Portfolio

LD2 | LDA2 2-inch LED

Downlight and Adjustable
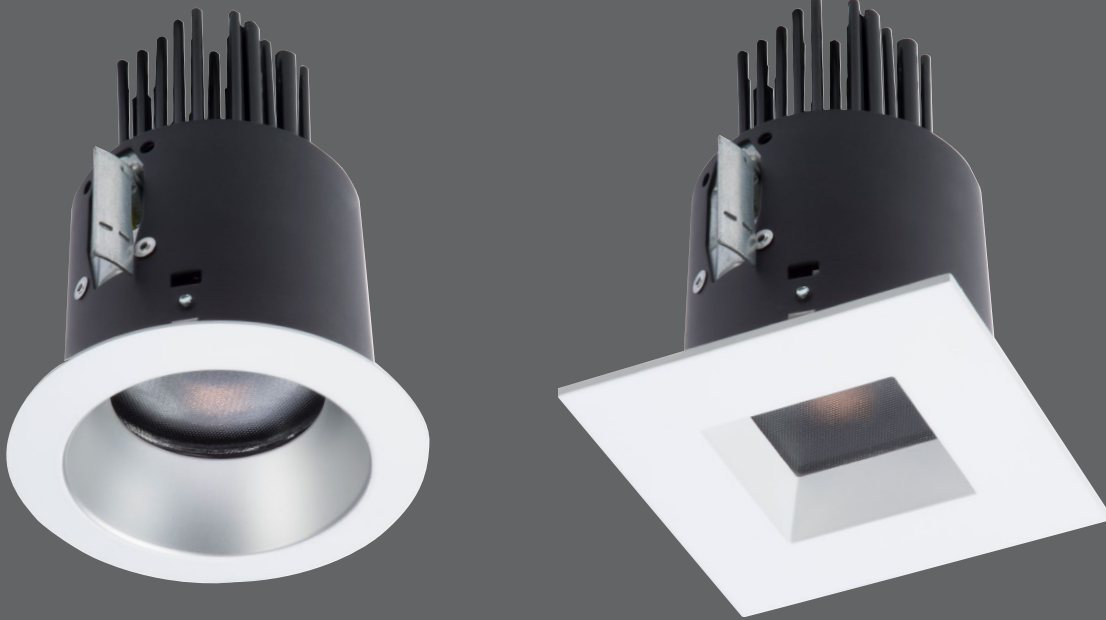
COOPER
Lighting Solutions

2 inch

Specification grade small aperture product family combining energy efficiency with superior cutoff, optical performance and control for Architectural applications. This complete family, designed for glare free illumination from recessed downlights and cylinders, is complimented by directional/accent and wall wash luminaires to consistently complete all spaces. Comprehensive line includes a multitude of driver options, color temperature, CRI, beam distributions and reflector finishes. The small aperture is available with a flangeless trim for mud in applications creating a architecturally pleasing, seamless installation.
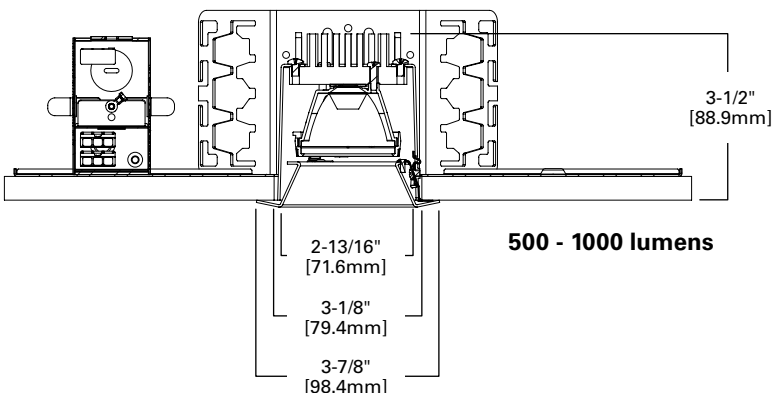
Imagine the possibilities………..

2 Inch

LED Downlight

New construction or below ceiling installation delivering >100 lumens per watt for 2X4 and 2X6 construction. Offered in four distributions providing superior light control with low aperture brightness. Choice of 6 color temperatures in 80, 90 and 97 CRI to meet all application requirements. Standard 0-10V driver dims to 1% and offered with many optional drivers providing ultimate control. The small round aperture is available with a flangeless trim for mud in applications creating a architecturally pleasing, seamless installation.

New Construction

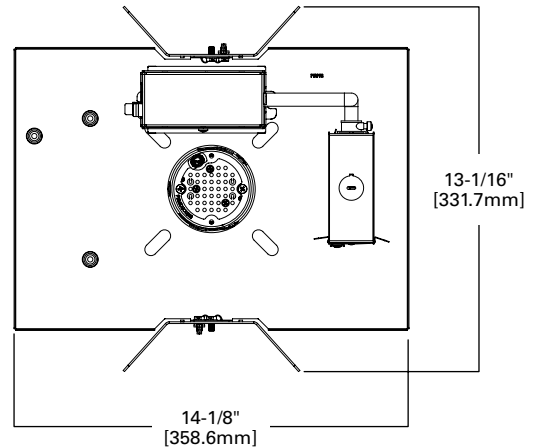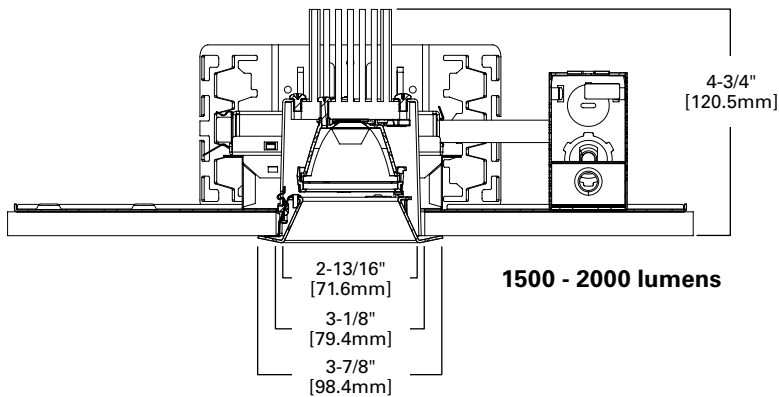4-3/4"
[120.5mm]

