



# juno JSF Series SlimForm LED Surface Mount Downlights Instruction Manual

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**juno JSF Series Slim Form LED Surface Mount Downlights**



## Product Information

- **Product Name:** Juno Slim Form LED Surface Mount Downlights
- **Fixture Type:** Round
- **Location:** J-Box Installation
- **Contact/Phone:** Not specified

## Product Description

The Juno Slim Form LED Surface Mount Downlights are round fixtures designed for J-Box installation. They feature light guide technology combined with diffusing lens to conceal the LEDs from direct view and provide uniform lens luminance. The fixtures are rated for a life of 50,000 hours with over 70% lumen maintenance. They come with a 5-year limited warranty.

## PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 13"

- Provides economical installation by mounting directly over standard and fire-rated junction boxes
- Optional finish trims 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 with Emergency Option and much more.

## PRODUCT SPECIFICATIONS

- **Construction** Shallow, less than 1", solid ring 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 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 McAdam 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 is only available on 5" and 7" models
- For a list of compatible dimmers, see JUNOSLIMFORM-DIM.
- **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. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

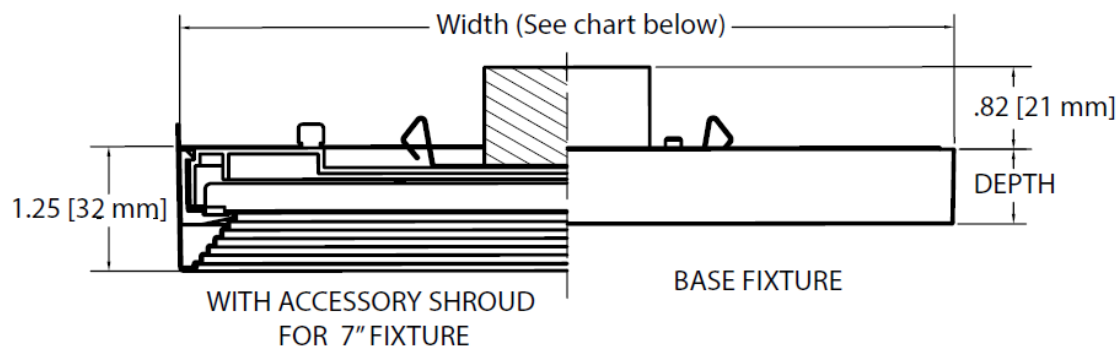
**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

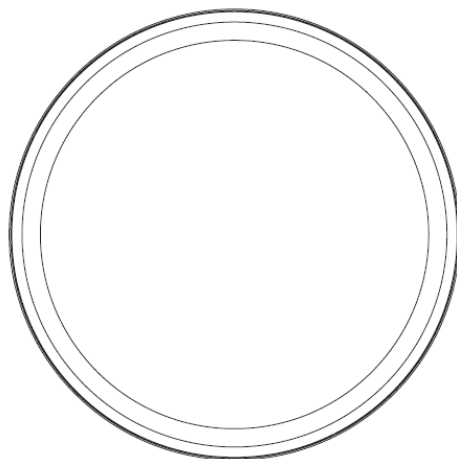
## INSTALLATION

- 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 for 5" and 7" fixtures (no depth requirement for 11" and larger fixtures)
- 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. Junction box sizes vary - Verify compatibility with fixture prior to installation

## DIMENSIONS



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



## ROUND SPECIFICATIONS

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)
JSF 11IN	11.08 (28.14)	0.9 (2.29)
JSF 13IN	13.05 (33.15)	0.9 (2.29)

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

- One Lithonia Way
- Conyers, GA 30012
- Phone 1-800-705-SERV (7378)
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## PERFORMANCE DATA

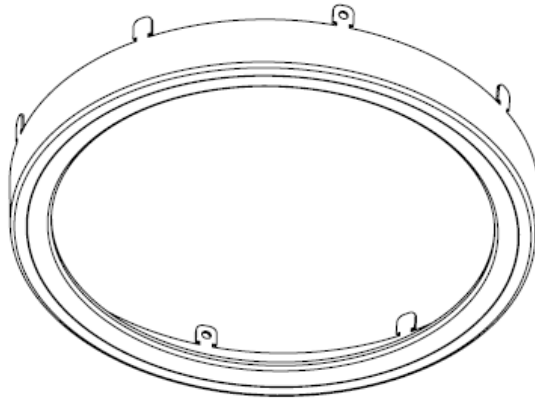
	JSF 5IN		JSF 7IN		JSF 11IN		JSF 13IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	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

Series		Size/Lumens		Color Temperature		CRI		Voltage/Driver	Finish	
JSF	Slim Form Surface Mount Downlight – Round	5IN 07LM	5", 700 Lumens	27K	2700K 3000K 3500K 4000K	90CRI	90+ CRI	120 FRPC** Dedicated 120V,	WH	White
		7IN 10LM	7", 1000 Lumens	30K				Forward Reverse Phase Dimming		
		11IN 13LM	11", 1300 Lumens	35K				MVOLT ZT** Universal Voltage		
		13IN 18LM	13", 1800 Lumens	40K				120V-277V, 0-10V Dimming		

\*\*Limited stock remaining. See table below for available ordering options.

