOR	 LRQ372 LED SQUARE OPEN WALL WASH	 LRQ372 SQUARE OPEN WALL WASH

Title 24/JA8 Compliant

- LHQLD3_-T27
- LHQLD3_-T30
- LHQLD3_-T40

FEATURE:



ORDERING EXAMPLE : LHQLD312C35UE-DUN-B25

LHQLD3	WATTAGE	OPTIONS	BEAM SPREAD	LED
LHQLD3	12C35 :12W IC Rated 19C70 :19W Non IC Rated ^	Blank :120V Non-Dimming UE :120V/277V UE-D10 :120V/277V 0-10V UE-DUN :120V-277V UniDim™++ -DIN :120V Incandescent Dimming -EM :Remote 5W Emergency+ -347-D10 :0-10V 10% Dimming UE-DEC :Lutron Ecosystem 1% Dimming -DHL :Hilume 1% Dimming	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 -TWD :1850K-2700K Warm Dimming**

* Extended lead time may apply. Consult factory. **Only for 12W.

^ Not rated for Insulation Contact. +Above ceiling access required for EM option. ++Extended lead may apply for quantities over 100.

PHOTOMETRY

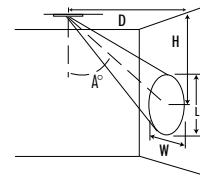
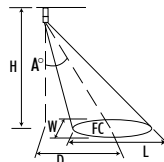
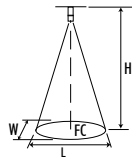
D = Distance from fixture (at ceiling/wall) to ground/wall at FC (center of beam)

H = Distance from ceiling to FC (center of beam)

FC = Footcandle at center of beam

W = Beam width

L = Beam length



LHQLD312C35-B25 - (600lm, Spot, 3000K)

System Power :	12.0W
Beam Angle 50% :	23.3°
Field Angle 10% :	63.3°
Color Temp. (CCT) :	3000K
CRI :	80
Lumens Delivered :	757.63
CBCP :	2412

MULTIPLIERS

LUMENS

1200lm (19W): 1.86

600lm (12W): 1.00

CRI

CCT

80 CRI : 1.00

4000K : 1.02

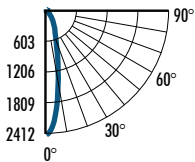
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



LHQLD312C35 - (600lm, Narrow Flood, 3000K)

System Power :	12.0W
Beam Angle 50% :	33.3°
Field Angle 10% :	59.8°
Color Temp. (CCT) :	3072K
CRI :	80
Lumens Delivered :	617.44
CBCP :	1638

MULTIPLIERS

LUMENS

1200lm (19W): 1.86

600lm (12W): 1.00

CRI

CCT

80 CRI : 1.00

4000K : 1.02

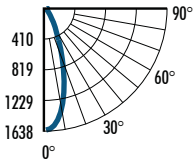
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



LHQLD312C35-B60 - (600lm, Wide Flood, 3000K)

System Power :	12.1W
Beam Angle 50% :	35.7°
Field Angle 10% :	65.6°
Color Temp. (CCT) :	3000K
CRI :	80
Lumens Delivered :	713.47
CBCP :	1560

MULTIPLIERS

LUMENS

1200lm (19W): 1.79

600lm (12W): 1.00

CRI

CCT

80 CRI : 1.00

4000K : 1.02

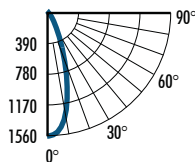
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