2-13/16"
[71.6mm]

3-1/8"
[79.4mm]

3-7/8"
[98.4mm]

1500 - 2000 lumens

13-1/16"
[331.7mm]

14-1/8"
[358.6mm]

3-1/2"
[88.9mm]

2-13/16"
[71.6mm]

3-1/8"
[79.4mm]

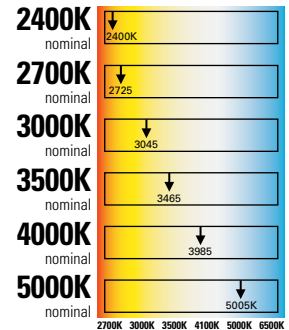3-7/8"
[98.4mm]

500 - 1000 lumens

Features and Benefits

- Delivered lumens ranging from 500 to 2000
- Available in 2400K, 2700K, 3000K, 3500K, 4000K, or 5000K
- 80, 90 or 97 CRI
- Color variation within 3-step MacAdam ellipses
- 15°, 25°, 40°, or 55° optics produce a smooth distribution
- Standard 0-10V 1% dimming driver
- Optional dual dimming driver, 0-10V or trailing edge
- Optional 100%-0% Fifth Light, 0-10V, or DMX dimming drivers

- ENERGY STAR® qualified with select trims and CCT
- Downlights are cULus listed for protected damp locations
- Lensed trims are cULus listed for wet locations
- Photometric testing completed in accordance with IES LM 79 standards
- L70 at 50,000 hours, projected in accordance with IES TM-30
- 5 year warranty

Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

Ordering Information:

Order Housing, Power Module, Trim and Accessories Separately

Sample Number: LD2B15D010

Housing	Lumens [1]	Voltage	Driver	Options
LD2B=New Construction Downlight 2" 2000 lumen **LDRT2B**=Remodel Downlight 2" 500-1500 lumen **LD2BCP**=LED Downlight 2" Nominal Aperture, Chicago Plenum[12]	**5**=500 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens	**Blank**=120-277V	**500 - 2000 Lumens** **D010**=0-10V Dimming, 1% to 100%, 120V-277V **DLV**=Low voltage dimming driver (1-100%) for use with DLVP system[6] **1000 - 2000 Lumens** **D010TR**=0-10V or Line Voltage Dimming, 1% to 100%, 120V-277V **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V[6] **D5LT**=Fifth Light® (DALI) Dimming, 0% to 100%, 120V-277V[6] **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[6,9] **DL2**=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only[6] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120V-277V[6]	**EMBOD**=Bodine® Emergency Module with Remote Test Switch[6] **EM7**=7W Emergency Module with Remote Test Switch[6] **EM14**=14W Emergency Module with Remote Test Switch[6] **EMV7**=7W Low Voltage Emergency Module with Remote Test Switch[6] **EMV14**=14W Low Voltage Emergency Module with Remote Test Switch[6] **SWPD1**=Factory installed WaveLinx tilemount daylight sensor (includes control module, sensor, cable, and tile mount)[6,10] **LWTPD1**=Factory installed LumaWatt Pro wireless sensor kit[6,10]

Sample Number: EU2B158035

Power Module	Lumen Level / Distribution / Optic	CRI	Color		
EU2B = 2" Universal LED Module	**05SP15**=500 lumen 15° IC Rated **05WW**=500 lumen wall wash IC Rated[8] **10SP15**=1000 lumen 15° IC Rated **10WW**=1000 lumen wall wash Non-IC Rated[8] **0510NFL25**=500 and 1000 lumen 25° IC Rated **0510FL40**=500 and 1000 lumen 40° IC Rated **0510WFL55**=500 and 1000 lumen 55° IC Rated **15SP15**=1500 lumen 15° Non IC Rated **15NFL25**=1500 lumen 25° Non IC Rated **15FL40**=1500 lumen 40° Non IC Rated **15WFL55**=1500 lumen 55° Non IC Rated **15WW**=1500 lumen wall wash Non IC Rated[8] **20SP15**=2000 lumen 15° Non IC Rated **20NFL25**=2000 lumen 25° Non IC Rated **20FL40**=2000 lumen 40° Non IC Rated **20WFL55**=2000 lumen 55° Non IC Rated	**80**=80 CRI minimum **90**=90 CRI minimum **97**=97 CRI minimum	**80 CRI** **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K **Dim to Warm** **10NFL259030D2W**=1000 lumen 25° IC Rated **15NFL259030D2W**=1500 lumen 25° Non-IC **10FL409030D2W**=1000 lumen 40° IC Rated **15FL409030D2W**=1500 lumen 40° Non-IC **10WFL559030D2W**=1000 lumen 55° IC Rated **15WFL559030D2W**=1500 lumen 55° Non-IC	**90 CRI** **24**=2400K **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**97 CRI** **27**=2700K **30**=3000K

