

# PRIME

## PRIME 3" LED ARCHITECTURAL SQUARE FLANGED DOWNLIGHT

JOB INFORMATION	TYPE:
	CATALOG NO.
	PROJECT NAME:
	COMMENTS:
	PREPARED BY:

### USE OF PRODUCT

The 3" PRIME Downlight is a small aperture fixture with shallow height that may be used in residential and commercial applications. Available in die cast trims, with an assortment of color temperatures, optics and dimmable drivers.

### PRIME FEATURES

Color Temperature: 2700K, 3000K, 3500K, or 4000K  
 SDCM: 2 step binning  
 Color Rendering Index: 93+ CRI  
 Optical Lens: 12°, 22°, 27°, 35°, 45°  
 Trim: Die cast or spun aluminum  
 LED Life: 50,000 Hours  
 LED Type: Cree LED  
 Driver Info: 120-277V, 50/60 Hz, PF>0.9, THD<0.20  
 Warranty: 5 year limited warranty

### LED ENGINE

LED engine available with CREE LEDs in 2700K, 3000K, 3500K, or 4000K in standard 93+ CRI. 2 Step MacAdam ellipse allows for color consistency between fixtures. LED mounted to aluminum heat sink for maximum life output and thermal management. LED engine is accessible from below ceiling.

### FRAME CONSTRUCTION

IC rated housing constructed from 16 gauge heavy duty powder coated cold rolled steel frame. Junction box with 1/2" knockouts. Butterfly bracket included to accommodate adjustable bar hangers or C-channel (ordered separately).

### ADJUSTMENT

- Housing provides for 359° locking rotation  
 - Aperture collar adjusts 15°± horizontally within frame for square ceiling alignment  
 - Collar notch allows for easy alignment for square applications.  
 - Aperture collar compatible up to 1½" ceiling thickness.  
 - Accommodation for 2" or 3" ceiling thickness available upon request.

### OPTICAL LENS & FILTERS(Field Replaceable)

Field replaceable optical lens available in 12°, 22°, 27°, 35° and 45°. Easily achieve narrow spot to wide flood beam pattern. Accepts up to 2 filters.

### DIMMING

Available in 8 driver selections. (ID) Standard all-inclusive ELV(120V), Triac(120V), and 0-10V(120-277V) dimming driver called Intelligent Drive, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LDE5) Lutron Hi-Lume 5% Ecosystem, 120-277V. (LTE) Hi-Lume 1% 2-wire, 120V. (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V. Driver accessible from below ceiling.

### THERMAL MANAGEMENT

Ambient temperatures at fixture location should not exceed -20° to 40°C.

### EMERGENCY BATTERY

Optional emergency battery available for a minimum of 90 minutes with both remote test switch in 800 delivered lumens.

### TRIM

Trim available in die cast or spun aluminum. Consult factory for made to order finishes. Flanged trim is compatible with all ceiling materials.

### LABELS/COMPLIANCE/WARRANTY

- CSA Listed for US and Canada  
 - Dry/Damp/Wet location rated.  
 - Energy Star  
 - Title 24, JA8 Compliant  
 - 5 Year limited warranty.



## ORDERING INFO

RPA3							
Series	Lumens	Color Temp	Voltage	Dimming	Optical Lens	Filter	
PRIME SERIES	8 - 825 lm	27 - 2700K	UNV - 120-277V	ID <sup>1</sup> - Standard all-inclusive ELV, Triac, and 0-10V dimming driver (Intelligent Drive) PEQ0 - Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming LDE1 <sup>2</sup> - Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming LTE <sup>2</sup> - Hi-Lume 1% 2-wire L3DA - Hi-lume 1% EcoSystem/3-Wire L3D Driver EEI <sup>2</sup> - eldoLED Eco 1% Dim (0-10V) EDIO <sup>2,3</sup> - eldoLED Solo 0.1% Dim (0-10V) EDID <sup>2,3</sup> - eldoLED Solo 0.1% Dim (DALI)	12 - 12°	None - Leave blank F - Frosted H - Honeycomb S - Solite L - Linear	
	12 - 1235 lm	30 - 3000K	120 - 120V		22 - 22°		
	15 - 1500 lm	35 - 3500K	347 - 347V		27 - 27°		
		40 - 4000K			35 - 35°		
					45 - 45°		

