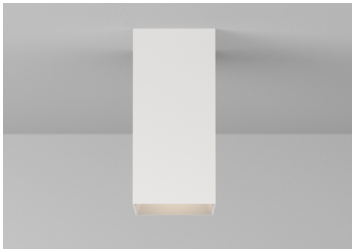


SQUILINDER®
FIXED
SURFACE MOUNT

A modern update to a timeless form, this award-winning, fresh-faced classic offers sleek geometry, field-changeable optics, and endless adjustability.

PROJECT NAME:

TYPE:








ORDERING INFORMATION - SQUILINDER



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



JA8-2022 COMPLIANCE INDICATED BY SHADING

SQUILINDER	FIXTURE	RATING	SQUILINDER FINISH	BAFFLE FINISH	CRI / WATTAGE PACKAGE	CCT	OPTIC (UGR)	DRIVER	MEDIA	MOUNTING		
SQ2		1										
SQ2 3.13"	FB Fixed Body WW Fixed Body Wallwash	1 Dry/Damp	WH White	WH White	<div><div></div><div>STATIC WHITE</div><div>80S11A 80+ CRI, 11 Watts Lm. Delivered - 1278</div><div>80S17A 80+ CRI, 17 Watts Lm. Delivered - 1960</div><div>80S23A 80+ CRI, 23 Watts Lm. Delivered - 2541</div><div>90S11A 90+ CRI, 11 Watts Lm. Delivered - 1098</div><div>90S17A 90+ CRI, 17 Watts Lm. Delivered - 1684</div><div>90S23A 90+ CRI, 23 Watts Lm. Delivered - 2183</div><div>97S11A 97+ CRI, 11 Watts Lm. Delivered - 964</div><div>97S17A 97+ CRI, 17 Watts Lm. Delivered - 1479</div><div>97S23A 97+ CRI, 23 Watts Lm. Delivered - 1917</div></div>	24 2400K* *(90+ CRI only, 17W max)	10 10°* (>19) *(17W packages only)	INTEGRAL	STANDARD MEDIA	<div><div></div>ROUGH-IN<div></div></div> <div>JBMP 4" Sq. or 4/0 Junction Box Mounting Plate</div>		
			AG Satin Silver* *(Increased lead time)	AG Satin Silver* *(Increased lead time)		15 15° (<16)	CA3 120-277V 0-10V Analog	40 Soft Focus Lens* <div>(Required for 10° optic)</div>	<div><div></div>FINISH OUT<div></div></div> <div>SMK3 3/0 Surface Mount Kit</div>			
			AB Architectural Bronze* *(Increased lead time)	AB Architectural Bronze* *(Increased lead time)		20 20° (<13)	CE3 120V Electronic Forward / Reverse				SMK4 4/0 Surface Mount Kit	
			BK Black	BK Black		25 25° (<16)	REMOTE (120V)	ALTERNATE MEDIA			CMJB 1/2" and 3/4" Conduit Ceiling Mount Junction Box* *(Quick Ship Product for WH and BK finishes only)	
			CF Custom Finish* *(Consult Factory)	CF Custom Finish* *(Consult Factory)		30 3000K	TR2 Philips, 2% Forward / Reverse	00 No Lens* <div>(Not available for Warm Dim)</div>				
						35 3500K	WW Wallwash Optic*(>19) *(Required for Wallwash fixtures)	WW Wallwash Lens* *(Required for Wallwash fixtures)				
						40 4000K						
								20 20° (<10)				
								25 25° (<10)				
								40 40° (<13)				
								60 60° (<16)				

SQUILINDER FIXED SURFACE MOUNT

ACCESSORIES

ALTERNATE BAFFLE AND MEDIA

Includes baffle with sealed lens. Must specify baffle finish.

☐ **RBA-SQ2-**-HCL-2** Honeycomb Louver *

*(Not available for Warm Dim)

☐ **RBA-SQ2-**-CGL-2** Clear Glass Lens *

*(Not available for Warm Dim)

☐ **RBA-SQ2-**-SFL-2** Soft Focus Lens

☐ **RBA-SQ2-**-FGL-2** Frosted Glass Lens

☐ **RBA-SQ2-**-FSFL-2** Frosted Soft Focus Lens

☐ **RBA-SQ2-**-FLSL-2** Frosted Linear Spread Lens

☐ **RBA-SQ2-**-SFL-LSL-2** Soft Focus Lens W/ Linear Spread Film

☐ **RBA-SQ2-**-CGL-LSL-2** 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.

