

# ENTRA™ 3" CYLINDER

## FIXED CYLINDER

The ENTRA 3" Fixed Cylinder provides a cost-effective option with a modern aesthetic for residential, hospitality, and commercial applications. ENTRA 3" Fixed Cylinders are a great solution for illumination in exposed ceiling applications. Mounting options include flush mount, surface mount, conduit mount, pendant mount, and cord mount with interchangeable optics. LED is recessed in the cylinder minimizing glare with warm dimming and static white options. Available in Black, Brushed Aluminum, and White (field paintable).



SHOWN IN WHITE

- Interchangeable optics: 18°, 25°, 40°, and 60°
- 1-step for static white 2700K, 3000K, and 3500K; and 2-step for all other configurations
- Several lens and louver options, including Solite Soft Focus

### LUMEN/CBCP MULTIPLIERS

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2200K	—	0.48
2400K	—	0.66
2700K	—	0.75
3000K	—	0.80
3500K	1.00	—

Lumen output will vary by CCT and CRI. See photometric charts for output information.

### SPECIFICATIONS

WATTAGE	STATIC WHITE		WARM DIM	
	Lumens	Efficacy	Lumens	Efficacy
12W	1400	116	1000	75
15W	1800	120	1300	70
19W	2250	118	1600	68
27W	2900	107	2400	65
<b>CRI</b>	80+, 90+		90+	
<b>CCT</b>	2200K, 2400K, 2700K, 3000K, or 3500K		3000K-1800K	
<b>CBCP</b>	18° - 8,192   25° - 6,907   40° - 4,517   60° - 3,209			
<b>COLOR CONSISTENCY</b>	1-step (2-step for 2200K, 2400K)		2-step	
<b>VOLTAGE</b>	120V or 277V			
<b>DIMMING<sup>1</sup></b>	Standard reverse-phase, forward-phase, TRIAC, and 0-10V dimming down to 1% for 12W and 15W, and 5% for 19W and 27W eldoLED 0-10V or DALI-2 down to 0.1% Lutron Hi-lume EcoSystem down to 0.1%			
<b>POWER SUPPLY</b>	Constant current driver with +0.9 power factor and +80% efficiency			
<b>BEAM SPREAD</b>	Interchangeable optics: 18°, 25°, 40°, or 60°			
<b>CEILING APPEARANCE</b>	Flush Mount, Surface Mount (Canopy), Pendant Mount (Canopy), Conduit Mount (J-Box), or Cord Mount (Canopy)			
<b>CONSTRUCTION</b>	Cylinder: Aluminum			
<b>FINISH</b>	Reflector: White, Black, or Brushed Aluminum Cylinder: White, Black, or Brushed Aluminum			
<b>GENERAL LISTINGS</b>	ETL Listed. Damp Location.			
<b>CALIFORNIA TITLE 24</b>	Registered CEC appliance database. Complies with CEC 2019 Title 24 Part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).			
<b>L70</b>	50,000 hours min			
<b>WARRANTY<sup>2</sup></b>	5 years			

Data in chart reflects 3500K/80 CRI values, unless otherwise noted.

Ordering grids available on page 2.

<sup>1</sup>See visualcomfort.com for dimmer compatibility.

<sup>2</sup>Visit visualcomfort.com for specific warranty limitations and details.

