

# CYLINDER 3 LVS FIXED SURFACE MOUNT

PROJECT NAME:

TYPE:

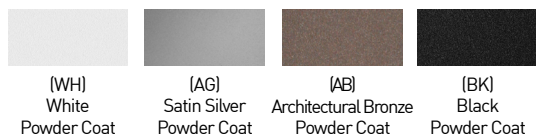


Highlight art, objects, places, spaces, seating areas, and architectural details with a classic profile that offers easy-to-adjust, in-field versatility.

## ORDERING INFORMATION - CYLINDER

Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.

CYLINDER	FIXTURE	RATING	CYLINDER FINISH	BAFFLE FINISH	LUMEN PACKAGE	CCT	OPTIC	DRIVER	EFFECTS DEVICE	MOUNTING
<b>CY3</b>		<b>1</b>						<b>LVS</b>		
CY3 3.25"	FB Fixed Body WW Wallwash Unibody	1 Dry/Damp	WH White	WH White	<b>LOW FLUX STATIC WHITE</b> <b>80C19A</b> 80+ CRI FB Dlv. Lumens - 1127 WW Dlv. Lumens - 1280 <b>80C25A</b> 80+ CRI FB Dlv. Lumens - 1502 WW Dlv. Lumens - 1699 <b>90C15A</b> 90+ CRI FB Dlv. Lumens - 905 WW Dlv. Lumens - 1096 <b>90C20A</b> 90+ CRI FB Dlv. Lumens - 1287 WW Dlv. Lumens - 1456 <b>97C14A</b> 97+ CRI FB Dlv. Lumens - 863 WW Dlv. Lumens - 980 <b>97C19A</b> 97+ CRI FB Dlv. Lumens - 1151 WW Dlv. Lumens - 1317	22 2200K* *Only available for 90+ CRI	10 10°*	LVS Low Voltage System	<b>STANDARD EFFECTS DEVICE</b> 4 Soft Focus Lens N No Lens* *(Standard for 10" optic. Not available for Warm Dim) W Wallwash Lens* *(Required and only available for WW fixture)	<b>ROUGH-IN</b> JBMP 4" Sq. or 4/0 Junction Box Mounting Plate <b>FINISH OUT</b> SMK3 3/0 Surface Mount Kit SMK4 4/0 Surface Mount Kit CMJB 1/2" and 3/4" Conduit Ceiling Mount Junction Box* *(Not available for Wet location. Quick Ship Product for WH and BK finishes only)
			AG Satin Silver* *(Increased lead time)	AG Satin Silver* *(Increased lead time)		27 2700K	15 15°			
			AB Architectural Bronze* *(Increased lead time)	AB Architectural Bronze* *(Increased lead time)		30 3000K	25 25°			
			BK Black	BK Black		35 3500K	40 40°			
			CF Custom Finish* *(Consult Factory)	CF Custom Finish* *(Consult Factory)		40 4000K	60 60°			
					<b>HIGH FLUX STATIC WHITE</b> <b>80C32A</b> 80+ CRI FB Dlv. Lumens - 1961 WW Dlv. Lumens - 2218 <b>90C27A</b> 90+ CRI FB Dlv. Lumens - 1680 WW Dlv. Lumens - 1834 <b>97C24A</b> 97+ CRI FB Dlv. Lumens - 1503 WW Dlv. Lumens - 1706	27 2700K	15 15°		2 Honeycomb Louver* *(Not available for Warm Dim)	
					<b>WARM DIM</b> <b>90W11A</b> 90+ CRI, Incandescent Profile FB Dlv. Lumens - 941 WW Dlv. Lumens - 813 <b>90W12A</b> 90+ CRI, Standard Profile FB Dlv. Lumens - 991 WW Dlv. Lumens - 1013 *SEE PAGE 3 FOR DETAILED WARM DIM PROFILE COMPARISON.  *ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K PAIRED WITH 60° / WW OPTIC AND STANDARD EFFECTS DEVICE.	WL 2700K-1800K	25 25° 40 40° 60 60°		3 Clear Glass Lens* *(Not available for Warm Dim) 5 Frosted Glass Lens 6 Frosted Soft Focus Lens 7 Frosted Linear Spread Lens S Soft Focus Lens w/ Linear Spread Film C Clear Glass Lens w/ Linear Spread Film	
						WD 3000K-1800K	WW Wallwash* *(Required and only available for WW fixture)			



## PART NUMBER NOTES




- Fixed Body ships as e.g., CY3-FB1-WHBK-90C15A2-30LVS40
- Wallwash ships as e.g., CY3-WW1-WHBK-90C20A2-W0LVSW0
- Mounting ships separate from fixture, part numbers listed on page 6.