STATIC / TUNABLE WHITE REPLACEMENT OPTICS

☐ **RO-70-15-S** 15° optic

☐ **RO-70-20-S** 20° optic

☐ **RO-70-25-S** 25° optic

☐ **RO-70-40-S** 40° optic

☐ **RO-70-60-S** 60° optic

☐ **RO-50-WW-S** Wallwash optic

WARM DIM REPLACEMENT OPTICS

☐ **RO-70-20-W** 20° optic

☐ **RO-70-25-W** 25° optic

☐ **RO-70-40-W** 40° optic

☐ **RO-70-60-W** 60° optic

☐ **RO-50-WW-W** Wallwash optic

REPLACEMENT SUCTION TOOL

Included with each order (1 per 10 fixtures).

☐ **CY-SQ-TOOL-SUCTION** Baffle assembly removal tool

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

☐ **EMB-S-25-120/277-LEDX** 25 watt max capacity, 120 or 277 VAC 60Hz

☐ **EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, 0-10V dimmable

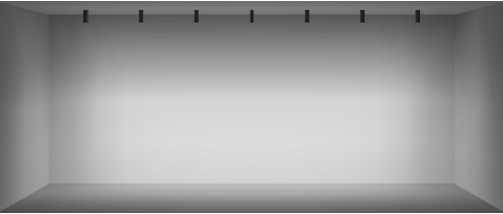
☐ **EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, 0-10V dimmable

☐ **EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz

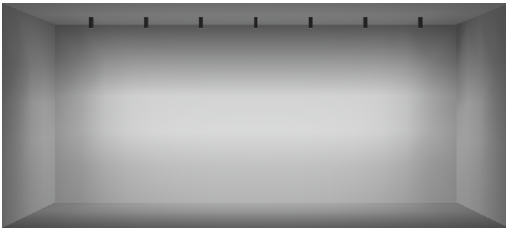
During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

SQUILINDER FIXED SURFACE MOUNT

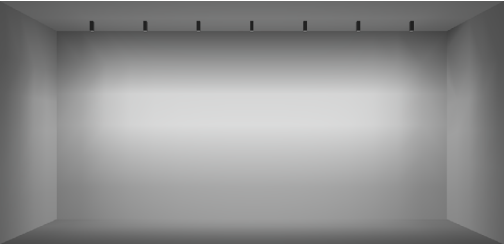
WALLWASH DESIGN GUIDE



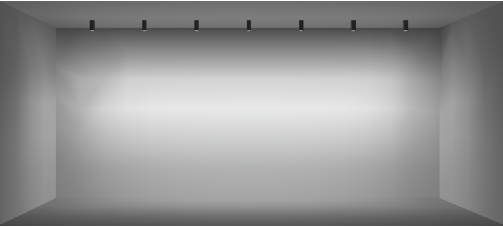
8FT CEILING
36" SETBACK / 48" ON CENTER SPACING



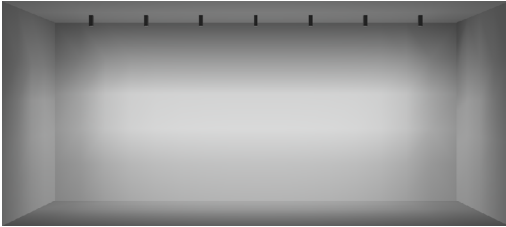
10FT CEILING
36" SETBACK / 48" ON CENTER SPACING



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



30" SETBACK / 42" ON CENTER SPACING



RECOMMENDED
36" SETBACK / 48" ON CENTER SPACING



42" SETBACK / 54" ON CENTER SPACING

- AVERAGE FC: 17.19
- MAX / MIN: 5.71
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 7 FIXTURES / 25FT WALL SHOWN

