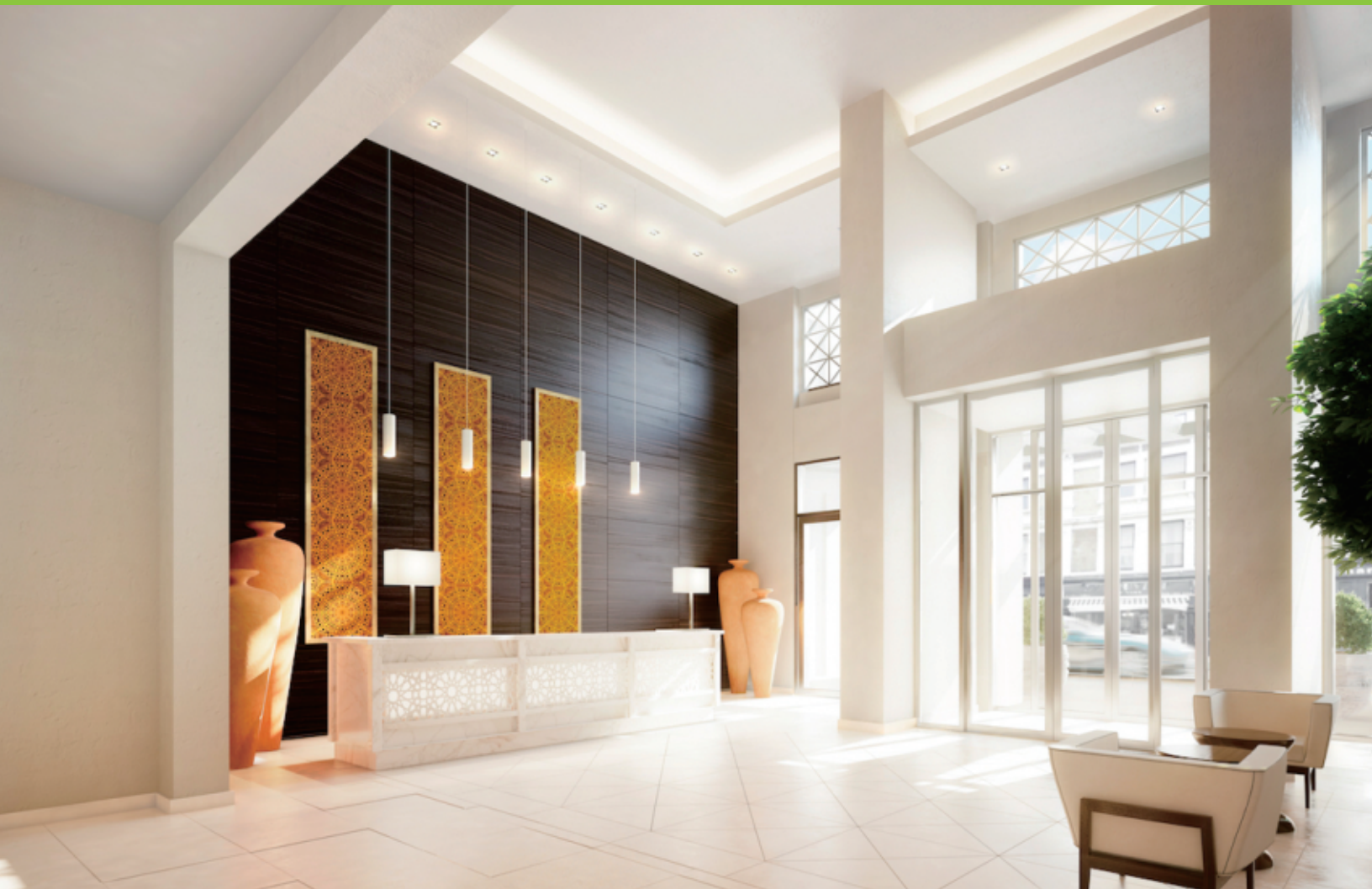# LA-LED STAR LIGHTING | LED

2019 LED Downlight Series

More Choices for More Applications

LA-LED Star strives to deliver ease of installation and high-performance lighting solutions while providing a wide variety of form factors and sizes that it any application. The newest expansion of LA-LED Star's LED downlight family continues to deliver on these standards by providing new remote driver, and surface mount options that not only ofer a variety of choices but also meet Energy Star standards. The range of available sizes and form factors add lexibility in application installation while being supported by an array of accessories and color options on select models.
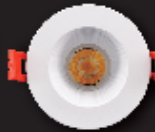
LA-LED Star's LED Downlight Family aims to ill any application need with its large variety of options. With IC and Airtight ratings, these ixtures can be used in areas ranging from residential to retail and commercial spaces. Their high performance, matched with long life, and uniform illumination make them the perfect choices for almost any lighting solution.
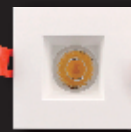
LS-FDLED-S15W6   LS-LED-S6W3-3KWH   LS-LED-2-S8W   LS-LED-2-S8W-SQ   LS-LED-S8W3   LS-PIR-LED-6-15W