SFD				
Housing Type	Aperture	Frame Accessories	Collar	Option
IC - IC New Construction	SFD - Square Flanged Downlight	AH - Adjustable bar hanger C - C Channel bar hanger B - Flat bar hanger	Blank - 1.5" Depth 20 - 2" Depth 30 - 3" Depth MTO - Made to order	ER8 <sup>2</sup> - Emergency battery with remote switch (800 Lumens) CP - Chicago Plenum

1. Intelligent Drive is the standard driver.  
 2. Ceiling access required.  
 3. Must specify logarithmic or linear eldoLED diver.

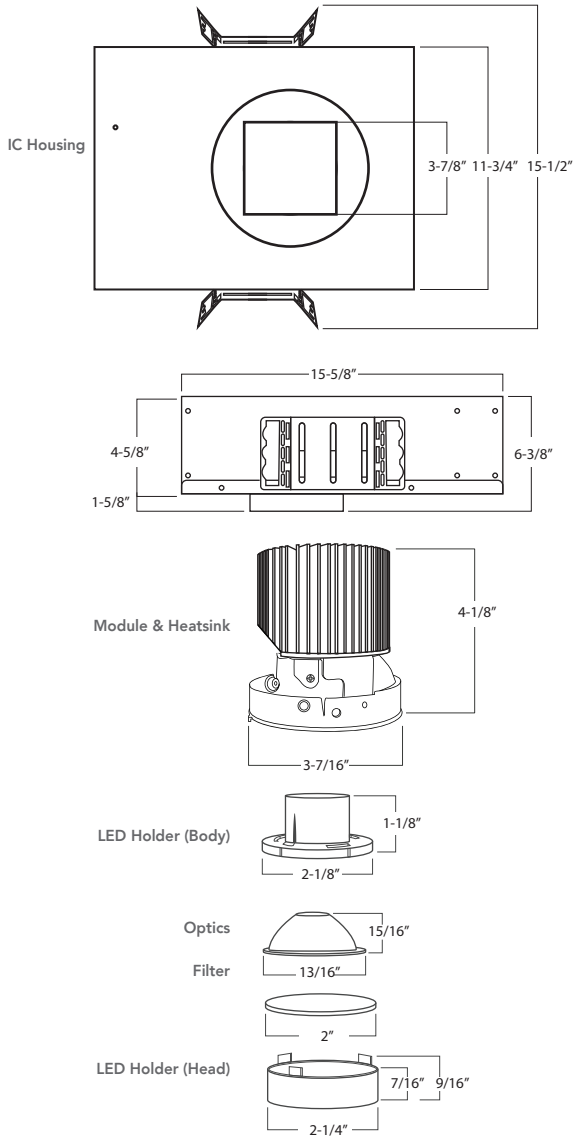
## TRIM ORDERING INFORMATION

Aperture Size / Shape / Trim Type / Style	Bevel Opening	Bevel	Flange	Options
3SFO - 3" Square Flange Open	Die Cast			
	CL - Die cast large opening CS - Die cast small opening	W - White H - Haze B - Black BZ - Bronze C - Clear MTO - Made to order	W - White B - Black BZ - Bronze MTO - Made to order	WL - Wet location

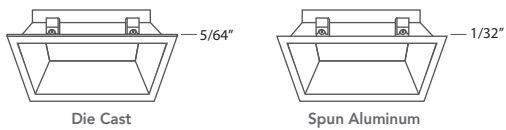
# PRIME

## PRIME 3" LED ARCHITECTURAL SQUARE FLANGED DOWNLIGHT

### DIMENSIONS



### TRIM THICKNESS



### LUMEN CHART

Wattage	Delivered Lumens	Voltage	CRI
10W	825 Lm	120-277V	93+
14W	1235 Lm	120-277V	93+
20W	1500 Lm	120-277V	93+