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### ORDERING GRIDS

#### CYLINDER

PRODUCT	MOUNTING	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	DRIVERS	REFLECTOR FINISH	CYLINDER FINISH
<b>ENCY3R</b> ENTRA CYLINDERS 3" ROUND	<b>F</b> FLUSH MOUNT 1	<b>-L12</b> 12W (1400 LMS)	<b>835</b> 80 CRI, 3500K, 1-STEP	<b>1</b> 18°	<b>D</b> DOWNLIGHT	<b>INTEGRATED DRIVERS 120V/277V</b> <b>-UNV</b> UNIVERSAL PHASE/0-10V 1%/5% <sup>5</sup>	<b>-B</b> BLACK <b>-W</b> WHITE <b>-A</b> BRUSHED ALUMINUM	<b>B</b> BLACK <b>W</b> WHITE <b>A</b> BRUSHED ALUMINUM
	<b>S</b> SURFACE MOUNT (CANOPY)	<b>-L15</b> 15W (1800 LMS)	<b>922</b> 90 CRI, 2200K, 2-STEP	<b>2</b> 25°				
	<b>C</b> CONDUIT MOUNT (J-BOX) <sup>2</sup>	<b>-L19</b> 19W (2250 LMS)	<b>924</b> 90 CRI, 2400K, 2-STEP	<b>4</b> 40°				
	<b>P</b> PENDANT MOUNT (CANOPY) <sup>3</sup>	<b>-L27</b> 27W (2900 LMS)	<b>927</b> 90 CRI, 2700K, 1-STEP	<b>6</b> 60°				
	<b>D</b> CORD MOUNT (CANOPY) <sup>4</sup>		<b>930</b> 90 CRI, 3000K, 1-STEP <b>9WD</b> 90 CRI, WARM DIM, 3000K-1800K, 2-STEP					
<b>ENCY3R</b>	-				<b>D</b>	-		

For dimming details, refer to dimmer compatibility chart.

Standard cylinder reflectors do not accommodate any lens accessories. To use with lens accessories (max. 2), order the ENCY3LK Lens/Louver Kit.

<sup>1</sup>F - Flush Mount includes adapter plate to assemble to standard 4" square or octagonal junction box prior to ceiling install.

<sup>2</sup>C - Conduit Mount includes custom junction box assembled at/below the ceiling.

<sup>3</sup>P - Pendant Mount for use with ECPS Cylinders pendant stems.

<sup>4</sup>D - Cord Mount includes 6 ft. of cord. Black cord used with Black and Brushed Aluminum Cylinders; White cord used with White Cylinders.

<sup>5</sup>UNV - Universal dimming is reverse-phase, forward-phase, TRIAC, and 0-10V. 277V is only compatible with 0-10V dimming. Dims down to 1% for 12W and 15W outputs, and 5% for 19W and 27W outputs.

<sup>6</sup>Remote drivers ship in 4" x 8" x 1.8" black enclosure for remote location mounting.

#### REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
<b>353E4LEDCOPT</b>	<b>18</b> 18°
	<b>25</b> 25°
	<b>40</b> 40°
	<b>60</b> 60°

#### 353E4LEDCOPT

#### REFLECTOR OPTIC TOOL

PRODUCT <sup>1</sup>	
<b>ENCY3TR</b>	ENTRA CYLINDERS 3" REFLECTOR TOOL

#### ENCY3TR

<sup>1</sup>It is highly recommended to order a reflector optic tool when purchasing lens/louvers kits as this will make removal of the existing reflector significantly easier.

#### LENS/LOUVER KIT

PRODUCT <sup>1</sup>	TYPE	REFLECTOR FINISH
<b>ENCY3LK</b>	<b>SB</b> SANDBLASTED LENS	<b>-B</b> BLACK
	<b>SF</b> SOLITE SOFT FOCUS LENS	<b>-W</b> WHITE
	<b>LL</b> LINEAR SPREAD LENS	<b>-A</b> BRUSHED ALUMINUM
	<b>EC</b> EGGCRATE LOUVER	

#### ENCY3LK

<sup>1</sup>Required for use with lenses or louvers for Cylinders. Lens/louver kits include a reflector and 1 lens. To add additional lenses (max. 2), see accessories page. It is highly recommended to order a reflector optic tool when purchasing lens/louvers kits as this will make removal of the existing reflector significantly easier.