REMOTE DRIVER PRODUCTS

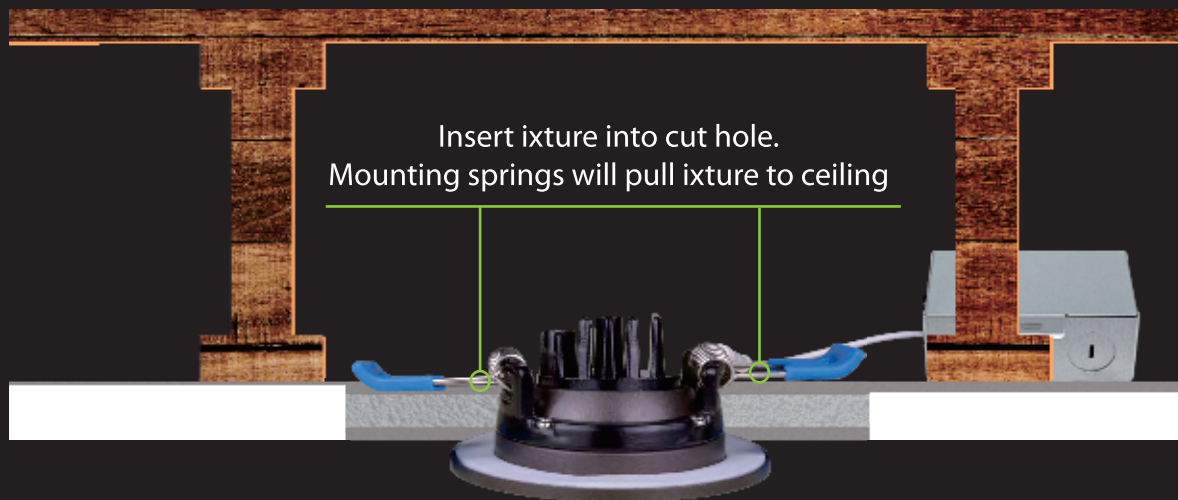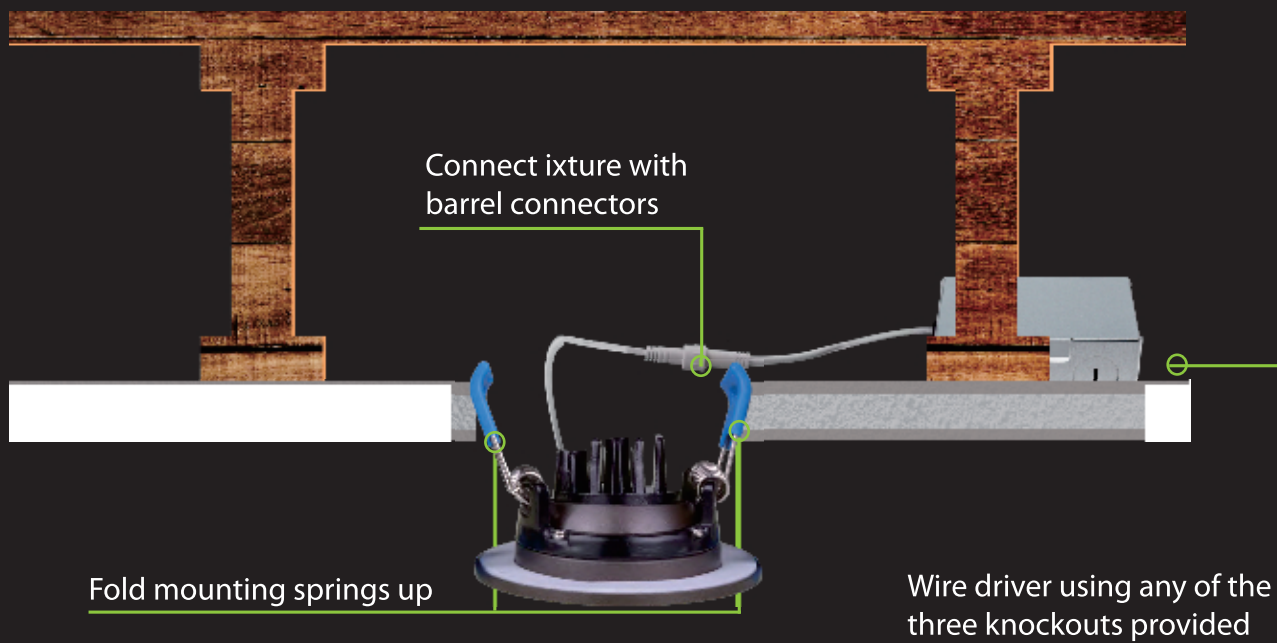Fixtures using the remote driver allow for a more lexible installation process and are now supported with rough-in templates and extension cables to further assist in installment.