- AVERAGE FC: 13.81
- MAX / MIN: 6.21
- 10FT CEILING SHOWN / 8-12FT IDEAL
- 7 FIXTURES / 28FT WALL SHOWN

- AVERAGE FC: 11.14
- MAX / MIN: 7.32
- 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: 15.45 MAX / MIN: 6.50	AVERAGE FC: 13.79 MAX / MIN: 7.36
48"	AVERAGE FC: 15.35 MAX / MIN: 5.35	SHOWN ABOVE	AVERAGE FC: 12.33 MAX / MIN: 7.20
54"	AVERAGE FC: 13.86 MAX / MIN: 5.40	AVERAGE FC: 12.47 MAX / MIN: 6.10	SHOWN ABOVE

*ALL DATA REFLECTS 90S17A WATTAGE PACKAGE

SQUILINDER FIXED SURFACE MOUNT

STATIC WHITE PERFORMANCE - 3000K - SOFT FOCUS LENS

WATTAGE PACKAGE	WATTAGE	10° OPTIC FIELD REDUCER		15° OPTIC SOFT FOCUS LENS		20° OPTIC SOFT FOCUS LENS		25° OPTIC SOFT FOCUS LENS		40° OPTIC SOFT FOCUS LENS		60° OPTIC SOFT FOCUS LENS		WW OPTIC WALLWASH LENS	
		DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW	DLVD	LPW
80S11A	11	-	-	1289	117	1278	116	1282	117	1222	111	1154	105	913	83
80S17A/C	17	716	42	1916	113	1960	115	1925	113	1846	109	1737	102	1395	82
80S23A	23	-	-	2440	106	2541	110	2515	109	2383	104	2240	97	1814	79
90S11A	11	-	-	1107	101	1098	100	1101	100	1050	95	991	90	784	71
90S17A/C	17	617	36	1646	97	1684	99	1654	97	1586	93	1492	88	1198	70
90S23A	23	-	-	2096	91	2183	95	2161	94	2047	89	1924	84	1558	68
97S11A	11	-	-	972	88	964	88	967	88	922	84	870	79	688	63
97S17A/C	17	532	31	1445	85	1479	87	1452	85	1392	82	1310	77	1052	62
97S23A	23	-	-	1840	80	1917	83	1897	82	1797	78	1689	73	1368	59
90W18AL (2700K-1800K)	18	-	-	-	-	1153	64	1133	63	1095	61	1037	58	858	48
90W18AD (3000K-1800K)	18	-	-	-	-	1130	63	1132	63	1093	61	1047	58	881	49
90T17ATR (4000K-1800K)	17	-	-	985	58	991	59	999	59	938	56	904	54	923	55
90T17ATH (5000K-2700K)	17	-	-	977	58	982	58	990	59	930	55	896	53	905	54

TITLE 24 JA8-2022 INDICATED BY SHADING

UNIFIED GLARE RATING

10° OPTIC FIELD REDUCER	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS
>19	<16	<13	<16	<16	<19

MEDIA LIGHT LOSS MULTIPLIER

MEDIA	LIGHT LOSS FACTOR
No Lens	1.06
SFL	1.00
CGL	0.98
FGL	0.91
FSFL	0.87
FLSL	0.82
SFL W/ LIN. SPREAD	0.76
CGL W/ LIN. SPREAD	0.74
HCL	0.73

OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.08

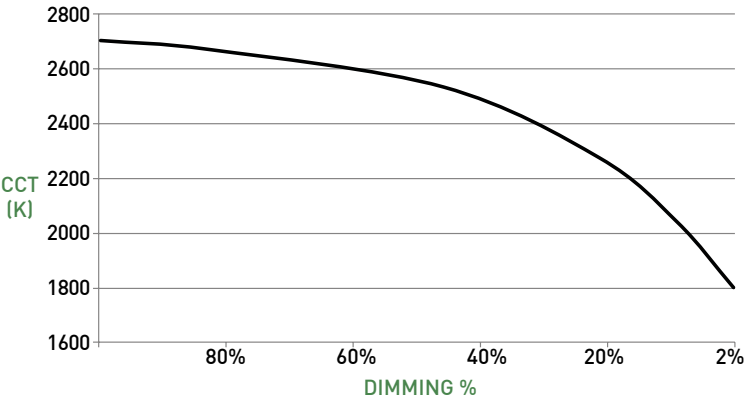
TUNABLE WHITE MULTIPLIER

CCT	5000K-2700K	4000K-1800K
5000K	1.16	-
4000K	1.08	1.14
3500K	1.04	1.07
3000K	1.00	1.00
2700K	0.96	0.92
2400K	-	0.84
1800K	-	0.69

