



JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 12", 14" SQUARE

JSFSQ SERIES

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 14" • Provides economical installation by mounting directly over standard and fire-rated junction boxes • Optional finish trims and shrouds available for custom, designer look similar to standard recessed downlights • Provides general illumination in residential and commercial applications including multi-family and hospitality • Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more.

PRODUCT SPECIFICATIONS

Construction Shallow, less than 1", solid square housing with white finish • Non conductive fixture for shower light applications • Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture • Optional, field installable decorative baffle and cone shrouds for 5" and 7" versions provide the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Optics Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 2700K, 3000K, 3500K or 4000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver on 5" and 7" models only • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Emergency Battery Option Available on fixture sizes 12" and larger • Battery factory assembled to fixture with integral test switch (EL option) • Drives LEDs for 90 minutes to meet Life Safety Code (NFPA-LSC), National Electrical Code (NEC), and UL requirements • Emergency battery not available in California due to Title 20 restrictions • EBX option provides back box without battery for consistent look when used in same space as fixtures with EL emergency option.

Life Rated for 50,000 hours at >70% lumen maintenance.

Labels ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

Warranty 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx

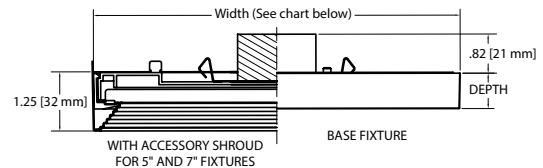
Specifications subject to change without notice.

INSTALLATION

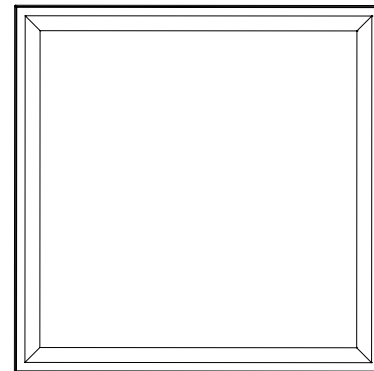
Junction Box Mounting Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes • Compatible boxes include 4" metal or plastic octagonal standard and fire-rated junction boxes (3 1/2" junction box screw-hole spacing required for installation) • Minimum 2 1/8" deep junction box required • Quick mount bracket provides fast installation of fully assembled fixture to junction box • Suitable for ceiling mount • Suitable for use within closet storage spaces when installed per NEC requirements.



DIMENSIONS



External driver available on 5" and 7" models only.

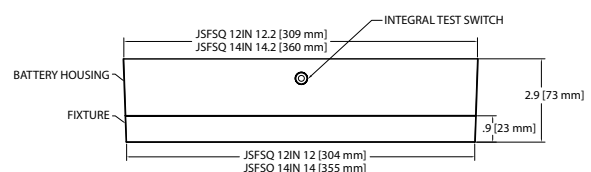


SQUARE SPECIFICATIONS

	Width	Depth
JSFSQ 5IN	5.25 (13.34)	0.75 (1.91)
JSFSQ 7IN	7.77 (19.74)	0.75 (1.91)
JSFSQ 12IN	12.07 (30.66)	0.9 (2.29)
JSFSQ 14IN	14.18 (36.02)	0.9 (2.29)

All dimensions are in inches (centimeters) unless otherwise indicated.

EMERGENCY BATTERY FOR 12" AND 14" ONLY



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PERFORMANCE DATA

	JSFSQ 5IN		JSFSQ 7IN		JSFSQ 12IN		JSFSQ 14IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	120V-277V
Input Power	10W	10W	13W	13W	15W	15W	20W	20W
Input Current	110MA	50MA	150MA	60MA	180MA	80MA	240MA	110MA
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9		>0.9		>0.9		>0.9	

ORDERING INFORMATION

Example: JSFSQ 5IN 07LM 27K 90CRI 120 FRPC WH

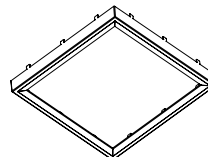
Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish	Emergency Battery ^{1,2,3}
JSFSQ SlimForm Surface Mount Downlight - Square	5IN 07LM 5", 700 Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimming MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	EL ³ Battery Back-up Option EBX Empty Back Box for Aesthetics
	7IN 10LM 7", 1000 Lumens	30K 3000K				
	12IN 13LM 12", 1300 Lumens	35K 3500K				
	14IN 18LM 14", 1800 Lumens	40K 4000K				

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFSQTRIM 5IN BL

Series	Size	Finish
JSFSQTRIM SlimForm Accessory Trim - Square	5IN 5 inches	BL Black
	7IN 7 inches	BZ Bronze
		SN Satin Nickel

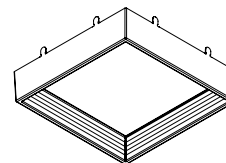


TRIM

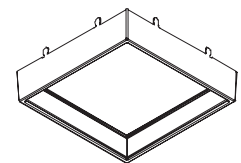
SHROUD – Optional, field installable decorative baffle and cone shrouds provides the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Example: JSFSQSHROUD 5IN DB WWH

Series	Size	Shroud Style	Finish
JSFSQSHROUD SlimForm Accessory Shroud - Square	5IN 5 inches	DB Downlight Baffle	WWH White trim, white shroud
		DC Downlight Cone	BWH ⁴ Black trim, white shroud
	7IN 7 inches		HZWH Haze trim, white shroud
			WHZWH Wheat Haze trim, white shroud



BAFFLE SHROUD



CONE SHROUD

Note:

- Emergency battery available with 12IN and 14IN only.
- Emergency battery is only available with MVOLT ZT.
- Emergency battery option not available in California due to Title 20 restrictions.
- BWH only available with downlight baffle.