Sample Number: 2LBD1LI

Trim	Reflector	Flange	Finish
2LB=2" LED	**D**=Round downlight spun reflector **SW**=Round lensed Wall Wash, Spun Aluminum, Splay black oculus **SWW**=Round lensed Wall Wash, Spun Aluminum, Splay white oculus **DL**=Round Downlight lensed spun reflector **DC**=Round Cast Downlight[2] **DLC**=Round Lensed cast downlight[2] **PIN**=Round Pinhole downlight black oculus[5] **PINW**=Round Pinhole downlight white oculus[5] **DSQC**=Square Cast Downlight[2] **DSQLC**=Square Lensed cast shallow downlight[2]	**1**=Self-flanged[7] **2**=White Painted Self-flanged[11] **3**=Rimless[3] **Blank**=Pinhole	**LI**=Specular Clear[4] **H**=Semi-Specular Clear[4] **WMH**=Warm Haze[4] **WH**=Wheat[4] **GPH**=Graphite Haze[4] **B**=Specular Black[4] **MW**=Matte White **MB**=Matte Black[3] **MMS**=Matte Metallic Silver[3]

Accessories	
RPR2=Round plaster lathing ring (order with rimless option) **Bar Hangers** **HB26**=Pair C-channel bar hanger, 26" long **RMB22**=Pair wood joist bar hanger 22" long **Connected Lighting Systems** **PORLWTPD1**=LumaWatt Pro wireless sensor kit (0-10V only) field installed[6,10] **TMSWPD1**=WaveLinx tilemount daylight sensor (includes control module, sensor, cable and tile mount) field installed[6,10]	**L100 lenses - optical lenses** **L110N**=Diffuse Sandblasted Lens: Provides an even beam spread - especially useful in wall washing. **L111**=Soft Focus Lens: Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles. **L113**=Prismatic Spread Lens: Provides a symmetrical broadening of lamp beam. Suitable when a wide, uniform light distribution is required. **L115**=Linear Spread Lens: Fans out the beam 55° (27-1/2° to each side) to produce a wide rectangular pattern. **L100MB**=Black finished metal hexagonal-cell louver - controls light spill while retaining lamp optics.

Notes: 1 Nominal Lumens will vary depending on selected distribution, color, driver and reflector finish.
- **2** Only available with Matte White, Matte metallic silver and Matte Black Finishes.
- **3** Available on DL and DLC.
- **4** Not available on DC or PIN.
- **5** Available matte white painted finish only, Flange designation should be blank.
- **6** DMX, D5LT, DE010, Lutron, connected and emergency module drivers require accessible ceiling.
- **7** Flange is the same finish as reflector.
- **8** Order with 2LBSW Wall Wash trim.
- **9** DMX fixtures default to full on upon loss of DMX signal.
- **10** Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
- **11** Not available with Wall Wash.
- **12** Limited to 1000 lumens.
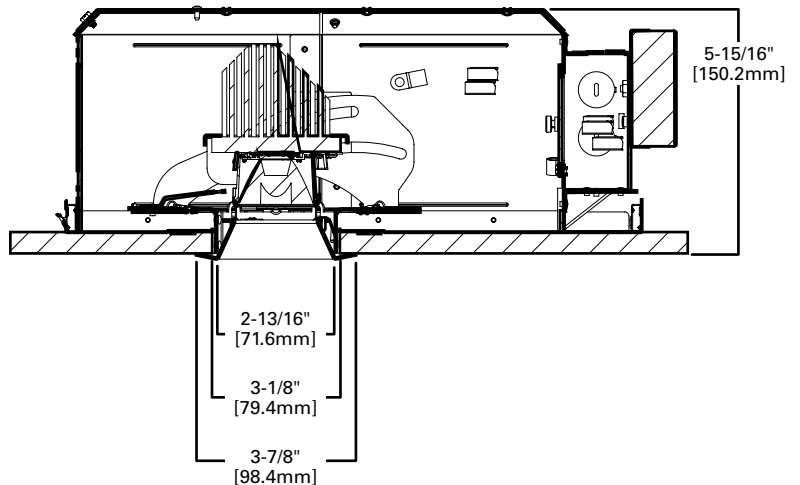- **13** Available with D010 driver only.

2 Inch

LED Adjustable Downlight

Portfolio 2-3/4 inch aperture adjustable accent/slope LED fixture for flat or sloped ceilings. Lockable 365° rotation and tool-less 45° tilt with center beam optics provides full output without flash back. Offered with 15°, 25°, 40°, 55° optic producing a smooth distribution. Available with lumen packages of 500 to 2000 with a choice of 2400K, 2700K, 3000K, 3500K, 4000K and 5000K color temperatures in 80, 90 or 97 CRI. Standard dimmable driver can be dimmed with 0-10V or trailing edge controls. Accessible from above or below the ceiling plane.

New Construction

14-1/4"
[362.6mm]

15-1/16"
[382.1mm]

5-15/16"
[150.2mm]

2-13/16"
[71.6mm]

3-1/8"
[79.4mm]

3-7/8"
[98.4mm]

Features and Benefits

- Delivered lumens ranging from 500 to 2000
- Available in 2400K, 2700K, 3000K, 3500K, 4000K, or 5000K
- 80, 90 or 97 CRI
- Color variation within 3-step MacAdam ellipses
- 15°, 25°, 40°, or 55° optics produce a smooth distribution
- Standard 0-10V 1% dimming driver
- Optional dual dimming driver, 0-10V or trailing edge
- Optional 100%-0% Fifth Light, 0-10V, or DMX dimming drivers

- ENERGY STAR® qualified with select trims and CCT
- Downlights are cULus listed for protected damp locations
- Lensed trims are cULus listed for wet locations
- Photometric testing completed in accordance with IES LM 79 standards
- L70 at 50,000 hours, projected in accordance with IES TM-30
- 5 year warranty

RoHS   c UL us LISTED   D2W™

2400K nominal	2400K
2700K nominal	2725
3000K nominal	3045
3500K nominal	3465
4000K nominal	3985
5000K nominal	5005K

2700K 3000K 3500K 4100K 5000K 6500K

Ordering Information:

Order Housing, Power Module, Trim and Accessories Separately

Sample Number: LDA2B159030D010

Housing	Lumens [1]	Distribution	CRI	Color			Voltage
LDA2B=New Construction Adjustable 2" Nominal Aperture **LDA2BCP**=New Construction Adjustable 2" Nominal Aperture Chicago Plenum[11]	**05**=500 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens	**SP**=15° optic **NFL**=25° optic **FL**=40° optic **WFL**=55° optic **Blank**=no optic (order accessory reflector)	**80**=80 CRI minimum **90**=90 CRI minimum **97**=97 CRI minimum	**80 CRI** **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**90 CRI** **24**=2400K **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K **97 CRI** **27**=2700K **30**=3000K	**Blank**=120-277V
			Dim to Warm **9030D2W**=1000 and 1500 lumen, Dim to warm, 90CRI				

Driver	Options[2, 10]
D010=0-10V Dimming 1%-100%, 120-277V **D010A**=0-10V Dimming 1%-100%, 120-277V for installations with above ceiling access[10] **D010TR**=0-10V 120-277V Dimming 1%-100%, or 120V 5% line voltage dimming **D010ATR**=0-10V 120-277V Dimming 1%-100%, or 120V 5% line voltage dimming for installations with above ceiling access[10] **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V[10] **D5LT**=Fifth Light® (DALI) Logarithmic Dimming, 0% to 100%, 120V-277V[10] **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[10, 6] **DL2**=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only[10] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120V-277V[10] **DLV**=Low voltage dimming driver 1-100% for use with DLVP system[10]	**EMBOD**=Bodine® Emergency Module with Remote Test Switch[10] **EM7**=7W Emergency Module with Remote Test Switch **EM14**=14W Emergency Module with Remote Test Switch (not for use with DLVP driver) **EMV7**=7W Low Voltage Emergency Module with Remote Test Switch (for use with DLVP driver)[8] **EMV14**=14W Low Voltage Emergency Module with Remote Test Switch (for use with DLVP driver)[8] **SWPD1**=Factory installed WaveLinx tilemount daylight sensor (includes control module, sensor, cable, and tile mount)[9] **LWTPD1**=Factory installed LumaWatt Pro wireless sensor kit[9]

Sample Number: 2LBAC3LI

Trim	Reflector	Flange	Finish	
2LB=2" trim	**D**=Spun aluminum **SW**=Spun aluminum splay lensed wall wash with black oculus[7] **SWW**=Spun aluminum splay lensed wall wash with white oculus[7] **DL**=Lensed spun aluminum **DC**=Die cast aluminum[3] **DLC**=Lensed die cast aluminum[3] **PIN**=Pinhole with black oculus[3] **PINW**=Pinhole with white oculus[3]	**1**=Self-flanged **2**=White Painted Self-flanged **3**=Rimless[12] **Blank**=Pinhole	**LI**=Specular Clear[5] **H**=Semi-Specular Clear[5] **WMH**=Warm Haze[5] **WH**=Wheat[5] **WHH**=Wheat Haze[5]	**GPH**=Graphite Haze[5] **B**=Specular Black[5] **MW**=Matte White **MB**=Matte Black[4] **MMS**=Matte Metallic Silver[4]

Accessories		
2RAPR=Round plaster lathing ring (order with rimless option) **Bar Hangers** **HB26**=Pair C-channel bar hanger, 26" long **HB50**=Pair C-channel bar hanger, 50" long **RMB22**=Pair wood joist bar hanger 22" long **Connected Lighting Systems** **PORLWTPD1**=***LumaWatt Enlighted LumaWatt Pro wireless sensor kit **TMSWPD1**=Wavelinx tilemount daylight sensor (includes control module, sensor and cable) **Beam Forming Reflector (required when ordering no optic for distribution)** **2R15SP**=15° **2R25NFL**=25° **2R40FL**=40° **2R55WFL**=55° **EDC2R**=Ceiling extension kit for ceilings 7/8" - 1-1/4"	**L100 lenses - color filters** **L112**=Red Gel Filter **L114**=Ultraviolet, Dichroic Filter **L120**=Red, Dichroic Filter **L121**=Amber, Dichroic Filter **L122**=Yellow, Dichroic Filter **L123**=Green, Dichroic Filter **L124**=Daylight Blue, Dichroic Filter **L125**=Blue, Dichroic Filter **L127**=Cosmetic (2700K), Dichroic Filter **L131**=Amber, Gel Filter	**L100 lenses - optical lenses** **L110N**=Diffuse Sandblasted Lens: Provides an even beam spread from MR16 lamps - especially useful in wall washing. **L111**=Soft Focus Lens: Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles of MR16 lamps. **L113**=Prismatic Spread Lens: Provides a symmetrical broadening of MR16 lamp beams. Suitable when a wide, uniform light distribution is required. **L115**=Linear Spread Lens: Fans out the MR16 beam 55° (27-1/2° to each side) to produce a wide rectangular pattern. **L100MB**=Expanded metal louver: Miniature black finished hexagonal-cell louver - controls light spill while retaining lamp optics.

Notes:
1. Nominal Lumens will vary depending on selected color, driver and reflector finish.
2. Not available with Chicago Plenum.
3. Only available with Matte White, Matte metallic silver and Matte Black Finishes.
4. Available only on DC.
5. Not available on Pinhole or DC distributions.
6. DMX fixtures default to full on upon loss of DMX signal.
7. Housing ships standard at 15° tilt for optimal wall wash position.
8. UL US approved only.
9. Refer to system specifications for additional information, features and benefits. Order either factory installed option or accessory, use with 0-10V driver.
10. Requires above ceiling access.
11. Must be used with lensed reflector.
12. Available on D, DL, DLC and DC.