WARM DIM PERFORMANCE - SOFT FOCUS LENS - 20° OPTIC

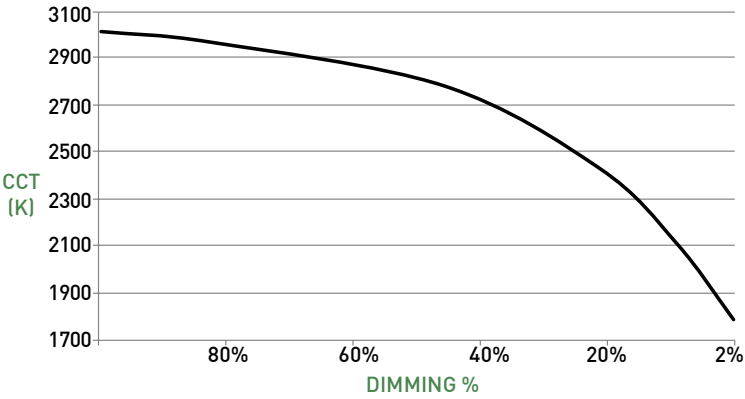
INCANDESCENT PROFILE

90W18AL 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)	1153	922	807	576	231	115	23
Power (W)	18	14	13	9	4	2	.4
Efficacy (LPW)	64	64	64	64	64	64	64



HALOGEN PROFILE

90W18AD 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)	1130	904	791	565	226	113	23
Power (W)	18	14	13	9	4	2	.4
Efficacy (LPW)	62	62	62	62	62	62	62

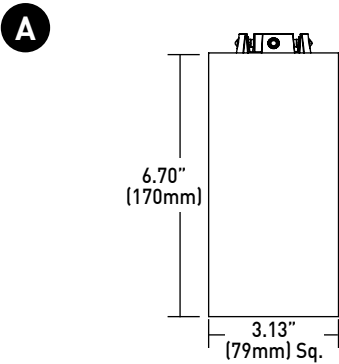


SQUILINDER FIXED SURFACE MOUNT

FIXTURE

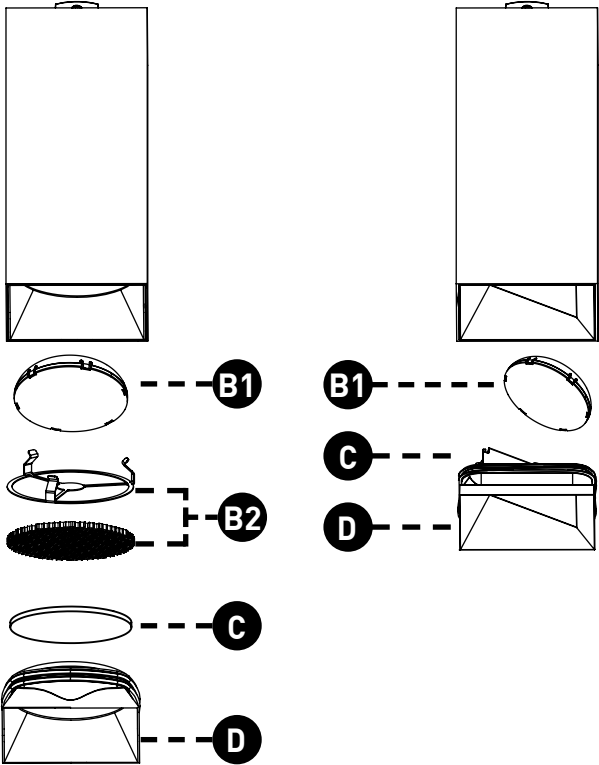
- A LUMINAIRE**
Machined body with integral heat sink and LED. Power supply may be integral or remote mount.
- B1 FIXED BODY OPTIC**
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.
- WALLWASH OPTIC**
Precision tuned optic provides uniform wallwashing effect.
- B2 10° FIELD REDUCER**
Included with 10° optic. Reduces field angle by 6%
- C FIXED BODY MEDIA**
Soft focus lens standard; lenses sealed in place. Fixture can accept 1 media.
- WALLWASH MEDIA**
Wallwash lens is sealed in place. Fixture can accept 1 media.
- D BAFFLE**
Baffle minimizes aperture glare and conceals view into fixture. Suction tool provided for removal of baffle.