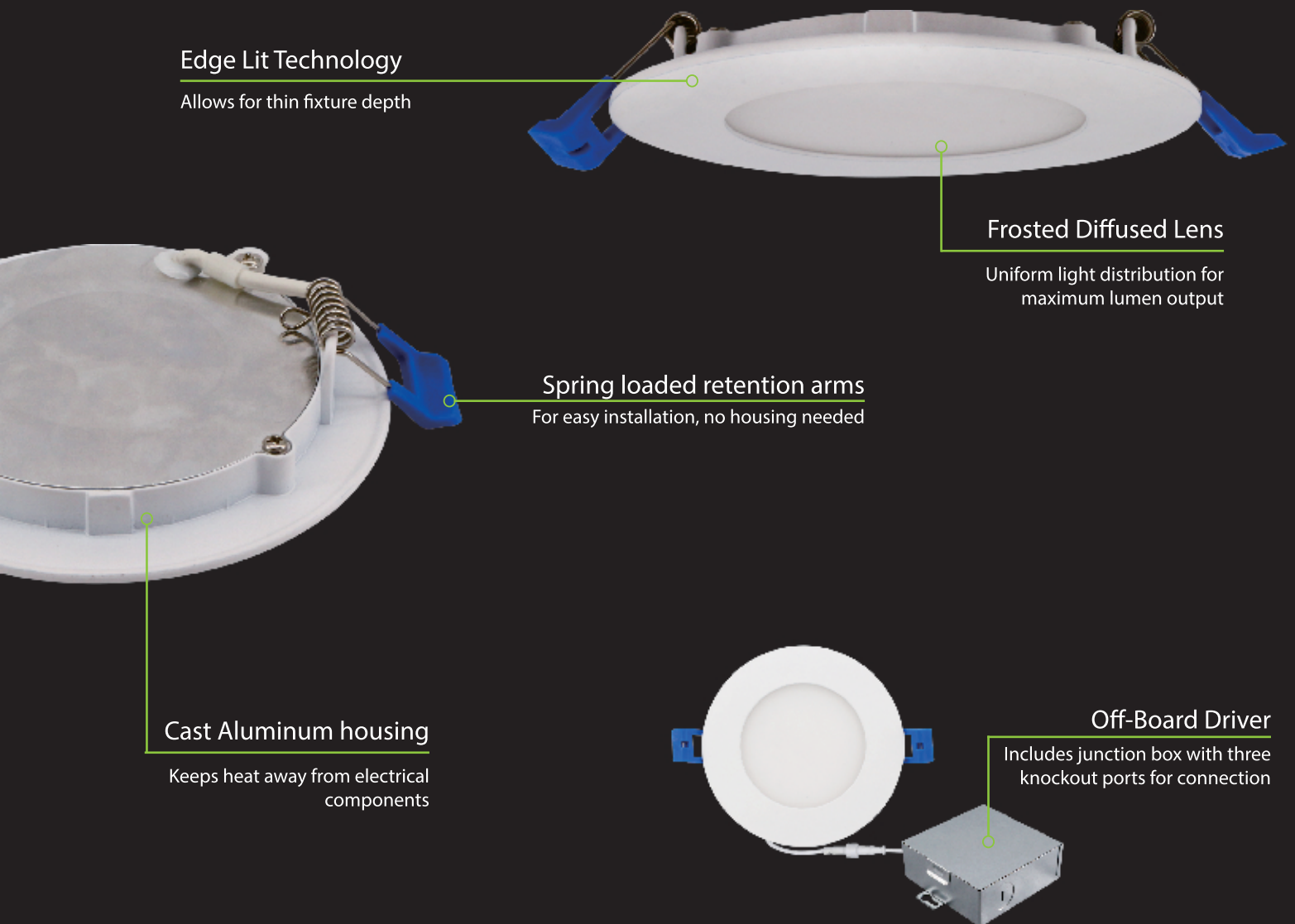# Remote Driver Products Installation

Connect ixture with barrel connectors

Fold mounting springs up

Wire driver using any of the three knockouts provided

Insert ixture into cut hole.
Mounting springs will pull ixture to ceiling

Slim Panel
2" Recessed LED Downlight

The DLE Edge Lit LED Downlight Series ofers an attractive visual aesthetic with a low proile in both round and square apertures. The edge-lit technology uses a relective light guide panel that disperses light through a difused lens, making it a practical and economical solution with high performance. The ultra-thin fixture depth and of-board driver allow for more lexible installation and increased lifetime with improved thermal management. The DLE fixture uses a plenum-rated cable connector to link the downlight module to the remote driver box and then pops into place with its adjustable, spring-loaded retention tabs for a secure it, eliminating the need for a J-box or recessed housing. Adding light in tight spaces such as hallways, bathrooms, basements, entryways, porches, stairways, work areas, utility closets and corridors just got easier.