2 Inch

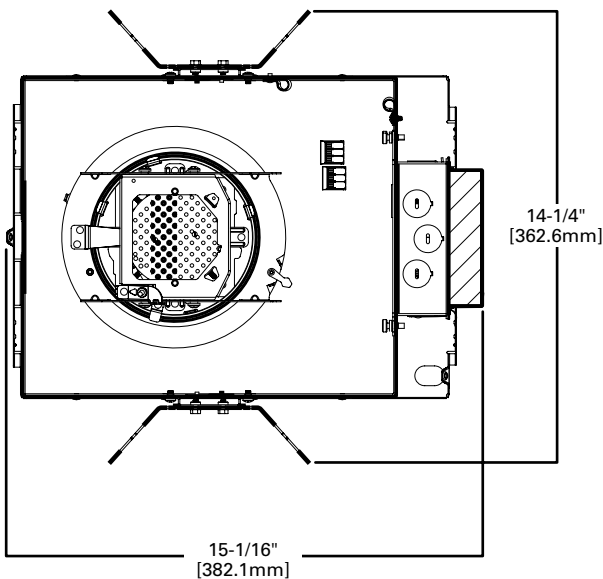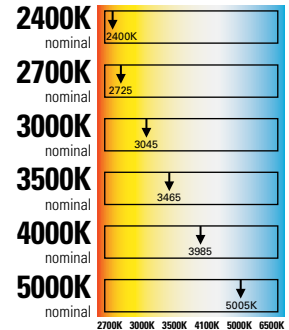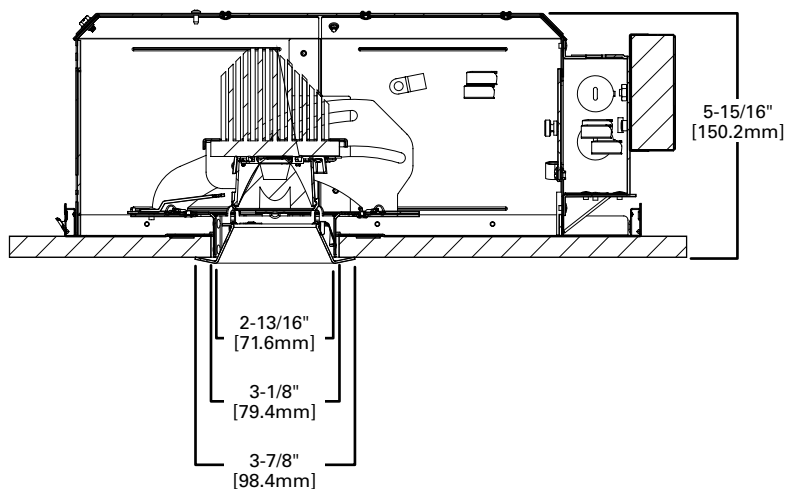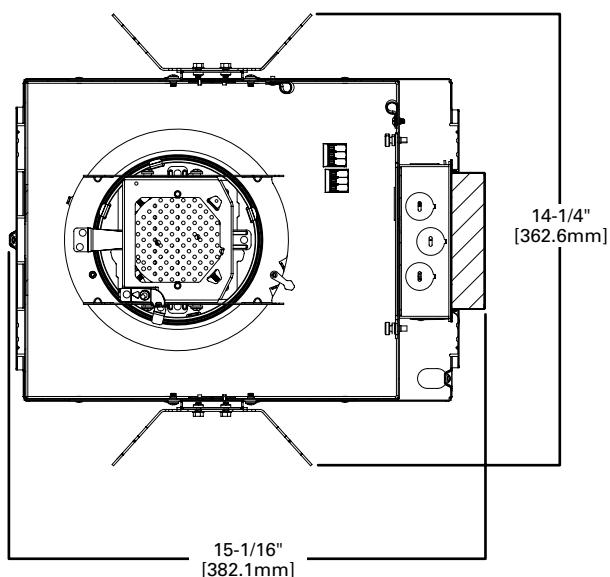## Square Adjustable Downlight

Portfolio 2-3/4 inch square adjustable accent/slope LED fixture for flat or sloped ceilings. Lockable 365° rotation and tool-less 45° tilt with center beam optics provides full output without flash back. Available with 15°, 25°, 40°, 55° optic producing a smooth distribution. Available with lumen packages of 500 to 2000 with a choice of 2400K, 2700K, 3000K, 3500K, 4000K and 5000K color temperatures in 80, 90 or 97 CRI. Standard dimmable driver can be dimmed with 0-10V or trailing edge controls. Accessible from above or below the ceiling plane.
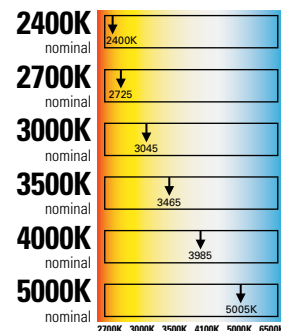

New Construction

14-1/4"
[362.6mm]

15-1/16"
[382.1mm]

5-15/16"
[150.2mm]

2-13/16"
[71.6mm]

3-1/8"
[79.4mm]

3-7/8"
[98.4mm]

Features and Benefits

- Delivered lumens ranging from 500 to 2000
- Available in 2400K, 2700K, 3000K, 3500K, 4000K, or 5000K
- 80, 90 or 97 CRI
- Color variation within 3-step MacAdam ellipses
- 15°, 25°, 40°, or 55° optics produce a smooth distribution
- Wall wash, narrow, medium and wide beam reflectors
- Standard dual dimming driver, 0-10V or trailing edge
- Optional 100%-0% Fifth Light, 0-10V, or DMX dimming drivers