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## APPLICATION NOTES

- Lucifer Lighting will not supply a fixture with a POE node or power supply inside the fixture. This allows for easier site install with nodes of 2 or more outputs.
- Consult node manufacturer for maximum remote wiring distances.
- Fixture features 18 Gauge wiring.
- Wiring connections are made on the fixture using customer supplied connectors, ex. wire nuts, push-in connectors, or terminal blocks.
- Confirm node compatibility with factory if it is not listed.
- Customers are responsible for ensuring POE node drive current is set to correct values shown below.
- Customers must ensure voltage range of the proposed POE node encompasses the fixtures complete Vf range, both maximum and minimum. If assistance is required contact LLC rep or factory.

## NODE COMPATIBILITY

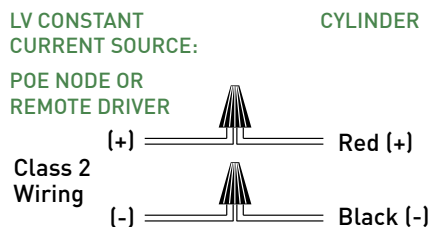
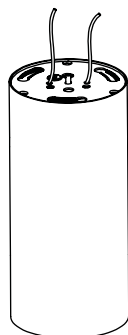
Manufacturer	Model Number
 Igor Enabling Smart Buildings™	NP50-60-C-F-5
 molex	180996-1001 180996-1002 180996-2001 180996-2002
 PLATFORMATICS	1 Channel Node, POE-LN2-1U-E 2 Channel Node, POE-LN2-2U-E 4 Channel Node, POE-LN2-4U-E

## DRIVE CURRENT SPECIFICS

	80C			90C			97C			90W	
	19A	25A	32A	15A	20A	27A	14A	19A	24A	11A	12A
Minimum Vf	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
Maximum Vf	39	39	39	39	39	39	39	39	39	39	39
Current mA	400	550	750	400	550	750	400	550	750	400	400
Wattage W	13.6	19.4	27.4	13.6	19.4	27.4	13.6	19.4	27.4	13.6	13.6

	10 DEGREE OPTIC		
	80C19A	90C15A	97C14A
Minimum Vf	30.5	30.5	30.5
Maximum Vf	39	39	39
Current mA	400	400	400
Wattage W	13.6	13.6	13.6

## WIRING DIAGRAM



# CYLINDER 3 LVS FIXED SURFACE MOUNT

## ACCESSORIES

### FIXED BODY ALTERNATE BAFFLE AND EFFECTS DEVICE

Includes baffle with sealed lens. Must specify baffle finish.

**RBA-CY3-\*\*-HCL** Honeycomb Louver \*

\*(Not available for Warm Dim)

**RBA-CY3-\*\*-CGL** Clear Glass Lens \*

\*(Not available for Warm Dim)

**RBA-CY3-\*\*-SFL** Soft Focus Lens

**RBA-CY3-\*\*-FGL** Frosted Glass Lens

**RBA-CY3-\*\*-FSFL** Frosted Soft Focus Lens

**RBA-CY3-\*\*-FLSL** Frosted Linear Spread Lens

**RBA-CY3-\*\*-SFL-LSL** Soft Focus Lens W/ Linear Spread Film

**RBA-CY3-\*\*-CGL-LSL** Clear Glass Lens W/ Linear Spread Film

\*\* Baffle finish: Specify **WH** for white, **BK** for black, **AG** for satin silver or **AB** for architectural bronze.

### LOW FLUX AND WARM DIM REPLACEMENT OPTICS

Interchangeable optics accessible by removing snoot or baffle. Not available for Wallwash fixtures.

