

# LED RETROFIT DOWNLIGHT

SMOOTH BAFFLE | ROUND



**ROUND 5"/6" DOWNLIGHTS  
WITH WHITE TRIM**

**90 CRI FOR HIGH QUALITY  
LIGHTING**

**E26 ADAPTER INCLUDED**

**WET LOCATION RATED**

**SUGGESTED APPLICATIONS**

- Indoor Residential
- Multifamily
- Living Spaces
- Bathrooms
- Bedrooms
- Kitchens
- Basements

Elevate your lighting with SATCO|NUVO's LED Retrofit Downlights, designed with impeccable color rendering. These retrofits include an E26 adapter making them the perfect upgrade to replace existing screw base lamps in downlight applications. Featuring a smooth baffle design and offered in multiple single color temperature options these retrofit downlights will illuminate your kitchens, bathrooms, bedrooms, and living spaces with ease and elegance.



**GENERAL SPECIFICATIONS**

**Input Current, Frequency:** 120V, 60Hz  
**Power Factor:** >0.9  
**Dimmable:** Phase-Cut Dimmable Down to 10%  
**CRI:** 90  
**Functional Life:** 35,000 Hours  
**Location Rating:** Wet  
**Shape:** Round  
**Size:** 5"/6"

**IC Rated:** Yes  
**Ambient Operating Temperature:** -20°C (-4°F) to +45°C (+113°F)  
**Material:** Die-Cast Aluminum  
**Lens Material:** Polycarbonate  
**Finish:** White  
**Base:** E26 Adapter Included

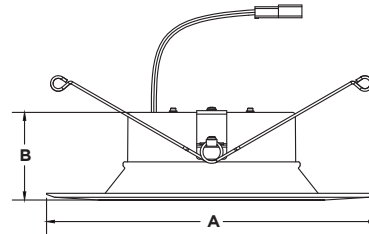
**ITEM SPECIFICATIONS / ORDER INFO**



Item	Wattage	Incandescent Replacement Wattage	CCT	Lumens	Efficacy	Beam Angle	Input Current
S39312	7.2W	65W	2700K	650	90 LPW	90°	0.06A
S39313	7.2W	65W	3000K	650	90 LPW	90°	0.06A
S39314	7.2W	65W	4000K	650	90 LPW	90°	0.06A
S39315	7.2W	65W	5000K	650	90 LPW	90°	0.06A
S11642	12.5W	75W	2700K	900	72 LPW	100°	0.10A
S11643	12.5W	75W	3000K	900	72 LPW	100°	0.10A
S11644	12.5W	75W	4000K	900	72 LPW	100°	0.10A
S11645	12.5W	75W	5000K	900	72 LPW	100°	0.10A

**DIMENSIONS/WEIGHTS**

Wattage	Diameter (A)	Height (B)	Weight
7.2W	7.40"	2.30"	0.43 Lbs.
12.5W	7.36"	1.97"	0.60 Lbs.



**OPTIONAL ACCESSORIES (SOLD SEPARATELY)**

Item	Description
80-2676	PRESSURE BRACKETS FOR USE WITH S39312-S39315
80-982	5" CAN / NEW CONSTRUCTION
80-983	5" CAN / REMODEL



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Fixture may not be compatible with all dimmers.

Replacement wattage shown depends on application and fixture. Specifications are subject to change without prior notice.

**PHOTOMETRICS**

**SATCO Item: S39312**

Description: 7.2WLED/RDL/5-6/927/120V

Lumens: 720 LM  
Watts: 7.5 W  
Efficacy: 96 LPW  
Beam Angle: 97°  
Spacing Criteria (0°-180°): 1.19  
Spacing Criteria (90°-270°): 1.19

Zone	Lumens	% Luminaire
0-30°	237	32.9%
0-40°	380	52.8%
0-60°	623	86.5%
0-90°	719	99.9%
90-180°	1	0.1%
0-180°	720	100.0%

Distance	FC Center Beam	Beam Spread
4 ft	19.57 fc	9.1 ft
6 ft	8.70 fc	13.6 ft
8 ft	4.89 fc	18.2 ft
10 ft	3.13 fc	22.7 ft
12 ft	2.17 fc	27.2 ft

**SATCO Item: S39313**

Description: 7.2WLED/RDL/5-6/930/120V

Lumens: 760 LM  
Watts: 7.5 W  
Efficacy: 101 LPW  
Beam Angle: 97°  
Spacing Criteria (0°-180°): 1.19  
Spacing Criteria (90°-270°): 1.19

Zone	Lumens	% Luminaire
0-30°	250	32.9%
0-40°	401	52.8%
0-60°	657	86.4%
0-90°	760	100.0%
90-180°	0	0.0%
0-180°	760	100.0%

Distance	FC Center Beam	Beam Spread
4 ft	20.65 fc	9.1 ft
6 ft	9.18 fc	13.6 ft
8 ft	5.16 fc	18.2 ft
10 ft	3.30 fc	22.7 ft
12 ft	2.29 fc	27.2 ft