- ENERGY STAR® qualified with select trims and CCT
- Downlights are cULus listed for protected damp locations
- Lensed trims are cULus listed for wet locations
- Photometric testing completed in accordance with IES LM 79 standards
- L70 at 50,000 hours, projected in accordance with IES TM-30
- 5 year warranty

RoHS   c UL us LISTED   D2W™

2400K nominal	2400K
2700K nominal	2725
3000K nominal	3045
3500K nominal	3465
4000K nominal	3985
5000K nominal	5005K

2700K 3000K 3500K 4100K 5000K 6500K

Ordering Information:

Order Housing, Power Module, Trim and Accessories Separately

Sample Number: LDSQA2B159030D010

Housing	Lumens [1]	Distribution	CRI	Color				Voltage
LDSQA2B=New Construction Adjustable 2" Nominal Aperture **LDSQA2BCP**=New Construction Adjustable 2" Nominal Aperture Chicago Plenum[7]	**05**=500 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens	**SP**=15° optic **NFL**=25° optic **FL**=40° optic **WFL**=55° optic **Blank**=no optic (order accessory reflector)	**80**=80 CRI minimum **90**=90 CRI minimum **97**=97 CRI minimum	**80 CRI** **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**90 CRI** **24**=2400K **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**97 CRI** **27**=2700K **30**=3000K		**Blank**=120-277V
				Dim to Warm **9030D2W**=1000 and 1500 lumen, Dim to warm, 90CRI				

Driver [7]	Options [2, 6]
D010=0-10V Dimming 1%-100%, 120-277V **D010A**=0-10V Dimming 1%-100%, 120-277V for installations with above ceiling access[5] **D010TR**=0-10V 120-277V Dimming 1%-100%, or 120V 5% line voltage dimming **D010ATR**=0-10V 120-277V Dimming 1%-100%, or 120V 5% line voltage dimming for installations with above ceiling access[5] **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V[5] **D5LT**=Fifth Light® (DALI) Dimming, 0% to 100%, 120V-277V[5] **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[3, 5] **DL2**=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only[5] **DLE**=Lutron Ecosystem dimming 1% to 100%, 120V-277V[5] **DLV**=Low voltage dimming driver 1-100% for use with DLVP system[5]	**EMBOD**=Bodine® Emergency Module with Remote Test Switch **EM7**=7W Emergency Module with Remote Test Switch **EM14**=14W Emergency Module with Remote Test Switch (not for use with DLVP driver) **EMV7**=7W Low Voltage Emergency Module with Remote Test Switch (for use with DLVP driver)[8] **EMV14**=14W Low Voltage Emergency Module with Remote Test Switch (for use with DLVP driver)[8] **SWPD1**=Factory installed WaveLinx tilemount daylight sensor (includes control module, sensor, cable, and tile mount)[4] **LWTPD1**=Factory installed LumaWatt Pro wireless sensor kit[4]

Sample Number: 2LBAC3LI

Trim	Reflector	Flange	Finish	
2LB=2" trim	**ASQC**=Square angle cut cast aluminum **ALSQC**=Square lensed cast aluminum **ASWSQC**=Square lensed wall wash cast aluminum **APINSQ**=Square adjustable Pinhole **ALPINSQ**=Square adjustable lensed Pinhole	**1**=Self-flanged **2**=White Painted Self-flanged **3**=Rimless **Blank**=Pinhole	**MW**=Matte White **MB**=Matte Black **MMS**=Matte Metallic Silver	

Accessories		
2SQAPR=Square plaster lathing ring (order with rimless option) **Bar Hangers** **HB26**=Pair C-channel bar hanger, 26" long **HB50**=Pair C-channel bar hanger, 50" long **RMB22**=Pair wood joist bar hanger 22" long **Connected Lighting Systems** **PORLWTPD1**=***LumaWatt Enlighted LumaWatt Pro wireless sensor kit **TMSWPD1**=Wavelinx tilemount daylight sensor (includes control module, sensor and cable) **Beam Forming Reflector (required when ordering no optic for distribution)** **2R15SP**=15° **2R25NFL**=25° **2R40FL**=40° **2R55WFL**=55° **EDC2SQ**=Ceiling extension kit for ceilings 7/8" - 1-1/4"	**L100 lenses - color filters** **L112**=Red Gel Filter **L114**=Ultraviolet, Dichroic Filter **L120**=Red, Dichroic Filter **L121**=Amber, Dichroic Filter **L122**=Yellow, Dichroic Filter **L123**=Green, Dichroic Filter **L124**=Daylight Blue, Dichroic Filter **L125**=Blue, Dichroic Filter **L127**=Cosmetic (2700K), Dichroic Filter **L131**=Amber, Gel Filter	**L100 lenses - optical lenses** **L110N**=Diffuse Sandblasted Lens: Provides an even beam spread from MR16 lamps - especially useful in wall washing. **L111**=Soft Focus Lens: Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles of MR16 lamps. **L113**=Prismatic Spread Lens: Provides a symmetrical broadening of MR16 lamp beams. Suitable when a wide, uniform light distribution is required. **L115**=Linear Spread Lens: Fans out the MR16 beam 55° (27-1/2° to each side) to produce a wide rectangular pattern. **L100MB**=Expanded metal louver: Miniature black finished hexagonal-cell louver - controls light spill while retaining lamp optics.

Notes: **1** Nominal Lumens will vary depending on selected color, driver and reflector finish.
    2 Not available with Chicago Plenum.
    3 DMX fixtures default to full on upon loss of DMX signal.
    4 Refer to system specifications for additional information, features and benefits. Order either factory installed option or accessory, use with 0-10V driver.