#### PENDANT STEMS

PRODUCT <sup>1</sup>	LENGTH <sup>2</sup>	FINISH
<b>ECPS</b>	<b>12</b> 12"	<b>B</b> BLACK
	<b>24</b> 24"	<b>W</b> WHITE
	<b>36</b> 36"	<b>A</b> BRUSHED ALUMINUM
	<b>48</b> 48"	
	<b>60</b> 60"	
	<b>72</b> 72"	

#### ECPS

<sup>1</sup>Required for Pendant Mount only.

<sup>2</sup>Consult Quotes Department for custom lengths to the inch.

#### VAULTED CEILING ADAPTER

PRODUCT	FINISH
<b>ECVA</b> PENDANT MOUNT <sup>1</sup>	<b>B</b> BLACK
<b>ECVAD</b> SURFACE MOUNT <sup>2</sup>	<b>W</b> WHITE <b>A</b> BRUSHED ALUMINUM

<sup>1</sup>For use with Pendant Mount. Adds 1.7" to the overall length of the stem. Accommodates slopes up to 45 degrees.

<sup>2</sup>For use with Surface Mount. Accommodates slopes up to 45 degrees.



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### CYLINDERS

#### FLUSH MOUNT



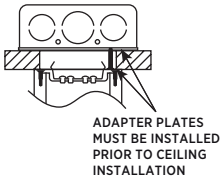
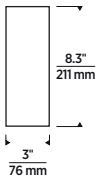
WHITE



BRUSHED ALUMINUM



BLACK



#### CONDUIT MOUNT (J-BOX)



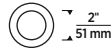
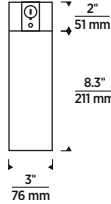
WHITE



BRUSHED ALUMINUM



BLACK



#### SURFACE MOUNT (CANOPY)



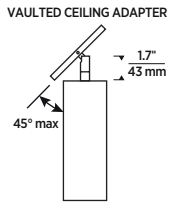
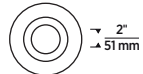
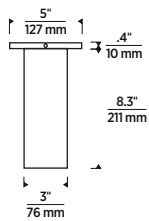
WHITE



BRUSHED ALUMINUM



BLACK



#### PENDANT MOUNT (CANOPY)



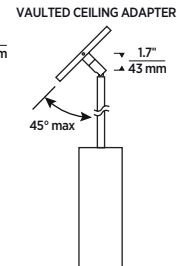
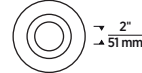
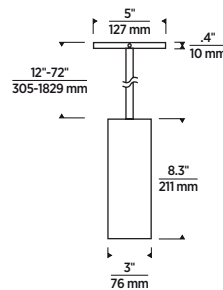
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BRUSHED ALUMINUM



BLACK

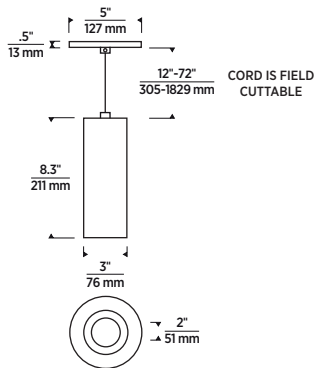


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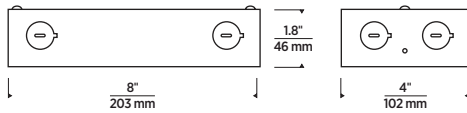
## FIXED CYLINDER

CYLINDERS, CONT.

### CORD MOUNT (CANOPY)



### REMOTE DRIVER J-BOX



# ENTRA™ 3" CYLINDER

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### PHOTOMETRICS

Description: 3" Cylinder Fixed  
18° Beam  
90 CRI, 3000K

Input Power (Watts): 32.9  
Input Power Factor: 0.99  
Absolute Luminous Flux (Lumens): 2494  
Lumen Efficacy (Lumens per Watt): 76

Output difference between CCTs - 5%, CRIs - 15%.