Edge Lit Technology

Allows for thin fixture depth

Frosted Diffused Lens

Uniform light distribution for maximum lumen output

Spring loaded retention arms

For easy installation, no housing needed

Cast Aluminum housing

Keeps heat away from electrical components

Off-Board Driver

Includes junction box with three knockout ports for connection

Product Measurements

	LS-LED-S6W3	LS-LED-S9W	LS-LED-S9W-SQ	LS-LED-S12W6	LS-LED-S12W6-SQ	LS-LED-S33W-8
Length:	3.69in (94 mm)	5.0in (128 mm)	4.75in (121 mm)	6.75in (171 mm)	6.90in (175 mm)	9.9in (251 mm)
Height:	0.44in (11 mm)	0.44in (11 mm)	0.80in (18 mm)	0.44in (11 mm)	0.82in (21 mm)	1.9in (48 mm)

Slim Panel

Ordering Information

Construction
- Cast aluminum housing routes heat away from electrical components
- Edge-Lit technology allows for extremely thin ixture depth
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certiied for direct contact with insulation
- Includes gasket to meet AirTight requirements
- Square ixture has round back for easier cut in with standard hole cutters.

Optical System
- Precision engineered optical stack creates uniform light distribution that maximizes lumen output
- Frosted difused acrylic lens also available CCT ofered at 3000K, 4000K, 5000K , 6000K
- Utilizes high performing LEDs with a greater than 80 CRI

Electrical
- Of-board driver minimizes installation height and maximizes fixture life through improved heat management
- Dimmable to less than10% with compatible TRIAC dimmers
- Operating temperature of 0° to 120°F (-18°C to 49°C)
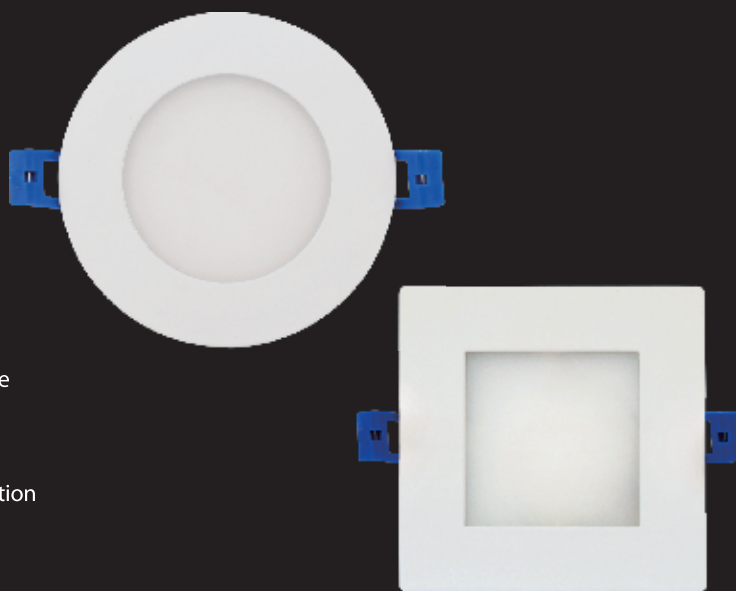- Input voltage of 120VAC

Finish
- Matte white powder coat inish
- Color trims available in Black, Nickel and Aged Copper
- Available in round or square conigurations (Slim Panel 4&6 only)

Mounting and Installation
- Spring loaded retention arms allow for easy installation with no need for a recessed housing
- Of-board driver/junction box includes two 1/2" KOs and three-port poke-in connectors
- Included paper cutting template
- Metal rough in template available
- Extension power cables (2', 10', 20') available
- Suitable for damp locations

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, LA-LED Star recommends installing additional surge protection at the electrical distribution panel

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
LS-LED-S6W3-3KWH	347	5.9	58.8
LS-LED-S6W3-4KWH	354	5.9	60.0
LS-LED-S6W3-5KWH	362	5.9	61.4
LS-LED-S6W3-6KWH	372	5.9	63.0
LS-LED-S9W-3KWH	550	9	61.1
LS-LED-S9W-41KWH	550	9	61.1
LS-LED-S9W-5KWH	550	9	61.1
LS-LED-S9W-6KWH	550	9	61.1
LS-LED-S9W-3KWH-SQ	550	9	61.1
LS-LED-S9W-41KWH-SQ	550	9	61.1
LS-LED-S9W-5KWH-SQ	550	9	61.1
LS-LED-S9W-6KWH-SQ	550	9	61.1
LS-LED-S12W6-3KWH	750	12	62.5
LS-LED-S12W6-41KWH	750	12	62.5
LS-LED-S12W6-5KWH	750	12	62.5
LS-LED-S12W6-5KWH	750	12	62.5
LS-LED-S12W6-3KWH-SQ	750	12	62.5
LS-LED-S12W6-41KWH-SQ	750	12	62.5
LS-LED-S12W6-5KWH-SQ	750	12	62.5
LS-LED-S12W6-5KWH-SQ	750	12	62.5
LS-LED-S33W-8-3KWH	2200	33	66.7
LS-LED-S33W-8-41KWH	2200	33	66.7
LS-LED-S33W-8-5KWH	2200	33	66.7
LS-LED-S33W-8-6KWH	2200	33	66.7