\*Above chart and ordering information reflect delivered lumens based on 3000K, 35° optical lens, with white bevel.  
 \*\*Lumens will vary based on CCT, optical lens, and bevel finish

### FRAME ACCESSORIES

#### B

Flat Bar Hanger

#### C

C Channel Bar Hanger

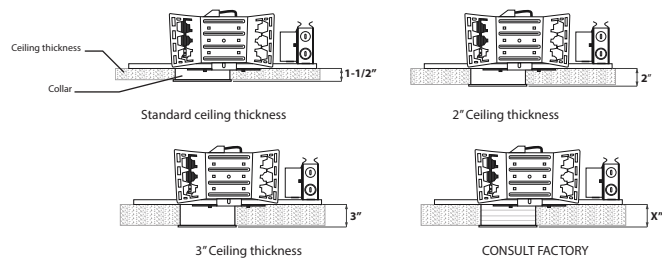
#### AH

0°-90° Tilt

Locked at 90°

C Channel Bar Hanger

### COLLAR DEPTH PER CEILING THICKNESS



# PRIME

PRIME 3" LED ARCHITECTURAL  
SQUARE FLANGED DOWNLIGHT

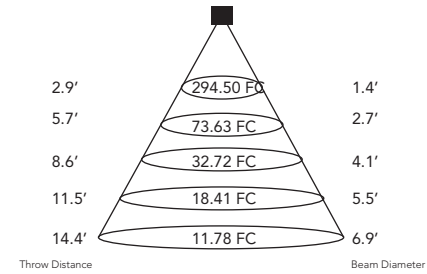
## AT-A-GLANCE TECHNICAL INFORMATION

3" PRIME DOWNLIGHT

### RPA - 8L

#### 12° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-8L-30K-12°- Square Large Open
LUMENS	786.4 LM
WATTS	10 W
CCT	3000K



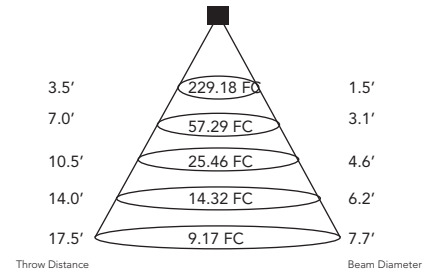
Zone	Lumens	%Lamp	%Luminaire
0-30	699.2	88.9%	88.8%
0-40	741.2	94.3%	94.1%
0-60	780.8	99.3%	99.1%
60-90	7.0	0.9%	0.9%
0-90	787.8	100.2%	100%

Zone Lumen Summary

### RPA - 8L

#### 22° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-8L-30K-22°- Square Large Open
LUMENS	794 LM
WATTS	10 W
CCT	3000K



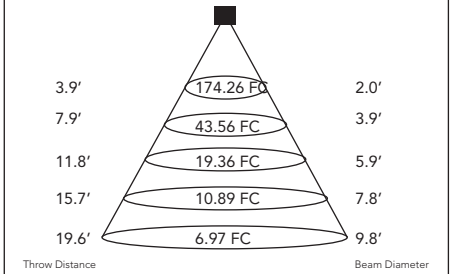
Zone	Lumens	%Lamp	%Luminaire
0-30	691.7	87.1%	87%
0-40	749.6	94.4%	94.3%
0-60	788.3	99.3%	99.2%
60-90	6.6	0.8%	0.8%
0-90	794.9	100.1%	100%

Zone Lumen Summary

### RPA - 8L

#### 27° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-8L-30K-27°- Square Large Open
LUMENS	816.2 LM
WATTS	10 W
CCT	3000K