Description: 3" Cylinder Fixed  
25° Beam  
90 CRI, 3000K

Input Power (Watts): 32.7  
Input Power Factor: 0.98  
Absolute Luminous Flux (Lumens): 2456  
Lumen Efficacy (Lumens per Watt): 75

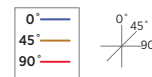
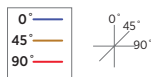
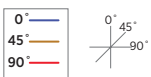
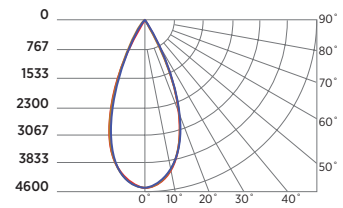
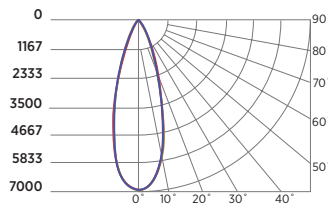
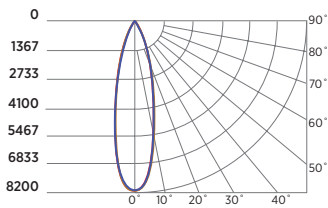
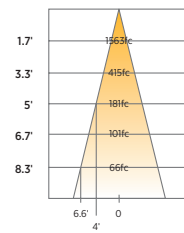
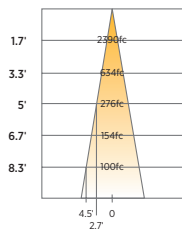
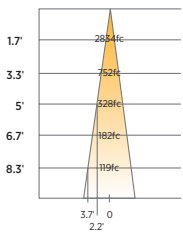
Description: 3" Cylinder Fixed  
40° Beam  
90 CRI, 3000K

Input Power (Watts): 32.8  
Input Power Factor: 0.98  
Absolute Luminous Flux (Lumens): 2584  
Lumen Efficacy (Lumens per Watt): 79

ANGLE	0°	45°	90°
0°	8192	8192	8192
5°	7438	7514	7532
10°	5277	5300	5297
15°	3190	3214	3209
20°	1898	1908	1900
25°	1066	1077	1064
30°	610	626	608
35°	319	386	325
40°	161	249	162
45°	94	145	94
50°	62	77	63
55°	37	49	37
60°	25	30	25
65°	12	16	13
70°	1	7	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	6907	6907	6907
5°	6578	6568	6565
10°	5455	5476	5467
15°	3575	3584	3595
20°	1856	1910	1947
25°	997	1040	1057
30°	623	654	660
35°	330	433	358
40°	153	276	165
45°	88	149	96
50°	57	73	61
55°	32	44	35
60°	19	25	21
65°	8	12	9
70°	0	4	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	4517	4517	4517
5°	4385	4393	4402
10°	4053	4071	4076
15°	3498	3518	3534
20°	2595	2648	2698
25°	1635	1620	1598
30°	860	850	804
35°	374	429	396
40°	179	224	190
45°	101	123	107
50°	60	75	64
55°	31	47	32
60°	19	26	20
65°	7	12	8
70°	1	3	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



# ENTRA™ 3" CYLINDER

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### PHOTOMETRICS

Description: 3" Cylinder Fixed  
60° Beam  
90 CRI, 3000K

Input Power (Watts): 30.0

Input Power Factor: 0.98

Absolute Luminous Flux (Lumens): 2616

Lumen Efficacy (Lumens per Watt): 87

Output difference between CCTs - 5%, CRIs - 15%.

ANGLE	0°	45°	90°
0°	3092	3092	3092
5°	3042	3037	3025
10°	2858	2880	2860
15°	2583	2630	2606
20°	2221	2266	2196
25°	1693	1686	1603
30°	1188	1148	1114
35°	805	764	719
40°	495	463	423
45°	284	265	230
50°	152	142	125
55°	82	74	60
60°	42	38	34
65°	31	29	25
70°	24	22	18
75°	18	16	13
80°	12	11	9
85°	7	7	4
90°	5	4	3