**RO-70-15-1** 15° optic \*

\*(Not available for Warm Dim)

**RO-70-25-1** 25° optic

**RO-70-40-1** 40° optic

**RO-70-60-1** 60° optic

### HIGH FLUX REPLACEMENT OPTICS

Interchangeable optics accessible by removing snoot or baffle. Not available for Wallwash fixtures.

**RO-70-15-2** 15° optic

**RO-70-25-2** 25° optic

**RO-70-40-2** 40° optic

**RO-70-60-2** 60° optic

# CYLINDER 3 LVS FIXED SURFACE MOUNT

## WALLWASH DESIGN GUIDE



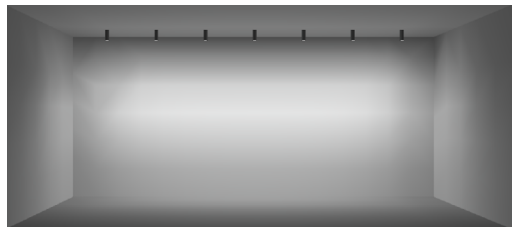
**8FT CEILING**  
**36" SETBACK / 48" ON CENTER SPACING**



**10FT CEILING**  
**36" SETBACK / 48" ON CENTER SPACING**

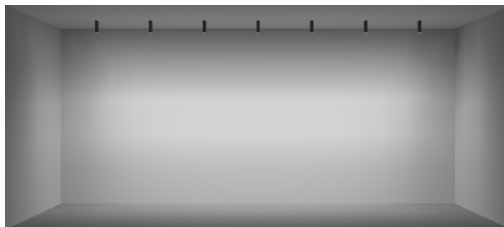


**12FT CEILING**  
**36" SETBACK / 48" ON CENTER SPACING**



**30" SETBACK / 42" ON CENTER SPACING**

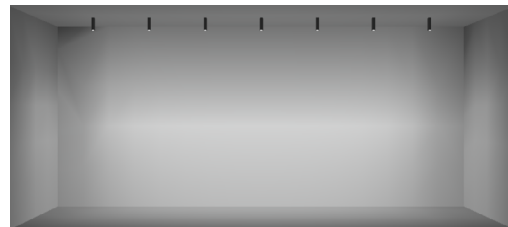
- AVERAGE FC: 23.92
- MAX / MIN: 5.08
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 7 FIXTURES / 25FT WALL SHOWN



### RECOMMENDED

**36" SETBACK / 48" ON CENTER SPACING**

- AVERAGE FC: 19.27
- MAX / MIN: 5.59
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 7 FIXTURES / 28FT WALL SHOWN



**42" SETBACK / 54" ON CENTER SPACING**

- AVERAGE FC: 15.63
- MAX / MIN: 6.19
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 7 FIXTURES / 32FT WALL SHOWN

### ADDITIONAL SETBACKS AND SPACINGS

ON CENTER SPACING	SETBACK		
	30"	36"	42"
42"	SHOWN ABOVE	AVERAGE FC: 21.55 MAX / MIN: 5.77	AVERAGE FC: 19.33 MAX / MIN: 6.99
48"	AVERAGE FC: 21.35 MAX / MIN: 4.31	SHOWN ABOVE	AVERAGE FC: 17.30 MAX / MIN: 6.30
54"	AVERAGE FC: 19.31 MAX / MIN: 4.69	AVERAGE FC: 17.41 MAX / MIN: 5.43	SHOWN ABOVE