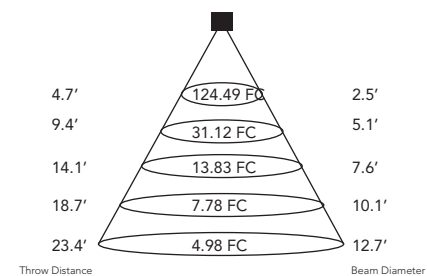
Zone	Lumens	%Lamp	%Luminaire
0-30	775.4	89.9%	89.9%
0-40	828.3	96.1%	96%
0-60	858.2	99.5%	99.2%
60-90	4.7	0.5%	0.5%
0-90	862.9	100.1%	100%

Zone Lumen Summary

### RPA - 8L

#### 35° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-8L-30K-35°- Square Large Open
LUMENS	827.2 LM
WATTS	10 W
CCT	3000K



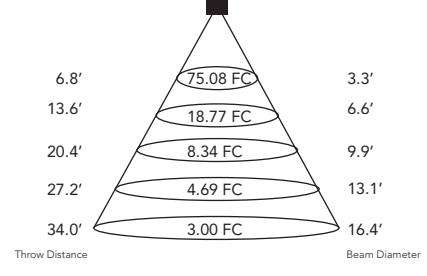
Zone	Lumens	%Lamp	%Luminaire
0-30	706.6	85.4%	85.5%
0-40	779.8	94.3%	94.3%
0-60	821.5	99.3%	99.4%
60-90	5.3	0.6%	0.6%
0-90	826.8	100%	100%

Zone Lumen Summary

### RPA - 8L

#### 45° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-8L-30K-45°- Square Large Open
LUMENS	800.8 LM
WATTS	10 W
CCT	3000K



Zone	Lumens	%Lamp	%Luminaire
0-30	565.0	70.6%	70.6%
0-40	709.2	88.6%	88.6%
0-60	793.7	99.1%	99.2%
60-90	6.7	0.8%	0.8%
0-90	800.5	100%	100%

Zone Lumen Summary

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# PRIME

PRIME 3" LED ARCHITECTURAL  
SQUARE FLANGED DOWNLIGHT

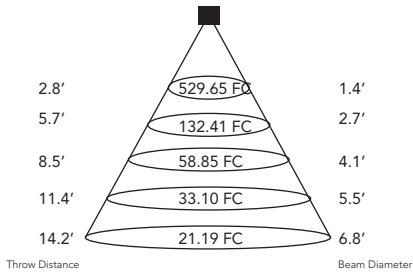
## AT-A-GLANCE TECHNICAL INFORMATION

3" PRIME DOWNLIGHT

### RPA - 15L

#### 12° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-12°- Square Large Open
LUMENS	1410 LM
WATTS	20 W
CCT	3000K



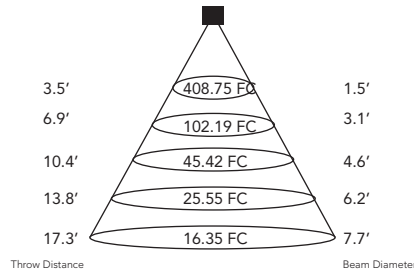
Zone	Lumens	%Lamp	%Luminaire
0-30	1,253.1	88.9%	88.7%
0-40	1,327.7	94.2%	94%
0-60	1,398.8	99.2%	99.1%
60-90	13.3	0.9%	0.9%
0-90	1,412.2	100.2%	100%

Zone Lumen Summary

### RPA - 15L

#### 22° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-22°- Square Large Open
LUMENS	1422 LM
WATTS	20 W
CCT	3000K



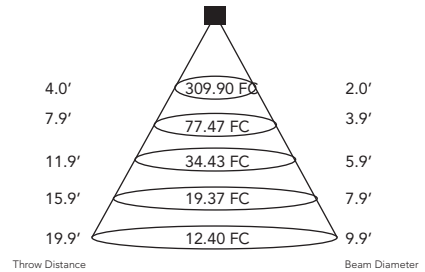
Zone	Lumens	%Lamp	%Luminaire
0-30	1,235.7	86.9%	86.8%
0-40	1,340.5	94.3%	94.2%
0-60	1,410.9	99.2%	99.1%
60-90	12.7	0.9%	0.9%
0-90	1,423.6	100.1%	100%