    5 Requires above ceiling access.
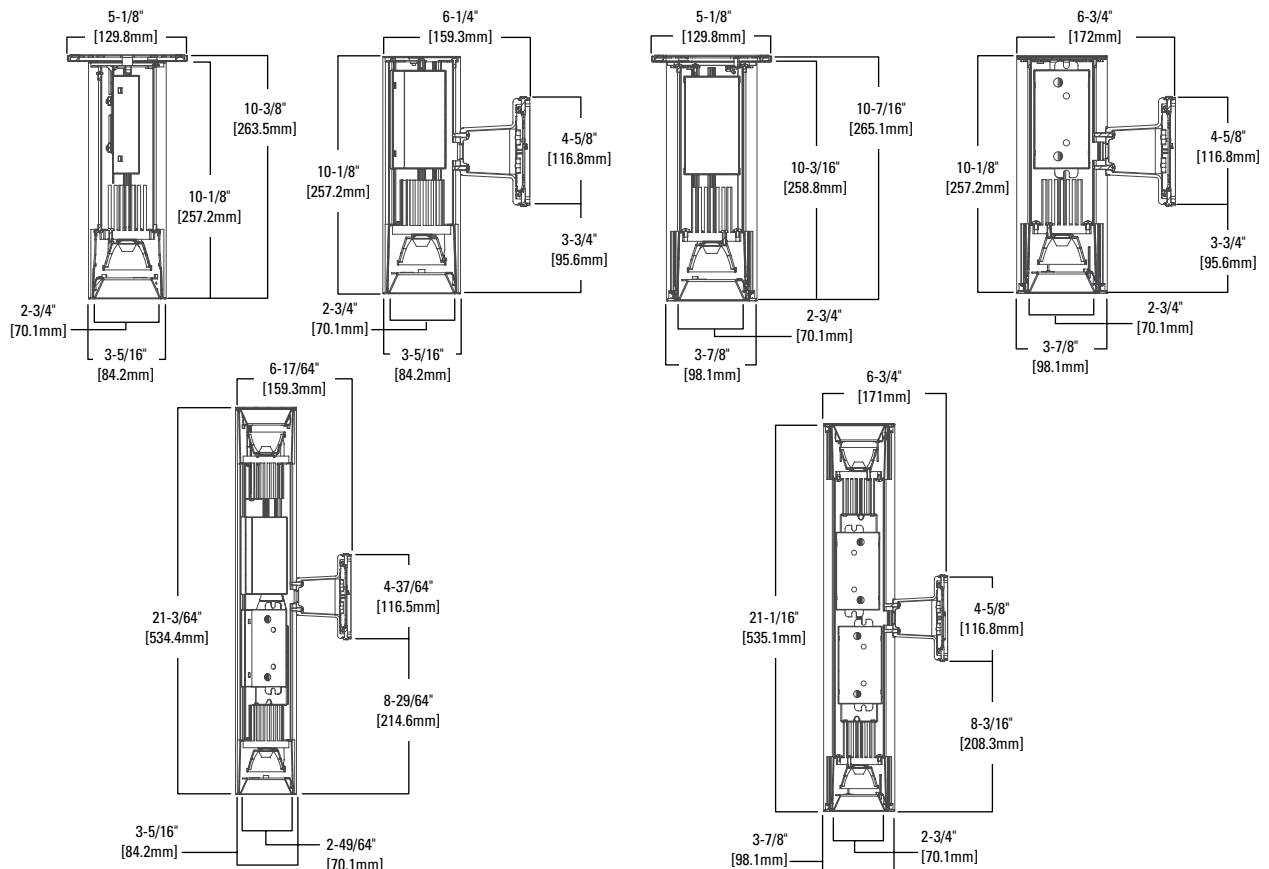   **6** Housing ships standard at 15° tilt for optimal wall wash position.
    7 Must be used with lensed reflector.
    8 UL/US approved only.

2 Inch

LED Cylinders

Portfolio 2-inch LED cylinders are designed to compliment any space. Offered in wall mount or ceiling mount with optional pendant kits in a variety of finishes. Diffused optical system provides superior light control and low aperture brightness while delivering over 80 lm/W. The cylinder is available in lumen packages ranging from 500 to 2000 lumens with a choice of 2400K, 2700K, 3000K, 3500K, 4000K and 5000K color temperatures in 80, 90 or 97 CRI. Available with 0-10V or trailing edge driver, ideal for replacing existing incandescent cylinders with energy saving LED.

Diagram 1:
- 5-1/8" [129.8mm]
- 10-3/8" [263.5mm]
- 10-1/8" [257.2mm]
- 2-3/4" [70.1mm]
- 3-5/16" [84.2mm]

Diagram 2:
- 6-1/4" [159.3mm]
- 10-1/8" [257.2mm]
- 4-5/8" [116.8mm]
- 3-3/4" [95.6mm]
- 2-3/4" [70.1mm]
- 3-5/16" [84.2mm]

Diagram 3:
- 5-1/8" [129.8mm]
- 10-7/16" [265.1mm]
- 10-3/16" [258.8mm]
- 2-3/4" [70.1mm]
- 3-7/8" [98.1mm]

Diagram 4:
- 6-3/4" [172mm]
- 10-1/8" [257.2mm]
- 4-5/8" [116.8mm]
- 3-3/4" [95.6mm]
- 2-3/4" [70.1mm]
- 3-7/8" [98.1mm]

Diagram 5:
- 6-17/64" [159.3mm]
- 21-3/64" [534.4mm]
- 4-37/64" [116.5mm]
- 8-29/64" [214.6mm]
- 3-5/16" [84.2mm]
- 2-49/64" [70.1mm]

Diagram 6:
- 6-3/4" [171mm]
- 21-1/16" [535.1mm]
- 4-5/8" [116.8mm]
- 8-3/16" [208.3mm]
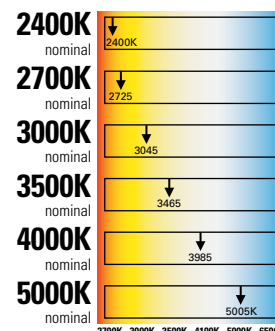- 3-7/8" [98.1mm]
- 2-3/4" [70.1mm]