Ordering Information

Example: LS-LED-S9W-3KWH

Series	Voltage	Voltage	CCT	Trim Shape	Trim Color
LS-LED-S6W3		120	3K (3000 K)	RD (Round)	WH (white)
LS-LED-S9W			4K (4000 K)	SQ (Square) (Slim Panel 4&6 only)	
LS-LED-S12W6			5K (5000 K)		
LS-LED-S33W-8			6K (6000 K)		

Gimbal Downlight

Gimbal Recessed LED Downlight

The LED Downlight Gimbal Series offers a line of gimbal downlights that simplify installing tailored lighting in challenging locations. The high performing light engine with of-board driver allows for more flexible installations and increased lifetime with improved thermal management. The fixture uses a plenum-rated cable connector to link the downlight module to the remote driver box and then pops into place with its adjustable, spring-loaded retention tabs for a secure it, eliminating the need for a J-box or recessed housing. Adding directional lighting for architectural accent in areas such as living rooms, hallways, stairways and corridors is now easier than ever.

Aluminum Trim

Trims available in 2", 3" and 4"

Spring loaded retention arms

For easy installation, no housing needed

Gimbal Lens

32° tilt with 360° rotation

Cast Aluminum Housing

Keeps heat away from electrical components

Product Measurements			
	LS-LED-S5W2-G	LS-LED-S8W3-G	LS-LED-S11W4-G
Width:	2.5in (64 mm)	3.4in (86 mm)	5.0in (127 mm)
Height:	1.5in (38 mm)	2.0in (51 mm)	2.3in (58 mm)

Gimbal Downlight
Gimbal Recessed LEDDownlight

Construction
- Cast aluminum trim routes heat away from electrical components
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certiied for direct contact with insulation

Optical System
- COB with greater than 80 CRI
- TIR optic provides smooth, uniform light with a 40° beam angle
- 32° Tilt with 360° rotation

Electrical
- Of-board driver minimizes installation height and maximizes fixture life through improved heat management
- 120V input to driver
- Dimmable to less than 10% with compatible TRIAC dimmers
- Operating temperature rating of 0°F to 120°F (-18°C to 49°C)
- Lifetime rated for greater than 60,000 hours

Finish
- Matte white powder coat inish
- Also available in Black, Oil-Rubbed Bronze and Nickel

Installation
- Spring loaded retention arms allow for easy installation with no need for a recessed housing
- Of-board driver/junction box includes two 1/2" KOs and three-port poke-in connectors
- Extension power cables (2', 10', 20') available
- Suitable for damp locations

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, LA-LED Star recommends installing additional surge protection at the electrical distribution panel

Performance Data			
Model Number	Lumens	Watts	Lumens/Watt
LS-LED-S5W2-3KWH-G/-SQ	400	5	80
LS-LED-S5W2-4KWH-G/-SQ	400	5	80
LS-LED-S5W2-5KWH-G/-SQ	400	5	80
LS-LED-S5W2-6KWH-G/-SQ	400	5	80
LS-LED-S8W3-3KWH-G/-SQ	600	8	75
LS-LED-S8W3-4KWH-G/-SQ	600	8	75
LS-LED-S8W3-5KWH-G/-SQ	600	8	75
LS-LED-S8W3-6KWH-G/-SQ	600	8	75
LS-LED-S11W4-3KWH-G /-SQ	1000	11	90.9
LS-LED-S11W4-4KWH-G /-SQ	1000	11	90.9
LS-LED-S11W4-5KWH-G /-SQ	1000	11	90.9
LS-LED-S11W4-6KWH-G /-SQ	1000	11	90.9

Ordering Information
Example: LS-LED-S5W2-3KWH-GWH

Series	Version	Housing Input Voltage	CCT	Shape	Trim Color
LS-LED-S5W2-G		120 (V)	3K (3000 K)	RD (Round)	WH (white)
LS-LED-S8W3-G			4K (4000 K)		BK (black)
LS-LED-S11W4-G			5K (5000 K)		WH (nickel)
			6K (6000 K)		OB (oil-rubbed bronze)

LED Downlight
2" Recessed LED Downlight

The LED Downlight allows you to bring general ambient lighting into a space with a minimal aperture size. The high performing light engine with of-board driver allows for more flexible installations and increased lifetime with improved thermal management. The fixture uses plenum-rated cable connector to link the downlight module to the remote driver box and then pops into place with its adjustable, spring-loaded retention tabs for a secure it, eliminating the need for a J-box or recessed housing. Adding ambient or accent lighting in areas such as living rooms, hallways, art niches and display cases is now easier than ever.