Zone Lumen Summary

### RPA - 15L

#### 27° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-27°- Square Large Open
LUMENS	1462.7 LM
WATTS	20 W
CCT	3000K



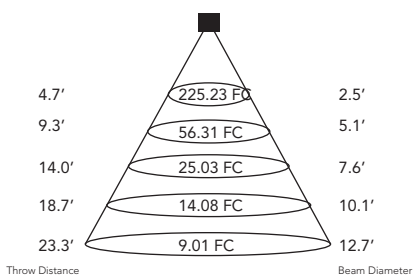
Zone	Lumens	%Lamp	%Luminaire
0-30	1,263.5	86.4%	86.4%
0-40	1,377.9	94.2%	94.2%
0-60	1,450.7	99.2%	99.2%
60-90	12.0	0.8%	0.8%
0-90	1,462.7	100%	100%

Zone Lumen Summary

### RPA - 15L

#### 35° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-35°- Square Large Open
LUMENS	1495 LM
WATTS	20 W
CCT	3000K



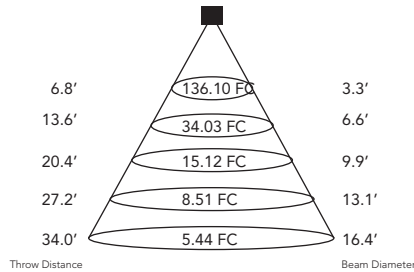
Zone	Lumens	%Lamp	%Luminaire
0-30	1,278.6	85.5%	85.5%
0-40	1,409.4	94.3%	94.3%
0-60	1,484.4	99.3%	99.3%
60-90	10.5	0.7%	0.7%
0-90	1,494.9	100%	100%

Zone Lumen Summary

### RPA - 15L

#### 45° Beam, Square Large Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-45°- Square Large Open
LUMENS	1457.1 LM
WATTS	20 W
CCT	3000K



Zone	Lumens	%Lamp	%Luminaire
0-30	1,025.8	70.4%	70.4%
0-40	1,288.3	88.4%	88.4%
0-60	1,443.3	99%	99.1%
60-90	13.2	0.9%	0.9%
0-90	1,456.5	100%	100%

Zone Lumen Summary

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# PRIME

PRIME 3" LED ARCHITECTURAL  
SQUARE FLANGED DOWNLIGHT

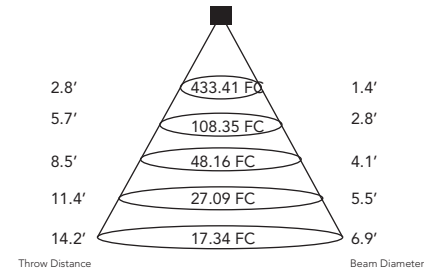
## AT-A-GLANCE TECHNICAL INFORMATION

3" PRIME DOWNLIGHT

### RPA - 12L

#### 12° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-12L-30K-12°- Square Small Open
LUMENS	1169.4 LM
WATTS	14 W
CCT	3000K



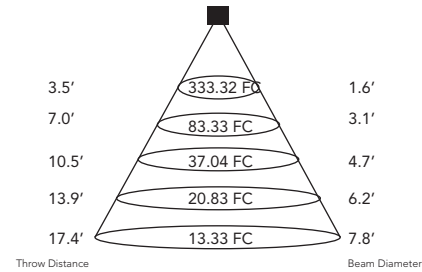
Zone	Lumens	%Lamp	%Luminaire
0-30	1,033.9	88.4%	88.3%
0-40	1,095.9	93.7%	93.6%
0-60	1,157.1	98.9%	98.8%
60-90	14.2	1.2%	1.2%
0-90	1,171.3	100.2%	100%