Horizontal Angle										Vertical Angle (Fixture calculated at aiming point (90°) to horizontal surface)														
No Tilt					A° = 30°					A° = 30°					A° = 45°					A° = 60°				
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L	D	H	FC	W	L	
6.0'	67	2.5'	2.5'	6.0'	4.2'	37	3.0'	3.8'	2.0'	7.5'	10	3.2'	30.2'	2.0'	3.5'	75	1.6'	3.8'	2.0'	2.9'	114	1.4'	2.7'	
8.0'	38	3.3'	3.3'	8.0'	5.6'	21	4.0'	5.0'	3.0'	11.2'	5	4.8'	45.3'	3.0'	5.2'	34	2.5'	5.7'	3.0'	4.3'	51	2.2'	4.1'	
10.0'	24	4.1'	4.1'	10.0'	7.0'	13	5.0'	6.3'	4.0'	14.9'	3	6.4'	60.4'	4.0'	6.9'	19	3.3'	7.6'	4.0'	5.7'	28	2.9'	5.5'	
12.0'	17	4.9'	4.9'	12.0'	8.4'	9	6.0'	7.5'	5.0'	18.7'	2	8.0'	75.5'	5.0'	8.7'	12	4.1'	9.5'	5.0'	7.1'	18	3.6'	6.9'	
14.0'	12	5.8'	5.8'	14.0'	9.8'	7	7.0'	8.8'	6.0'	22.4'	1	9.6'	90.5'	6.0'	10.4'	8	4.9'	11.3'	6.0'	8.6'	13	4.3'	8.2'	
6.0'	46	3.6'	3.6'	6.0'	4.2'	25	4.4'	5.6'	2.0'	7.5'	7	4.6'	-	2.0'	3.5'	51	2.4'	6.5'	2.0'	2.9'	77	2.1'	4.4'	
8.0'	26	4.8'	4.8'	8.0'	5.6'	14	5.8'	7.5'	3.0'	11.2'	3	6.9'	-	3.0'	5.2'	23	3.6'	9.8'	3.0'	4.3'	34	3.1'	6.7'	
10.0'	16	6.0'	6.0'	10.0'	7.0'	9	7.3'	9.3'	4.0'	14.9'	2	9.2'	-	4.0'	6.9'	13	4.8'	13.1'	4.0'	5.7'	19	4.2'	8.9'	
12.0'	11	7.2'	7.2'	12.0'	8.4'	6	8.8'	11.2'	5.0'	18.7'	1	11.6'	-	5.0'	8.7'	8	6.0'	16.3'	5.0'	7.1'	12	5.2'	11.1'	
14.0'	8	8.4'	8.4'	14.0'	9.8'	5	10.2'	13.1'	6.0'	22.4'	1	13.9'	-	6.0'	10.4'	6	7.2'	19.6'	6.0'	8.6'	9	6.3'	13.3'	
6.0'	43	3.9'	3.9'	6.0'	4.2'	24	4.7'	6.1'	2.0'	7.5'	7	5.0'	-	2.0'	3.5'	49	2.6'	7.5'	2.0'	2.9'	74	2.2'	5.0'	
8.0'	24	5.2'	5.2'	8.0'	5.6'	13	6.3'	8.1'	3.0'	11.2'	3	7.5'	-	3.0'	5.2'	22	3.9'	11.2'	3.0'	4.3'	33	3.4'	7.4'	
10.0'	16	6.4'	6.4'	10.0'	7.0'	9	7.9'	10.1'	4.0'	14.9'	2	10.0'	-	4.0'	6.9'	12	5.2'	15.0'	4.0'	5.7'	18	4.5'	9.9'	
12.0'	11	7.7'	7.7'	12.0'	8.4'	6	9.4'	12.1'	5.0'	18.7'	1	12.4'	-	5.0'	8.7'	8	6.4'	18.7'	5.0'	7.1'	12	5.6'	12.4'	
14.0'	8	9.0'	9.0'	14.0'	9.8'	4	11.0'	14.2'	6.0'	22.4'	1	14.9'	-	6.0'	10.4'	5	7.7'	22.4'	6.0'	8.6'	8	6.7'	14.9'	

PHOTOMETRY

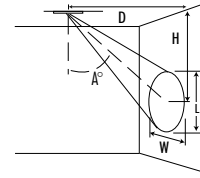
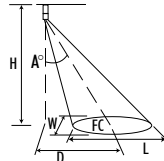
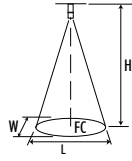
D = Distance from fixture (at ceiling/wall) to ground/wall
at FC (center of beam)

H = Distance from ceiling to FC (center of beam)

FC = Footcandle at center of beam

W = Beam width

L = Beam length



LHQLD319C70-B25 - (1200lm, Spot, 3000K)

System Power :	19.0W
Beam Angle 50% :	23.3°
Field Angle 10% :	63.2°
Color Temp. (CCT) :	3000K
CRI :	80
Lumens Delivered :	1407.3
CBCP :	4479

MULTIPLIERS

LUMENS

1200lm (19W) : 1.00

600lm (12W) : 0.54

CRI

CCT

80 CRI : 1.00

4000K : 1.02

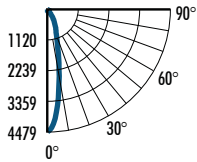
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



LHQLD319C70 - (1200lm, Narrow Flood, 3000K)

System Power :	19.0W
Beam Angle 50% :	33.3°
Field Angle 10% :	59.8°
Color Temp. (CCT) :	3072K
CRI :	80
Lumens Delivered :	1148.43
CBCP :	3047

MULTIPLIERS

LUMENS

1200lm (19W) : 1.00

600lm (12W) : 0.54

CRI

CCT

80 CRI : 1.00

4000K : 1.02

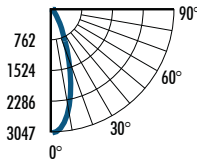
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



LHQLD319C70-B60 - (1200lm, Wide Flood, 3000K)