DIMENSIONS / DRAWINGS



FIXED BODY

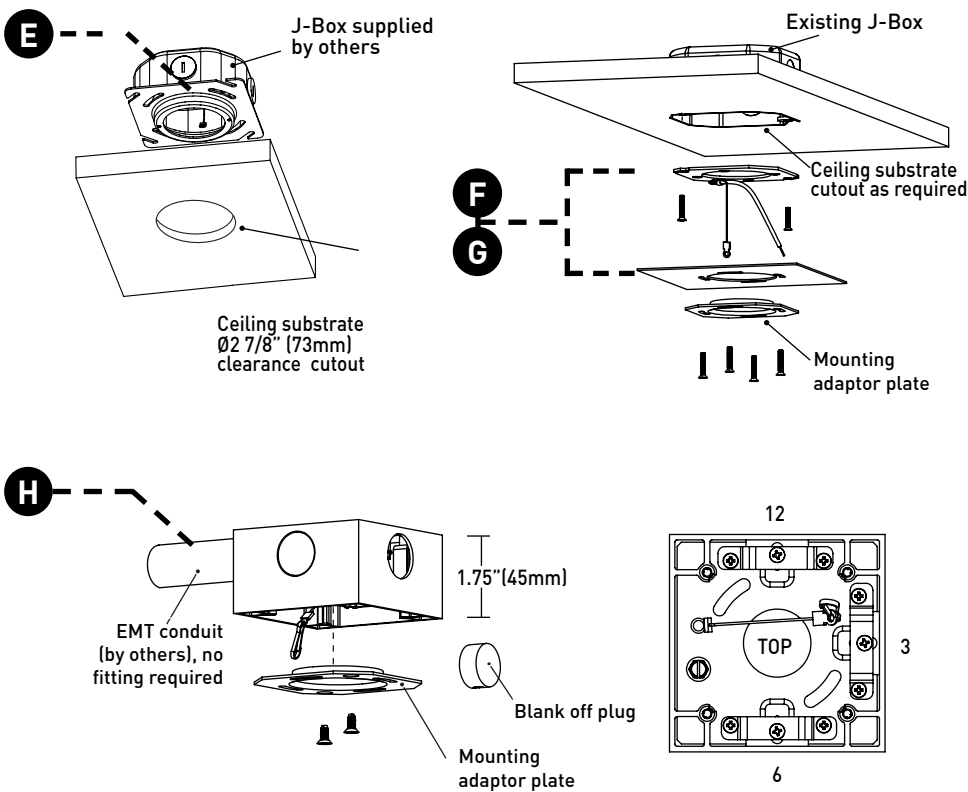
FIXED BODY
WALLWASH



SQUILINDER FIXED SURFACE MOUNT

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 - SQ2-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 - SQ2-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 - SQ2-SMK-4/0-(FINISH)
- H CMJB**
Ceiling mount junction box perfectly matches the squilinder 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 three conduit entrances at 12, 3, and 6 o'clock plus one conduit knockout on top. Painted finishes only. Blank off plugs included.
Part Number - SQ2-CMJB-(FINISH)