**\*ALL DATA REFLECTS 90C20A LUMEN PACKAGE**

# CYLINDER 3 LVS FIXED SURFACE MOUNT

## STATIC WHITE PERFORMANCE - 3000K

LUMEN PACKAGE	WATTAGE	10° OPTIC NO SOFT FOCUS LENS		15° OPTIC SOFT FOCUS LENS		25° OPTIC SOFT FOCUS LENS		40° OPTIC SOFT FOCUS LENS		60° OPTIC SOFT FOCUS LENS		WW OPTIC WALLWASH LENS	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80C19A	17	1040	60	1352	80	1145	67	1127	66	1202	71	1280	75
80C25A	24	-	-	1802	76	1527	63	1502	63	1602	67	1699	71
80C32A	33	-	-	2353	71	1993	60	1961	59	2092	63	2218	67
90C15A	17	882	51	1158	68	987	58	905	53	1030	61	1096	64
90C20A	24	-	-	1544	65	1308	54	1287	54	1373	58	1456	61
90C27A	33	-	-	2016	61	1708	51	1680	51	1792	54	1834	56
97C14A	17	731	43	1037	61	878	51	863	51	921	54	980	58
97C19A	24	-	-	1382	58	1171	48	1151	48	1228	51	1317	55
97C24A	33	-	-	1804	55	1228	46	1503	46	1603	49	1706	52
90W11A	16	-	-	-	-	903	56	771	48	938	58	824	41
90W12A	16	-	-	-	-	1015	63	867	54	1054	65	926	57

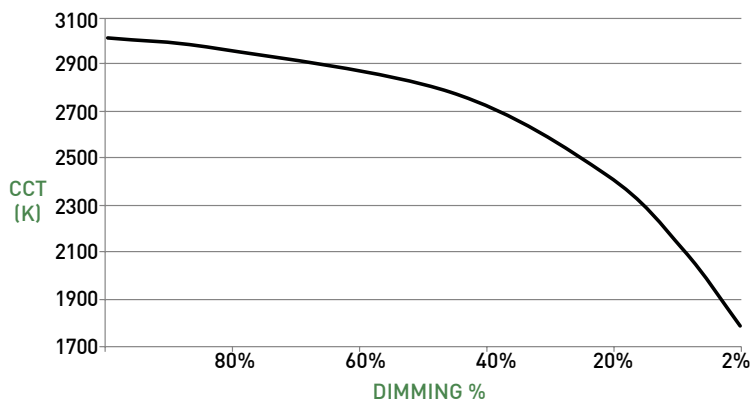
OUTPUT MULTIPLIER	
CCT	CCT SCALE
2200K	0.800
2700K	0.957
3000K	1.000
3500K	1.019
4000K	1.030

LIGHT LOSS FACTOR MULTIPLIER	
No Lens	1.05
SFL	1.00
CGL	1.00
FGL	0.90
FSFL	0.87
FLSL	0.83
SFL W/ LINEAR SPREAD	0.82
CGL W/ LINEAR SPREAD	0.82
HCL	0.65

## WARM DIM PERFORMANCE - SOFT FOCUS LENS - 60° OPTIC

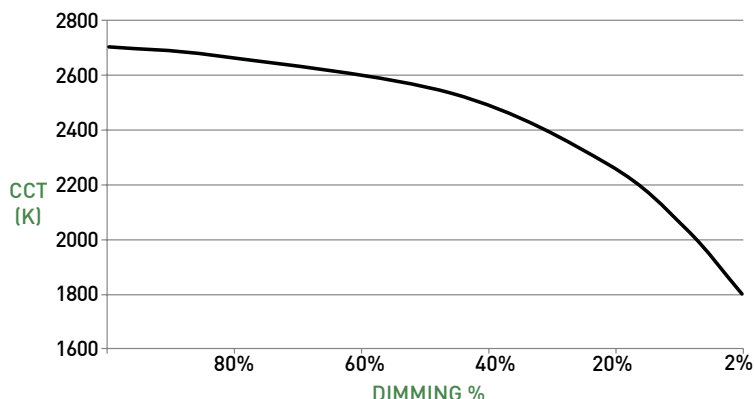
STANDARD WARM DIM PROFILE

90W12A 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	1054	843	737	527	210	105	21
Power (W)	14	11	10	7	3	1.5	0.3
Efficacy (LPW)	65	65	65	65	65	65	65



WARM DIM TO MIRROR INCANDESCENT DIMMING PROFILE

90W11A 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700	2650	2620	2520	2180	1950	1800
Light Output (Lm)	938	750	656	469	187	93	18
Power (W)	16	13	11	8	3	1.7	0.3
Efficacy (LPW)	58	58	58	58	58	58	58