Optic Lens
Uniform light with 38° beam angle

Cast Aluminum Housing
Keeps heat away from electrical compents

LS-LED-2-S8W

Spring retention arms
Adjustable spring arms
For easy installation

LS-LED-2-S8W-SQ

Product Measurements	
	LS-LED-2-S8W/LS-LED-2-S8W-SQ
Width:	**3.13in** (80 mm)
Height:	**3.0in** (76 mm)

LED Downlight

Recessed LED Downlight

Construction
- Cast aluminum trim routes heat away from electrical components
- Adjustable, spring loaded retention tabs ensure secure fixture retention
- Certiied for direct contact with insulation

Optical System
- COB with greater than 80 CRI
- TIR optic provides smooth, uniform light with a 38° beam angle

Electrical
- Of-board driver minimizes installation height and maximizes fixture life through improved heat management
- 120V input to driver
- Dimmable to less than 10% with compatible TRIAC dimmers
- Operating temperature rating of 0°F to 120°F (-18°C to 49°C)
- Lifetime rated for greater than 60,000 hours

Finish
- Matte white powder coat inish

Installation
- Spring loaded retention arms allow for easy installation with no need for a recessed housing
- Of-board driver/junction box includes two 1/2" KOs and three port poke-in connectors
- Extension power cables (2', 10', 20') available
- Suitable for damp locations

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, LA-LED Star recommends installing additional surge protection at the electrical distribution panel

Performance Data			
Model Number	Lumens	Watts	Lumens/Watt
LS-LED-2-S8W-3K-WH	600	8	75
LS-LED-2-S8W-4K-WH	600	8	75
LS-LED-2-S8W-5K-WH	600	8	75
LS-LED-2-S8W-6K-WH	600	8	75
LS-LED-2-S8W-3K-WH-SQ	600	8	75
LS-LED-2-S8W-4K-WH-SQ	600	8	75
LS-LED-2-S8W-5K-WH-SQ	600	8	75
LS-LED-2-S8W-6K-WH-SQ	600	8	75

Ordering Information					Example: LS-LED-2-S8W-3K-WH
Series	Version	Voltage	CCT	Trim Color	
LS-LED-2-S8W		120 (120V)	2K (2700 K)	WH (white)	
			3K (3000 K)		
			4K (4000 K)		
			5K (5000 K)		

Ordering Information				
Series	Version	Voltage	CCT	Trim Color
LS-LED-2-S8W-SQ		120 (120V)	3K (3000 K)	WH (white)
			4K (4000 K)	
			5K (5000 K)	
			6K (6000 K)	

PIR Closet Light

Surface mount products provide simple driver less designs that fasten directly to most standard 4/O junction boxes.

LED Disk Light

Surface mount products provide simple driver less designs that fasten directly to most standard 4/O junction boxes.

PIR Closet Light Jbox Installation

1. Install surface mount plate to standard 4/O Jbox or 4" pancake
2. Wire ixture
3. Clip ixture to surface mount plate

2

3

1

LED Disk Light Jbox Installation

1. Remove Lens
2. Wire ixture using standard 4/O Jbox or 4" pancake box
3. Screw ixture to Jbox
4. Replace Lens

2

1/4

3

LED Disk Light

Driverless Surface Mount

The LED Disk Light Driverless Surface Mount LED Downlight is our thinnest installation solution designed to it the tightest of spaces. The driverless technology allows this ixture to fasten to most any 4" pancake, non-metallic or 4/O junction box eliminating the need for recessed housing. Simply remove the twist lock difuser and set your included captive screws. It's that quick!

Twist Lock Diffuser
For easy removal during installation

Cast Aluminum Housing
Trims available in 4", 6" and 8" diameter

High Performance LEDs
With greater than 90 CRI and greater than 50 R9 50

Product Measurements	
	LS-FDLED-S15W6
Trim Width:	**7.33in** (186 mm)
Fixture Height:	**1.13in** (29 mm)

LED Disk Light
Ordering Information

Construction
- Twist lock difuser allow for easy removal during installation.
- Spun aluminum housing

Optical System
- Polystyrene difuser and high relectivity cover maximizes light
 output while reducing glare, creating uniform light distribution

Electrical
- Input voltage of 120VAC
- Utilizes high performance LEDs with greater than 80 CRI
- Dimmable to less than 10% with speciic TRIAC dimmers
- Operating temperature of 0º to 120ºF (-18ºC to 49ºC)