Zone Lumen Summary

### RPA - 12L

#### 22° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-12L-30K-22°- Square Small Open
LUMENS	1176.9 LM
WATTS	14 W
CCT	3000K



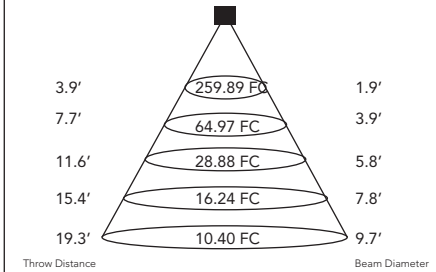
Zone	Lumens	%Lamp	%Luminaire
0-30	1,019.7	86.6%	86.5%
0-40	1,104.4	93.8%	93.7%
0-60	1,164.4	98.9%	98.8%
60-90	13.9	1.2%	1.2%
0-90	1,178.3	100.1%	100%

Zone Lumen Summary

### RPA - 12L

#### 27° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-12L-30K-27°- Square Small Open
LUMENS	1213.9 LM
WATTS	14 W
CCT	3000K



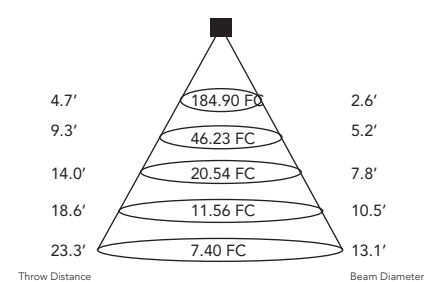
Zone	Lumens	%Lamp	%Luminaire
0-30	1,053.2	86.8%	86.7%
0-40	1,142.7	94.1%	94.1%
0-60	1,202.1	99%	99%
60-90	12.5	1%	1%
0-90	1,214.6	100.1%	100%

Zone Lumen Summary

### RPA - 12L

#### 35° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-12L-30K-35°- Square Small Open
LUMENS	1237.7 LM
WATTS	14 W
CCT	3000K



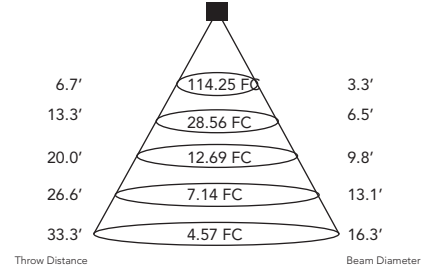
Zone	Lumens	%Lamp	%Luminaire
0-30	1,056.7	85.4%	85.4%
0-40	1,163.9	94%	94%
0-60	1,227.2	99.1%	99.1%
60-90	10.7	0.9%	0.9%
0-90	1,237.9	100%	100%

Zone Lumen Summary

### RPA - 12L

#### 45° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-12L-30K-45°- Square Small Open
LUMENS	1213 LM
WATTS	14 W
CCT	3000K



Zone	Lumens	%Lamp	%Luminaire
0-30	858.7	70.8%	70.8%
0-40	1,075.3	88.7%	88.7%
0-60	1,200.4	99%	99%
60-90	12.4	1%	1%
0-90	1,212.8	100%	100%

Zone Lumen Summary

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# PRIME

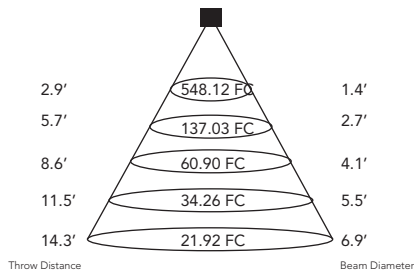
PRIME 3" LED ARCHITECTURAL  
SQUARE FLANGED DOWNLIGHT

## AT-A-GLANCE TECHNICAL INFORMATION

3" PRIME DOWNLIGHT

### RPA - 15L 12° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-12°- Square Small Open
LUMENS	1435.9 LM
WATTS	20 W
CCT	3000K