Features and Benefits

- Delivered lumens ranging from 500 to 2000
- Available in 2400K, 2700K, 3000K, 3500K, 4000K, or 5000K
- 80, 90 or 97 CRI
- Color variation within 3-step MacAdam ellipses
- 15°, 25°, 40°, or 55° optics produce a smooth distribution
- Standard 0-10V 1% dimming driver

- Optional dual dimming driver, 0-10V or trailing edge
- ENERGY STAR® qualified with select trims and CCT
- Photometric testing completed in accordance with IES LM 79 standards
- L70 at 50,000 hours, projected in accordance with IES TM-30
- 5 year warranty

ENERGY STAR   RoHS   c(UL)us LISTED   D2W™

Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

Ordering Information:

Order Housing, Power Module, Trim and Accessories Separately

Sample Number: LSR2B05SP158030D010P

Housing	Lumens[1]	Distribution[1]	CRI	Color		
Round **LSR2B** = LED 2" Aperture, Round Surface Mount **LSRWM2B** = LED 2" Aperture, Round Surface Wall Mount **LSRUD2B** = LED 2" Aperture, Surface Wall Mount Up/Down (requires 2 trims) **Square** **LSSQ2B** = LED 2" Round Aperture, Square Surface Mount (uses round trim) **LSSQWM2B** = LED 2" Round Aperture, Square Surface Wall Mount (uses round trim) **LSSQUD2B** = LED 2" Round Aperture, Square Surface Wall Mount Up/Down (requires 2 trims)	**5**=500 lumens **10**=1000 lumens **15**=1500 lumens **20**=2000 lumens	**SP15**=15° **NFL25**=25° **FL40**=40° **WFL55**=55°	**80**=80 CRI minimum **90**=90 CRI minimum **97**=97 CRI minimum	**80 CRI** **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**90 CRI** **24**=2400K **27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K	**97 CRI** **27**=2700K **30**=3000K
				9030D2W=1800-3000K Dim 2 Warm,1000 and 1500 lumen[5]		

Driver	Cylinder Finish
D010=0-10V Dimming,1% to 100%, 120V-277V **D010TR**=0-10V or Line Voltage Dimming, 1% to 100%, 120V-277V	**P**=Matte White **MB**=Matte Black **SL**=Silver paint **BZ**=Bronze

Sample Number: 2LBD3LI

Trim	Reflector	Flange	Finish
2LB=2" LED	**D**=Round spun downlight **DL**=Round Downlight lensed spun reflector **DC**=Round Cast Shallow Downlight[2] **LCD**=Round Lensed cast shallow downlight[2]	**3**=Rimless	**LI**=Specular Clear[3] **H**=Semi-Specular Clear[3] **WMH**=Warm Haze[3] **WH**=Wheat[3] **GPH**=Graphite Haze[3] **B**=Specular Black[3] **MW**=Matte White **MB**=Matte Black[6] **MMS**=Matte Metallic Silver[6]

Accessories

Pendant Kit	Type	Length
Round **P236P**=White pendant stem kit for round suspended mount cylinder **P236BZ**=Bronze pendant stem kit for round suspended mount cylinder **P236MB**=Matte black pendant stem kit for round suspended mount cylinder **P236SL**=Silver pendant stem kit for round suspended mount cylinder **Square** **PSQ236P**=White stem kit for square cylinder **PSQ236BZ**=Bronze stem kit for square cylinder **PSQ236MB**=Matte black stem kit for square cylinder **PSQ236SL**=Silver stem kit for square cylinder	**Blank**=5 conductor for use with 0-10V driver	**Blank**=36" **SP***=* specify 6 to 144 in 1" increments

Canopies for surface Ceiling Mount
2SQCPSMLP = White low profile canopy for square surface mount 2-inch junction box
2SQCPSMLMB = Black low profile canopy for square surface mount 2-inch junction box
2RCPSMLP = White Low profile canopy for round surface mount 2-inch junction box
2RCPSMLMB = Matte Black low profile canopy for round surface mount 2-inch junction box
2SQCPSTANP = White low profile canopy for square surface mount standard junction box
2SQCPSTANMB = Matte black low profile canopy for square surface mount standard junction box
2RCPSTANP = White low profile canopy for round surface mount standard junction box
2RCPSTANMB = Matte black low profile canopy for round surface mount standard junction box

L100 lenses - optical lenses
L110N=Diffuse Sandblasted Lens: Provides an even beam spread - especially useful in wall washing.
L111=Soft Focus Lens: Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles.
L113=Prismatic Spread Lens: Provides a symmetrical broadening of lamp beam. Suitable when a wide, uniform light distribution is required.
L115=Linear Spread Lens: Fans out the beam 55° (27-1/2° to each side) to produce a wide rectangular pattern.
L100MB=Black finished metal hexagonal-cell louver - controls light spill while retaining lamp optics.

Notes:
1. Nominal Lumens will vary depending on selected color, driver and reflector finish.
2. Only available with Matte White, Matte metallic silver and Matte Black Finishes.
3. Not available on DC (die cast) distributions.
4. Offered up to 1000 lumens.
5. Offered in 25°, 40°, 55° distribution
6. For die cast reflectors only.

Lighting Product Lines

Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
HALO
HALO Commercial
Invue
io
IRiS
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines

Fifth Light Technology
Greengate
iLight (International Only)
iLumin
Zero 88

Connected Lighting Systems

Distributed Low-Voltage Power
HALO Home
iLumin Plus
LumaWatt Pro
WaveLinx

portfolio-lighting.com

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Lighting Solutions