**PHOTOMETRICS**

**SATCO Item: S39314**

Description: 7.2WLED/RDL/5-6/940/120V

Lumens: 779 LM  
Watts: 7.5 W  
Efficacy: 104 LPW  
Beam Angle: 97°  
Spacing Criteria (0°-180°): 1.19  
Spacing Criteria (90°-270°): 1.19

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30°	256	32.9%
0-40°	411	52.8%
0-60°	674	86.5%
0-90°	779	100.0%
90-180°	0	0.0%
0-180°	779	100.0%

**Candela Polar Plot**

Illumination at Distance		
Distance	FC Center Beam	Beam Spread
4 ft	21.17 fc	9.1 ft
6 ft	9.41 fc	13.6 ft
8 ft	5.29 fc	18.2 ft
10 ft	3.39 fc	22.7 ft
12 ft	2.35 fc	27.2 ft

**SATCO Item: S39315**

Description: 7.2WLED/RDL/5-6/950/120V

Lumens: 796 LM  
Watts: 7.5 W  
Efficacy: 106 LPW  
Beam Angle: 97°  
Spacing Criteria (0°-180°): 1.19  
Spacing Criteria (90°-270°): 1.19

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30°	262	32.9%
0-40°	420	52.8%
0-60°	689	86.6%
0-90°	796	100.0%
90-180°	0	0.0%
0-180°	796	100.0%

**Candela Polar Plot**

Illumination at Distance		
Distance	FC Center Beam	Beam Spread
4 ft	21.64 fc	9.1 ft
6 ft	9.62 fc	13.6 ft
8 ft	5.41 fc	18.2 ft
10 ft	3.46 fc	22.7 ft
12 ft	2.40 fc	27.2 ft

**PHOTOMETRICS**

**SATCO Item: S11642**

Description: 12.5WLED/RDL/5-6/927/120V

Lumens: 909 LM  
Watts: 11.9 W  
Efficacy: 76 LPW  
Beam Angle: 95°  
Spacing Criteria (0°-180°): 1.16  
Spacing Criteria (90°-270°): 1.20

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30°	308	33.9%
0-40°	493	54.2%
0-60°	794	87.3%
0-90°	907	99.8%
90-180°	2	0.2%
0-180°	909	100.0%

Illumination at Distance			
Distance	FC Center Beam	/	Beam Spread
4 ft	25.15 fc	/	8.8 ft
6 ft	11.18 fc	/	13.2 ft
8 ft	6.29 fc	/	17.6 ft
10 ft	4.02 fc	/	22.0 ft
12 ft	2.79 fc	/	26.4 ft

**SATCO Item: S11643**

Description: 12.5WLED/RDL/5-6/930/120V

Lumens: 916 LM  
Watts: 11.9 W  
Efficacy: 77 LPW  
Beam Angle: 96°  
Spacing Criteria (0°-180°): 1.15  
Spacing Criteria (90°-270°): 1.22

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30°	315	34.4%
0-40°	505	55.1%
0-60°	806	88.0%
0-90°	914	99.8%
90-180°	2	0.2%
0-180°	916	100.0%

Illumination at Distance			
Distance	FC Center Beam	/	Beam Spread
4 ft	25.79 fc	/	8.9 ft
6 ft	11.46 fc	/	13.3 ft
8 ft	6.45 fc	/	17.8 ft
10 ft	4.13 fc	/	22.2 ft
12 ft	2.87 fc	/	26.6 ft

**PHOTOMETRICS**

**SATCO Item: S11644**

Description: 12.5WLED/RDL/5-6/940/120V

Lumens: 1037 LM  
Watts: 11.9 W  
Efficacy: 87 LPW  
Beam Angle: 95°  
Spacing Criteria (0°-180°): 1.16  
Spacing Criteria (90°-270°): 1.22

Zone	Lumens	% Luminaire
0-30°	355	34.3%
0-40°	569	54.9%
0-60°	911	87.9%
0-90°	1034	99.8%
90-180°	2	0.2%
0-180°	1036	100.0%

Distance	FC Center Beam	Beam Spread
4 ft	28.99 fc	8.8 ft
6 ft	12.88 fc	13.2 ft
8 ft	7.25 fc	17.6 ft
10 ft	4.64 fc	22.0 ft
12 ft	3.22 fc	26.3 ft

**SATCO Item: S11645**

Description: 12.5WLED/RDL/5-6/950/120V

Lumens: 977 LM  
Watts: 11.9 W  
Efficacy: 82 LPW  
Beam Angle: 95°  
Spacing Criteria (0°-180°): 1.15  
Spacing Criteria (90°-270°): 1.20

Zone	Lumens	% Luminaire
0-30°	331	33.9%
0-40°	530	54.2%
0-60°	853	87.3%
0-90°	975	99.8%
90-180°	2	0.2%
0-180°	977	100.0%

Distance	FC Center Beam	Beam Spread
4 ft	27.12 fc	8.8 ft
6 ft	12.06 fc	13.2 ft
8 ft	6.78 fc	17.6 ft
10 ft	4.34 fc	21.9 ft
12 ft	3.01 fc	26.3 ft