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PHOTOMETRICS

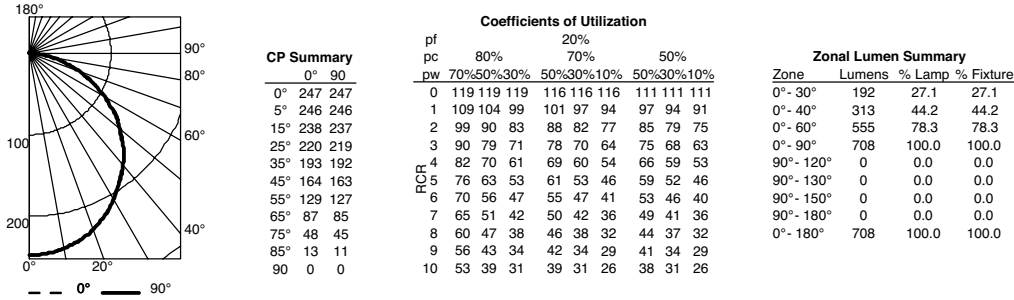
Distribution Curve

Distribution Data

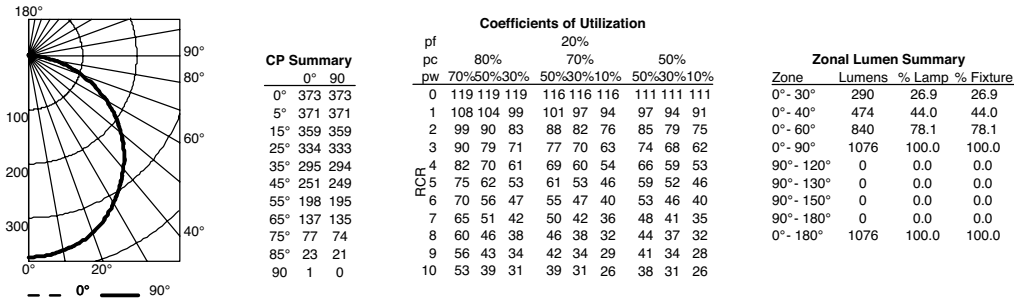
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

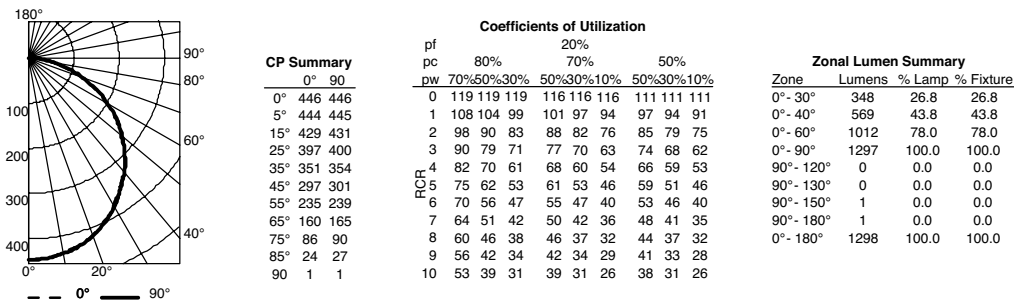
JSFSQ 5IN 27K, 2700K LEDs, input watts: 9.8, delivered lumens: 708, LM/W = 72.2, test no. ISF 33598, tested in accordance to IESNA LM-79.



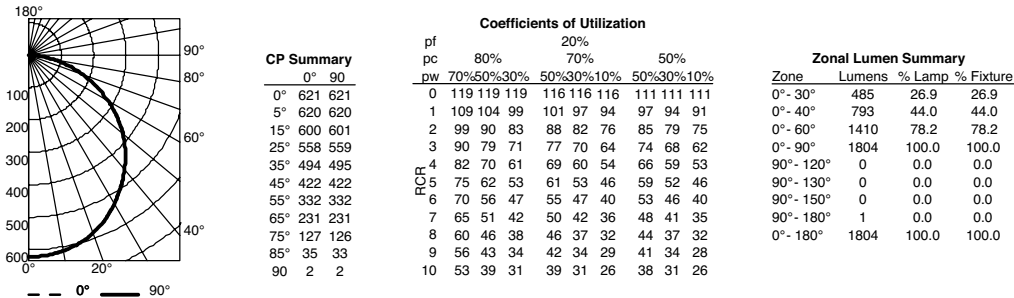
JSFSQ 7IN 27K, 2700K LEDs, input watts: 12.9, delivered lumens: 1076, LM/W = 83.4, test no. ISF 33601, tested in accordance to IESNA LM-79.



JSFSQ 12IN 27K, 2700K LEDs, input watts: 14.7, delivered lumens: 1298, LM/W = 88.3, test no. ISF 33664, tested in accordance to IESNA LM-79.



JSFSQ 14IN 27K, 2700K LEDs, input watts: 20.4, delivered lumens: 1804, LM/W = 88.4, test no. ISF 33662, tested in accordance to IESNA LM-79.



For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier; For 40K, use 1.07 multiplier.