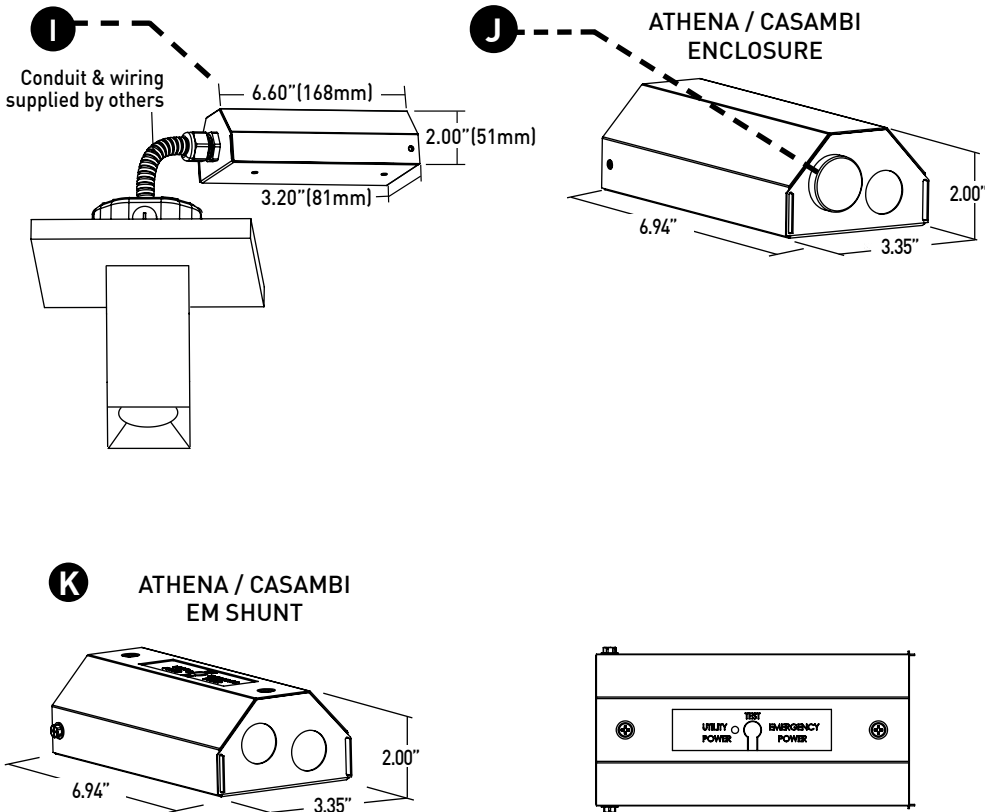


MOUNTING NOTES

- JBMP not recommended for use with pancake style j-box.
- For applications involving slat ceilings or confined mounting, consult Comprehensive Install Guide for required clearances for proper air flow and servicing.

REMOTE POWER SUPPLY

- I PS-RMT**
Remote power supply provides additional driver options. Mounting device still required. Consult install guide for maximum allowable secondary run lengths between PS-RMT and fixture.
- J ATHENA / CASAMBI CONTROL**
Controls integrated into housing or remote driver assembly. All equipment is serviceable.
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI
Casambi Model Number: BT-S1E1-5400
- K ATHENA / CASAMBI EM SHUNT**
Included with drivers specified as ASR, ADR, CSR, or CDR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.
Model Number: PS-RMT-SHUNT



SQUILINDER FIXED SURFACE MOUNT

TECHNICAL

CONSTRUCTION

Squilinder: Machined aluminum body; painted finishes are granulated powder coat.
CMJB: Die-cast aluminum body; painted finishes are granulated powder coat.
Remote Power Supply: 22 Gauge galvanized steel.

STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K.
3-step MacAdam ellipse LED module available in 90+ CRI configuration in color temperature of 2400K. 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.

TUNABLE WHITE LED

3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K and 1800K to 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	PHASE		0-10V								ECO		DALI			ATHENA	CASAMBI
Power Supply	CE3/RE3	TR2	CA3/RA3	AN4	EA2	LN2	EA2	LA2	DG1	DN1	LP1	LH1	ED1	LD1	DD1	AS1/AD1	CS1/CD1
Minimum °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	0 °C	0 °C	-20 °C	-20 °C	-20 °C	0 °C	-20 °C
Maximum °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	2.0%	2.0%	2.0%	1.0%	0.1%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For TR2, LH1, LP1, AN4, LN2, EA2 and LA2 drivers consult chart on page 8 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
RA, RE	-	164'	105'	66'	40'
TR2, AN4, LN2	285'	180'	113'	71'	45'
LH1, LP1	60'	40'	25'	15'	-
EA2, LA2, ED1, LD1, DG1, DD1, DN1 AS1, CS1, AD1, CD1	-	-	118'	72'	46'

WALLWASH SPACING

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

MOUNTING

Squilinder is supplied with a mounting adaptor plate, which integrates with JBMP, 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 UL1598 standard for Dry / Damp (IP14) locations. Title 24 JA8-2022 Listed. NEMA 410 compliant.