## ACCESSORIES



## TRIM

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

Example: JSFTRIM 5IN BZ

Series	Size	Finish
JSFTRIM SlimForm	5IN 5 inches	BL Black
Accessory- Trim	7IN 7 inches	BZ Bronze
		SN1 Satin Nickel

### Notes

1 SN not available in 5IN.

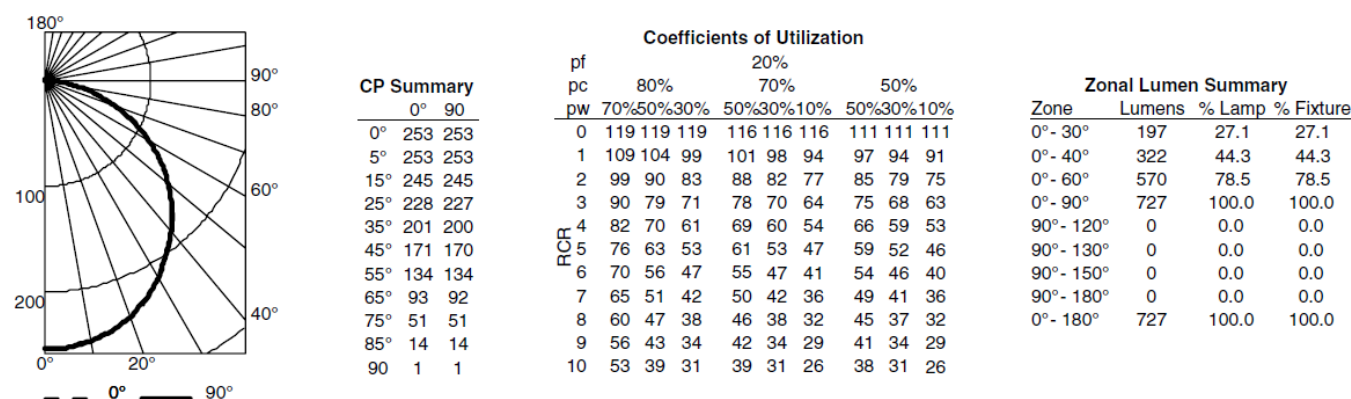
**Remaining Ordering Options	
JSF 120V Fixtures	
Option Value	Catalog Number
5IN	JSF 5IN 07LM 27K 90CRI 120 FRPC WH M6
5IN	JSF 5IN 07LM 30K 90CRI 120 FRPC WH M6
7IN	JSF 7IN 10LM 27K 90CRI 120 FRPC WH M6
7IN	JSF 7IN 10LM 35K 90CRI 120 FRPC WH M6
7IN	JSF 7IN 10LM 40K 90CRI 120 FRPC WH M6
11IN	JSF 11IN 13LM 30K 90CRI 120 FRPC WH M6
11IN	JSF 11IN 13LM 35K 90CRI 120 FRPC WH M6
13IN	JSF 13IN 18LM 27K 90CRI 120 FRPC WH M6

**Remaining Ordering Options	
JSF MVOLT Fixtures	
Option Value	Catalog Number
5IN	JSF 5IN 07LM 27K 90CRI MVOLT ZT WH M6
5IN	JSF 5IN 07LM 30K 90CRI MVOLT ZT WH M6
7IN	JSF 7IN 10LM 27K 90CRI MVOLT ZT WH M6
7IN	JSF 7IN 10LM 30K 90CRI MVOLT ZT WH M6
13IN	JSF 13IN 18LM 30K 90CRI MVOLT ZT WH M6
13IN	JSF 13IN 18LM 40K 90CRI MVOLT ZT WH M6

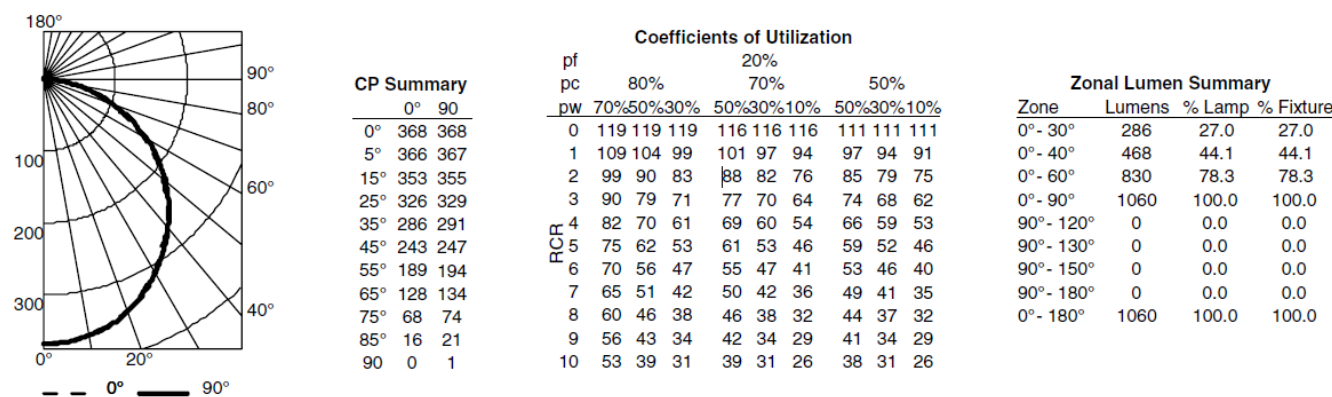
To view a spec sheet of our newly launched Switchable 5CCT fixtures see JSF-5IN-7IN or JSF-11IN-13IN