Finish
- Matte white powder coat finish

Mounting and Installation
- Easy installation in any 4" pancake, 4" non-metallic or 4/O junction box
- Suitable for use in closets
- Keyhole mounting slots allow for quick installation to junction boxes
- Suitable for wet locations
- For installations where power surge may be possible, LA-LED Star
 recommends installing additional surge protection at the electrical
 distribution panel
- Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage
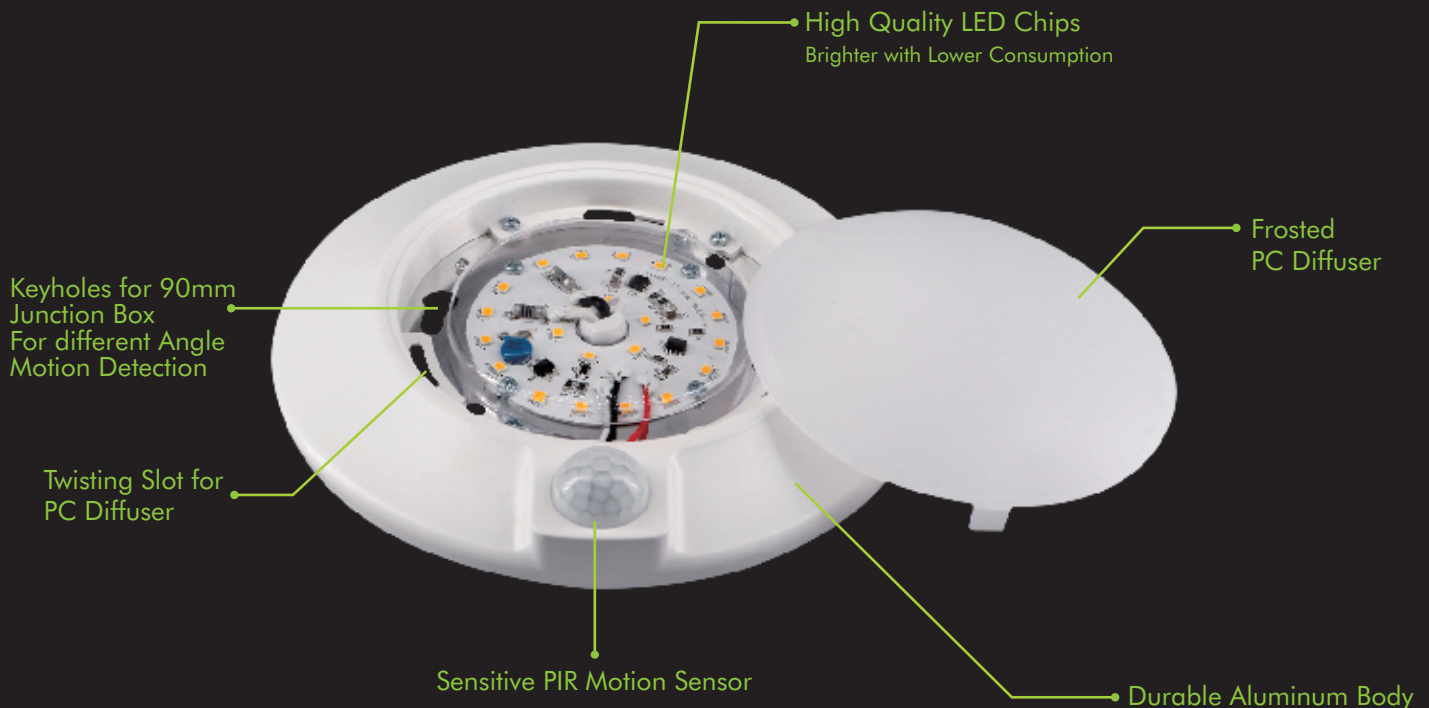 event (power surge)

Performance Data			
Model Number	Lumens	Watts	Lumens/Watt
LS-FDLED-S15W6-3KWH	1000	15	66.7
LS-FDLED-S15W6-4KWH	1000	15	66.7
LS-FDLED-S15W6-5KWH	1000	15	66.7
LS-FDLED-S15W6-6KWH	1000	15	66.7

Ordering Information			Example: LS-FDLED-S15W6-3KWH
Series/Version	Voltage	CCT	Trim Color
LS-FDLED-S15W6	120	3K (3000 K)	WH (white)
		4K (4000 K)	
		5K (5000 K)	
		6K (6000 K)	

SURFACE MOUNT INSTALL

PIR Closet Light

The PIR Closet Light technology uses a relective light guide panel that disperses light through a difused lens, making it a practical and economical solution with high performance. The driver less design allows the PIR Closet Light to snap mount into most 4" junction boxes with no concern for plenum depth. Available in a variety of diameters, the PIR Closet Light brings a clean aesthetic and excellent performance to any area of the home.