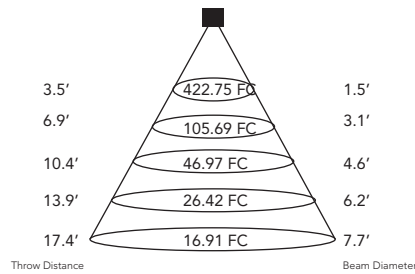


Zone	Lumens	%Lamp	%Luminaire
0-30	1,276.6	88.9%	88.7%
0-40	1,351.5	94.1%	93.9%
0-60	1,424.3	99.2%	99%
60-90	14.2	1%	1%
0-90	1,438.5	100.2%	100%

Zone Lumen Summary

### RPA - 15L 22° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-22°- Square Small Open
LUMENS	1463.8 LM
WATTS	20 W
CCT	3000K

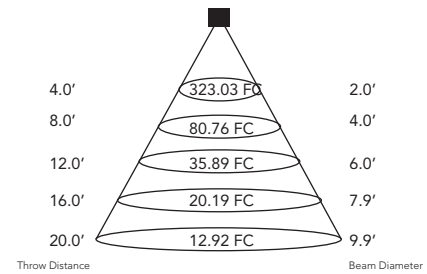


Zone	Lumens	%Lamp	%Luminaire
0-30	1,272.9	87%	86.9%
0-40	1,376.9	94.1%	94%
0-60	1,451.0	99.1%	99%
60-90	14.5	1%	1%
0-90	1,465.5	100.1%	100%

Zone Lumen Summary

### RPA - 15L 27° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-27°- Square Small Open
LUMENS	1491.3 LM
WATTS	20 W
CCT	3000K

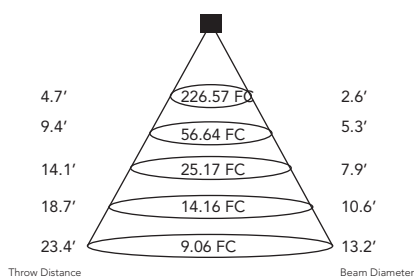


Zone	Lumens	%Lamp	%Luminaire
0-30	1,300.8	87.2%	87.2%
0-40	1,408.5	94.4%	94.4%
0-60	1,479.7	99.2%	99.2%
60-90	12.7	0.8%	0.8%
0-90	1,492.3	100.1%	100%

Zone Lumen Summary

### RPA - 15L 35° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-35°- Square Small Open
LUMENS	1506.2 LM
WATTS	20 W
CCT	3000K

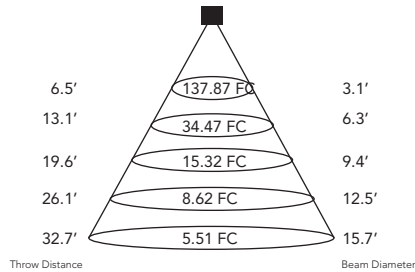


Zone	Lumens	%Lamp	%Luminaire
0-30	1,290.4	85.7%	85.7%
0-40	1,420.0	94.3%	94.3%
0-60	1,495.1	99.3%	99.3%
60-90	11.0	0.7%	0.7%
0-90	1,506.1	100%	100%

Zone Lumen Summary

### RPA - 15L 45° Beam, Square Small Open

TEST DATE	2019-07-12
SERIES	RPA3-15L-30K-45°- Square Small Open
LUMENS	1461.3 LM
WATTS	20 W
CCT	3000K



Zone	Lumens	%Lamp	%Luminaire
0-30	1,036.8	70.9%	71%
0-40	1,297.5	88.8%	88.8%
0-60	1,448.0	99.1%	99.1%
60-90	13.2	0.9%	0.9%
0-90	1,461.2	100%	100%

Zone Lumen Summary

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