WEIGHT

Fixture and Mounting - 3.8 lbs
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 and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. 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.
- 03/17/2021: ADDED SMK MOUNTING OPTION.
- 04/29/2021: ADDED FIXED BODY WALLWASH AND LP1 DRIVER OFFERINGS.
- 06/09/2022: ADDED HONEYCOMB LOUVER, 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.
- 08/08/2023: ADDED NEW LED AND OPTIC OFFERINGS. REMOVED 2200K OFFERING.
- 1/11/2024: ADDED ATHENA/CASAMBI OFFERINGS, ADDED 2400K OFFERING.
- 2/7/2024: ADDED TUNABLE WHITE OFFERING.
- 3/15/24: ADDED 10 DEGREE FIELD REDUCER, UPDATED 10 DEGREE PERFORMANCE DATA.
- 7/15/2024: REMOVED L23 DRIVER OFFERING.

SQUILINDER FIXED SURFACE MOUNT

DIMMING COMPATIBILITY

PHILIPS DRIVER COMPATIBILITY

Power supply TR2 Manufacturer	Family/Model #
Lutron Electronics	DV-600P
Lutron Electronics	DVELV-303P
Lutron Electronics	NTELV-600
Lutron Electronics	MAELV-600
Lutron Electronics	SELV-300P
Lutron Electronics	DVLV-600P
Lutron Electronics	NFTU-5A
Lutron Electronics	CTCL-153P
Lutron Electronics	GL-600H
Lutron Electronics	S-600P
Lutron Electronics	PHPM
Power supply AN4 / LN2 Manufacturer	Family/Model #
Lutron Electronics	DVTV plus PP-DV
Lutron Electronics	DVSCTV plus PP-DV
Lutron Electronics	DVSTV
Lutron Electronics	DVSCSTV
Lutron Electronics	QSGRJ-XP plus GRX-TVI
Lutron Electronics	QSGRJ-XE plus GRX-TVI
Lutron Electronics	QSGR-XE plus GRX-TVI
Lutron Electronics	NFTV plus PP-DV
Lutron Electronics	NTSTV
Lutron Electronics	RMJ-5T
Lutron Electronics	RMJS-8T
Lutron Electronics	FCJS-010
Leviton	IllumaTch IP7 series
Philips	Sunrise - SR1200ZTUNV

LUTRON DRIVER COMPATIBILITY

Power supply LH1 / LP1 Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-EC032-DV-B
PowPak Dimming Modules	FCJ/FCJS-ECO
Energi Savr Nodes	QSN-1ECO-S
GRAFIK Eye QS control unit	QSN-2ECO-S
Homeworks QS control unit	QSGRJ- _E (wireless)
GRAFIK Eye QS control unit	QSGR- _E
Homeworks QS control unit	QSGR- _E
Quantum Hub	QP2- _ _ 2C
Quantum Hub	QP2- _ _ 4C
Quantum Hub	QP2- _ _ 6C
Quantum Hub	QP2- _ _ 8C
Homeworks QS power module	LQSE-2ECO-D
myRoom Plus power module	



eldoLED DRIVER COMPATIBILITY

Power supply EA2 / LA2 Dimmer / Switch Control Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DDTV
Lutron Electronics	Nova® - NFTV
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Sensor Switch	nIO EZ
Synergy	ISD BC
Power supply EA2 / LA2 Lighting Control Systems Manufacturer	Family/Model #
Lutron Electronics	GrafixEye® GRX-TVI w GRX3503
Lutron Electronics	Energy Savr Node™ - QSN-4T16-S
Lutron Electronics	TVM2 Module
Crestron®	GLX-DIMFLV8
Crestron®	GLXP-DIMFLV8
Crestron®	GLPAC-DIMFLV4-*
Crestron®	GLPAC-DIMFLV8-*
Crestron®	GLPP-DIMFLVEX-PM
Crestron®	GLPP-1DIMFLV2EX-PM
Crestron®	GLPP-1DIMFLV3EX-PM
Crestron®	DIN-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
ABB	SD/S 2.16.1

ANALOG DRIVERS AND DIMMERS