High Quality LED Chips
Brighter with Lower Consumption

Frosted
PC Diffuser

Keyholes for 90mm
Junction Box
For different Angle
Motion Detection

Twisting Slot for
PC Diffuser

Sensitive PIR Motion Sensor

Durable Aluminum Body

Product Measurements	
	LS-PIR-LED-6-15W
Width:	**7.75in** (**198** mm)
Height:	**1.3**in (32. 8mm)

PIR Closet Light

Construction
- Aluminum backplate with integral snap tabs
- Injection molded polymer trim
- Available in round or square conigurations

Optical System
- Precision engineered optical stack creates uniform light distribution that maximizes lumen output
- CCT ofered at 3000K, 4000K, 5000K, 6000K
- Utilizes high performing LEDs with a greater than 80 CRI

Electrical
- When motion is detected, it automatically turning lights ON and turns the lights off after 30 seconds when the room is vacated
- Flame Retarted PC material, minimizing signal interference
- Input voltage: AC 120V 50/60Hz
- The light features a 15W LED module, making it the energy efixcient, popular alternative to incandescent and CFL fixtures
- The light incorporates today's most wanted features and meets NFPA 70, NEC Section 410.16 C (1) requirements
- It is easy to install with keyholes for multiple ceiling box configurations Designed for indoor use only

Finish
- Matte White

- Surface mounts with integral snap tabs to most 4" junction boxes
Mounting and Installation

- Mounting plate included
- Mount plate includes features to keep fixtures aligned in an installation
- Suitable for damp locations

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

 recommends installing additional surge protection at the electrical distribution panel

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
LS-PIR-LED-6-15W-3KWH	1000	15	66.7
LS-PIR-LED-6-15W-4KWH	1000	15	66.7
LS-PIR-LED-6-15W-5KWH	1000	15	66.7
LS-PIR-LED-6-15W-6KWH	1000	15	66.7

Ordering Information- Round Trim

Example: LS-PIR-LED-6-15W-3KWH

Series	Size	Version	Voltage	CCT	Trim Shape	Trim Color
LS-PIR-LED-6-15W-3KWH				3K (3000 K)	RD (Round)	WH (White)
				4K (4000 K)		
				5K (5000 K)		
				6K (6000 K)		

SURFACE MOUNT INSTALL

Accessories

LS-LED-S5W2-G-SQ	LS-LED-G-S5W2
2" Rough In Template	LS-MP2 (ø54mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

LS-LED-2-S8W-SQ	LS-LED-2-S8W
24' Extension Cable	LS-MP3 (ø70mm)
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

LS-LED-S8W3-G-SQ	LS-LED-S8W3-G
3" Rough in Template	LS-MP3 (ø70mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

LS-LED-S11W4-G-SQ	LS-LED-S11W4-G
4" Rough in Template	LS-MP3 (ø105mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

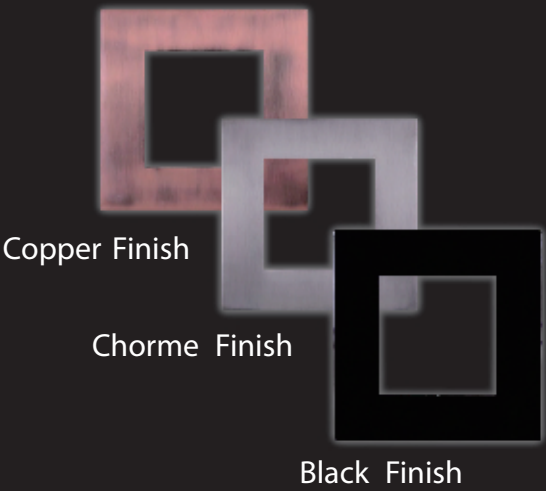| LS-LED-S6W3	
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

LS-LED-S9W-SQ	LS-LED-S9W
4" Aged Copper Trim Ring- Round	LS-TRIM-CP
4" Black Trim Ring- Round	LS-TRIM-BK
4" Brushed Nickel Trim Ring - Round	LS-TRIM-BN
Round Mounting Template (13" length)	LS-MP4-1 (ø105mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

For use with slim LED fixtures

new construction
pre-mounting plate with collar for
use with screw down "C" style
remodel housings

Copper Finish

Chorme Finish

Black Finish

new construction
pre-mounting plate with collar for
use with screw down "C" style
remodel housings

LS-LED-S12W6-SQ	LS-LED-S12W6
6" Aged Copper Trim Ring- Round	LS-TRIM-CP
6" Black Trim Ring- Round	LS-TRIM-BK
6" Brushed Nickel Trim Ring - Round	LS-TRIM-BN
Round Mounting Template (13" length)	LS-MP4-1 (ø105mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

LS-LED-S33W8	
8" Aged Copper Trim Ring- Round	LS-TRIM-CP
8" Black Trim Ring- Round	LS-TRIM-BK
8" Brushed Nickel Trim Ring - Round	LS-TRIM-BN
8" Rough in Template	LS-MP4-1 (ø105mm)
6' Extension Cable	LS-FLEX-6
10' Extension Cable	LS-FLEX-10
20' Extention Cable	LS-FLEX-20

Copper Finish

Chorme Finish

Black Finish

For use with slim LED fixtures

new construction
pre-mounting plate with collar for
use with screw down "C" style
remodel housings