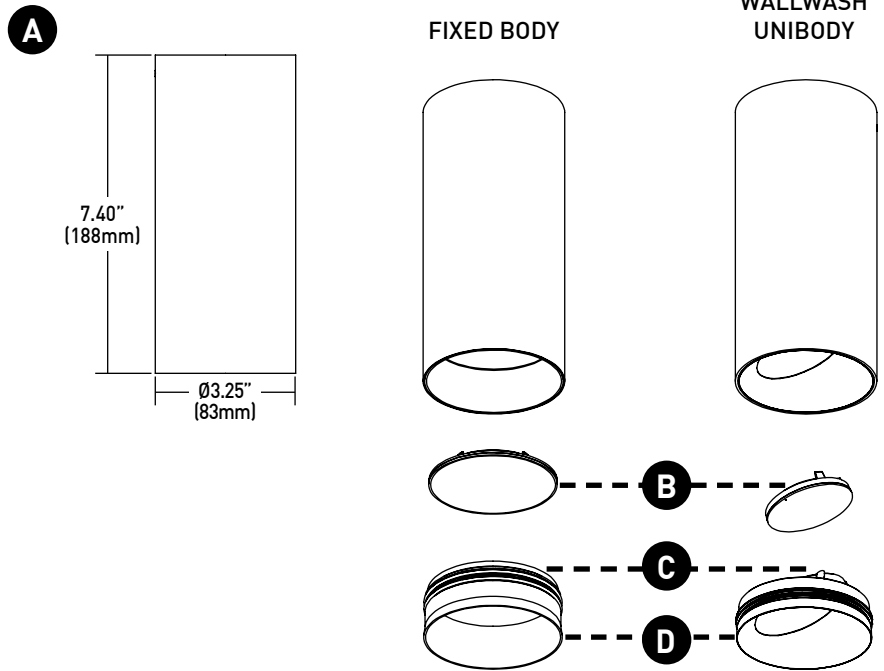


# CYLINDER 3 LVS FIXED SURFACE MOUNT

## CYLINDER ASSEMBLY

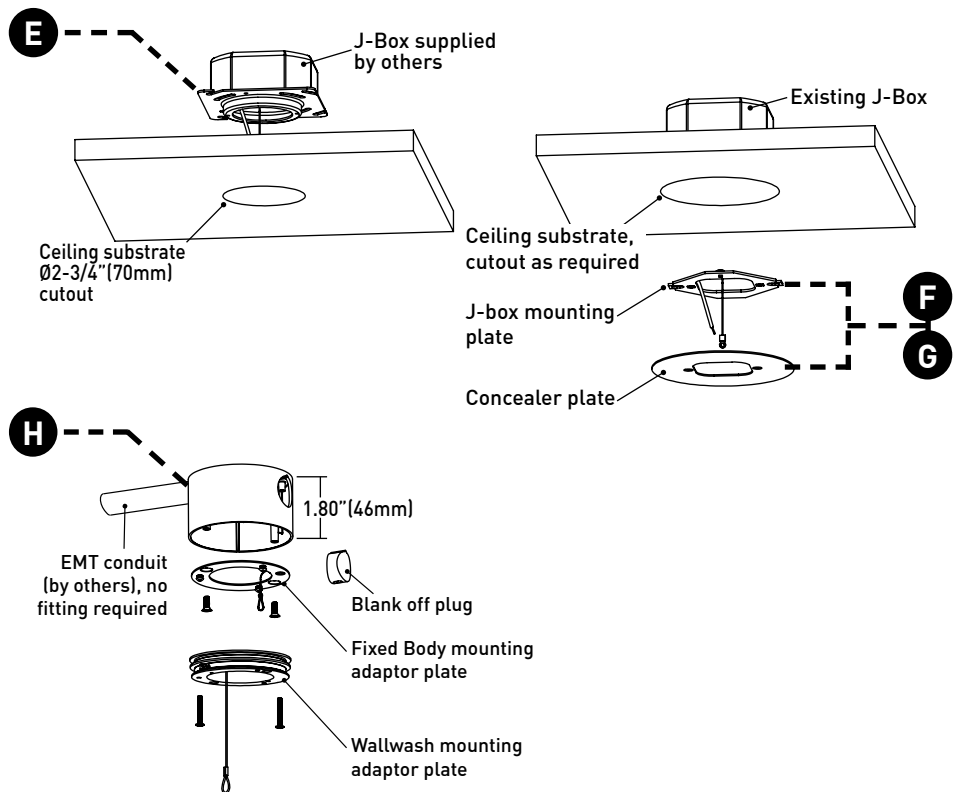
- A LUMINAIRE**  
Body with integrated heat sink and LED. Conceals mounting hardware. Power supply must be remote mount.
- B STANDARD OPTICS**  
Proprietary optics available in 10°, 15°, 25°, 40° & 60° beams.
- WALLWASH OPTIC**  
Precision tuned optic provides uniform wallwashing effect.
- C EFFECTS DEVICE**  
Cylinder baffle assembly can accept 1 lens. Soft focus lens, no lens or wallwash lens standard; lenses sealed in place.
- D BAFFLE**  
Baffle minimizes aperture glare and conceals view into fixture. Suction tool provided for removal of CY3-FB baffle.