## PHOTOMETRICS

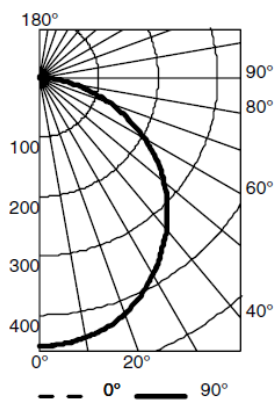
**JSF 5IN 27K**, 2700K LEDs, input watts: 9.72, delivered lumens: 727, LM/W = 74.8, test no. ISF 33599, tested in accordance to IESNA LM-79.



**JSF 7IN 27K**, 2700K LEDs, input watts: 12.8, delivered lumens: 1060, LM/W = 82.8, test no. ISF 33600, tested in accordance to IESNA LM-79.



**JSF 11IN 27K**, 2700K LEDs, input watts: 15 delivered lumens: 1305, LM/W = 85.9, test no. ISF 33661, tested in accordance to IESNA LM-79.

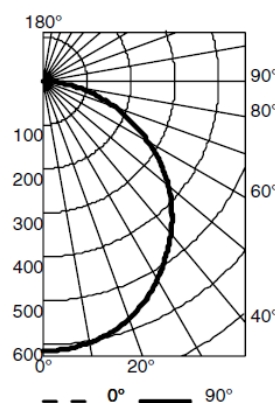


CP Summary		
	0°	90°
0°	451	451
5°	450	450
15°	435	436
25°	404	405
35°	357	358
45°	305	304
55°	239	241
65°	164	165
75°	90	89
85°	25	25
90°	1	1

Coefficients of Utilization											
pc	pw	80%			70%			50%			RCR
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
0	119	119	119	116	116	116	111	111	111	111	
1	109	104	99	101	97	94	97	94	91		
2	99	90	83	88	82	77	85	79	75		
3	90	79	71	77	70	64	74	68	62		
4	82	70	61	69	60	54	66	59	53		
5	75	62	53	61	53	46	59	52	46		
6	70	56	47	55	47	40	53	46	40		
7	65	51	42	50	42	36	49	41	35		
8	60	46	38	46	38	32	44	37	32		
9	56	43	34	42	34	29	41	34	28		
10	53	39	31	39	31	26	38	31	26		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	352	26.9	26.9
0° - 40°	575	44.1	44.1
0° - 60°	1021	78.3	78.3
0° - 90°	1305	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	1305	100.0	100.0

**JSF 13IN 27K, 2700K** LEDs, input watts: 20.2, delivered lumens: 1779, LM/W = 88, test no. ISF 33663, tested in accordance to IESNA LM-79.



CP Summary		
	0°	90°
0°	613	613
5°	611	612
15°	592	593
25°	550	550
35°	486	486
45°	413	414
55°	327	327
65°	225	225
75°	122	122
85°	34	34
90°	1	1

Coefficients of Utilization											
pc	pw	80%			70%			50%			RCR
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
0	119	119	119	116	116	116	111	111	111	111	
1	109	104	99	101	97	94	97	94	91		
2	99	90	83	88	82	76	85	79	75		
3	90	79	71	77	70	64	74	68	62		
4	82	70	61	69	60	54	66	59	53		
5	75	62	53	61	53	46	59	52	46		
6	70	56	47	55	47	40	53	46	40		
7	65	51	42	50	42	36	48	41	35		
8	60	46	38	46	37	32	44	37	32		
9	56	43	34	42	34	29	41	34	28		
10	53	39	31	39	31	26	38	31	26		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	478	26.9	26.9
0° - 40°	782	44.0	44.0
0° - 60°	1390	78.2	78.2
0° - 90°	1778	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	1779	100.0	100.0

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

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## Documents / Resources

	<a href="#">juno JSF Series SlimForm LED Surface Mount Downlights</a> [pdf] Instruction Manual JSF 5IN, JSF 7IN, JSF 11IN, JSF 13IN, JSF Series SlimForm LED Surface Mount Downlights, SlimForm LED Surface Mount Downlights, LED Surface Mount Downlights, Downlights
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## References

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