System Power :	23.2W
Beam Angle 50% :	35.7°
Field Angle 10% :	65.6°
Color Temp. (CCT) :	3000K
CRI :	80
Lumens Delivered :	1274.06
CBCP :	2786

MULTIPLIERS

LUMENS

1200lm (19W) : 1.00

600lm (12W) : 0.56

CRI

CCT

80 CRI : 1.00

4000K : 1.02

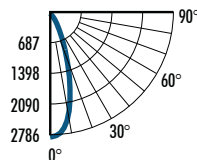
90 CRI : 0.84

3500K : 1.00

97 CRI : 0.73

3000K : 1.00

2700K : 0.96



Horizontal Angle										Vertical Angle (Fixture calculated at aiming point (90°) to horizontal surface)															
No Tilt				A° = 30°						A° = 30°				A° = 45°				A° = 60°							
H	FC	W	L	H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L	D	H	FC	W	L		
6.0'	124	2.5'	2.5'	6.0'	4.2'	68	3.0'	3.8'	2.0'	7.5'	19	3.2'	30.2'	2.0'	3.5'	140	1.6'	3.8'	2.0'	2.9'	211	1.4'	2.7'		
8.0'	70	3.3'	3.3'	8.0'	5.6'	38	4.0'	5.0'	3.0'	11.2'	9	4.8'	45.3'	3.0'	5.2'	62	2.5'	5.7'	3.0'	4.3'	94	2.2'	4.1'		
10.0'	45	4.1'	4.1'	10.0'	7.0'	25	5.0'	6.3'	4.0'	14.9'	5	6.4'	60.4'	4.0'	6.9'	35	3.3'	7.6'	4.0'	5.7'	53	2.9'	5.5'		
12.0'	31	4.9'	4.9'	12.0'	8.4'	17	6.0'	7.5'	5.0'	18.7'	3	8.0'	75.5'	5.0'	8.7'	22	4.1'	9.5'	5.0'	7.1'	34	3.6'	6.9'		
14.0'	23	5.8'	5.8'	14.0'	9.8'	13	7.0'	8.8'	6.0'	22.4'	2	9.6'	90.5'	6.0'	10.4'	16	4.9'	11.3'	6.0'	8.6'	23	4.3'	8.2'		

6.0'	85	3.6'	3.6'		6.0'	4.2'	47	4.4'	5.6'	2.0'	7.5'	13	4.6'	-	2.0'	3.5'	95	2.4'	6.5'	2.0'	2.9'	144	2.1'	4.4'
8.0'	48	4.8'	4.8'		8.0'	5.6'	26	5.8'	7.5'	3.0'	11.2'	6	6.9'	-	3.0'	5.2'	42	3.6'	9.8'	3.0'	4.3'	64	3.1'	6.7'
10.0'	30	6.0'	6.0'		10.0'	7.0'	17	7.3'	9.3'	4.0'	14.9'	3	9.2'	-	4.0'	6.9'	24	4.8'	13.1'	4.0'	5.7'	36	4.2'	8.9'
12.0'	21	7.2'	7.2'		12.0'	8.4'	12	8.8'	11.2'	5.0'	18.7'	2	11.6'	-	5.0'	8.7'	15	6.0'	16.3'	5.0'	7.1'	23	5.2'	11.1'
14.0'	16	8.4'	8.4'		14.0'	9.8'	9	10.2'	13.1'	6.0'	22.4'	1	13.9'	-	6.0'	10.4'	11	7.2'	19.6'	6.0'	8.6'	16	6.3'	13.3'

6.0'	77	3.9'	3.9'		6.0'	4.2'	43	4.7'	6.1'	2.0'	7.5'	12	5.0'	-	2.0'	3.5'	87	2.6'	7.5'	2.0'	2.9'	131	2.2'	5.0'
8.0'	44	5.2'	5.2'		8.0'	5.6'	24	6.3'	8.1'	3.0'	11.2'	5	7.5'	-	3.0'	5.2'	39	3.9'	11.2'	3.0'	4.3'	58	3.4'	7.4'
10.0'	28	6.4'	6.4'		10.0'	7.0'	15	7.9'	10.1'	4.0'	14.9'	3	10.0'	-	4.0'	6.9'	22	5.2'	15.0'	4.0'	5.7'	33	4.5'	9.9'
12.0'	19	7.7'	7.7'		12.0'	8.4'	11	9.4'	12.1'	5.0'	18.7'	2	12.4'	-	5.0'	8.7'	14	6.4'	18.7'	5.0'	7.1'	21	5.6'	12.4'
14.0'	14	9.0'	9.0'		14.0'	9.8'	8	11.0'	14.2'	6.0'	22.4'	1	14.9'	-	6.0'	10.4'	10	7.7'	22.4'	6.0'	8.6'	15	6.7'	14.9'