## DIMENSIONS / DRAWINGS



## MOUNTING

- E JBMP**  
Mounting plate (concealed) for standard 4" square or 4" 4/0 j-box. To be installed during rough-in prior to substrate. Fixture to mount flush with minimalist transition to ceiling.  
Part Number - CY2/3-JBMP
- F SMK3**  
Surface mount kit includes mounting plate and 4" concealer plate that installs between fixture and standard 3" 3/0 j-box for existing applications where standard j-box cutout is to be concealed.  
Part Number - CY2/3-SMK-3/0-(FINISH)
- G SMK4**  
Surface mount kit includes mounting plate and 5" concealer plate that installs between fixture and standard 4" 4/0 j-box for existing applications where standard j-box cutout is to be concealed.  
Part Number - CY2/3-SMK-4/0-(FINISH)
- H CMJB**  
Ceiling mount junction box perfectly matches the cylinder profile for a continuous, integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features two conduit entrances on either side and one conduit knockout on top of j-box. J-box is IP10 rated; painted finishes only. Blank off plugs included.  
Part Number - CY3-CMJB-(FINISH)



## MOUNTING NOTES

- CY2/3-JBMP and CY2/3-SMK-3/0 & 4/0 not recommended for use with pancake style j-box.
- Fixtures are surface mount and must have access to free air. For applications involving slat ceilings or confined mounting, consult Comprehensive Install Guide for required clearances for proper air flow and servicing.

# CYLINDER 3 LVS FIXED SURFACE MOUNT

## TECHNICAL

### CONSTRUCTION

**Cylinder:** Machined aluminum body; extruded aluminum internal heat-sink; painted finishes are granulated powder coat.

**CMJB:** Die-cast aluminum body; painted finishes are granulated powder coat.

### STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2200K, 2700K, 3000K, 3500K and 4000K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### WALLWASH SPACING

Factory recommends 48" (1219mm) spacing on center with 36" (914mm) setback from wall plane.

### MOUNTING

Cylinder is supplied with a mounting adaptor plate, which integrates with required additional mounting accessories specified separately according to field application conditions, providing a minimalist transition from standard 4/0 or 4" square junction boxes and accommodating ceiling thicknesses of 0.44" (12mm) to 0.75" (19mm). Ceiling-mount junction box available for 1/2" (13mm) and 3/4" (19mm) conduit and feature concealed internal clamps for clean fitting-free conduit exit and entry.

### LISTING

cTUVus listed to UL2108 standard for Dry / Damp (CY3-FB IP14 and CY3-WW IP30) locations.

### WEIGHT

Cylinder / Mounting - 2.4 lbs max  
Remote Driver - 1.4 lbs

### LIMITED WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED to operate with 70% of the original flux and remain within a range of 3 duv. Warranty period begins from the date of shipment by Seller. [Consult website for full warranty terms and conditions.](#)

### CHANGE LOG

- 01/12/2021: ADDED 2200K, 2700K-1800K WARM DIM AND 10 DEGREE OPTIC OFFERINGS.
- 04/26/2021: ADDED WALLWASH UNIBODY OFFERING.
- 11/17/2021: UPDATE 25° PHOTOMETRICS.
- 06/21/2022: ADDED SOFT FOCUS LENS W/ LINEAR SPREAD FILM, AND CLEAR GLASS LENS W/ LINEAR SPREAD FILM.
- 10/17/2022: REMOVED 90W13A 3200K-1800K WARM DIM AND ADDED 90W12A 3000K-1800K WARM DIM.