



**FIRE RATED UP TO 2 HOURS**

**RED PAINTED BACKPLATE  
FOR EASY IDENTIFICATION**

**120V AND 120V-277V MODELS  
AVAILABLE**

**FLAT LENS AND STEPPED  
BAFFLE TRIMS AVAILABLE IN  
4" AND 6" CONFIGURATIONS**

**NEC COMPLIANT JUNCTION BOX**

**SUGGESTED APPLICATIONS**

Residential  
Multi-family  
Commercial  
Hospitality  
Offices

# LED FIRE RATED SLIM FIT DOWNLIGHTS

REMOTE DRIVER | CCT SELECTABLE



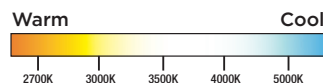
Flat Lens



Stepped Baffle



**ColorQuick®**  
Selectable Color Technology



SATCO|NUVO's Fire Rated Recessed Downlights are engineered for use in fire-resistant ceiling construction and are certified for 2-hour fire protection when installed in most floor-ceiling assemblies, including UL Designs L505, L511, L536, L538, L541, L556, L577, M500, M510, M521, and M543. These low-profile luminaires feature a slim housing compatible with fire-rated ceiling assemblies up to 2 3/8" thick, along with a red-painted back housing for rapid identification during inspections. Designed to deliver consistent, high-quality illumination with integrated fire-safety performance, these downlights support residential, multi-family, and commercial installations.



## GENERAL SPECIFICATIONS

**Power Factor:** >0.9  
**THD:** <20%  
**Dimmable:** Down to 10%  
**Efficacy:** Up to 84 LPW  
**CRI:** 90+  
**CCT Selectable:** 2700K/3000K/3500K/4000K/5000K  
**Beam Angle:** 110°  
**Ambient Operating Temperature:** -20°C (-4°F) to +40°C (+104°F)  
**Location Rating:** Wet  
**2HR Fire Rated:** Tested to comply with UL 263/ASTM E119/CAN-ULC S101-07

**Suitable for Bathroom Applications:** Yes  
**IC Rated:** Yes  
**Airtight:** Yes  
**Back Plate Color :** Red  
**Trim Finish:** White  
**Construction:** Steel  
**Lens Construction:** Frosted Polycarbonate  
**Functional Life:** 50,000 Hours  
**Warranty:** 5 Years



## ITEM SPECIFICATIONS / ORDER INFO

Item	Size	Trim Style	Lumens	Wattage	Incandescent Replacement Wattage	Voltage	Dimming	Input Current	Frequency	Case Quantity
S11864R1	4"	Flat Lens	820	10W	60W	120V	Phase-Cut	0.08A	60Hz	6
S11865R1	4"	Stepped Baffle	820	10W	60W	120V	Phase-Cut	0.08A	60Hz	6
S11866R1	6"	Flat Lens	1100	13W	75W	120V	Phase-Cut	0.11A	60Hz	6
S11867R1	6"	Stepped Baffle	1100	13W	75W	120V	Phase-Cut	0.11A	60Hz	6
S11868R1	4"	Flat Lens	820	10W	60W	120V-277V	0-10V	0.08-0.04A	50/60Hz	6
S11869R1	6"	Flat Lens	1100	13W	75W	120V-277V	0-10V	0.11-0.05A	50/60Hz	6

## OPTIONAL ACCESSORIES (SOLD SEPARATELY)

Item	Description	
80-865	DL NC Plate 4" RD Flat ASYM	
80-866	DL NC Plate 6" RD Flat ASYM	
80-867	DL NC Plate 3.5/4/6/8 RD Flat	
80-943	DL NC Plate 4" RD Hang Bars	
80-944	DL NC Plate 6" RD Hang Bars	
80-950	DL NC Plate 4" RD Flat	
80-987	EM Remote TS Plate	

Item	Description	
80-946	Goof Ring 4" - Direct Wire DL	
80-947	Goof Ring 6" - Direct Wire DL	
S8000	5W Emergency LED Driver	
S8002	10W Emergency LED Driver	
80-973	Emergency Driver Enclosure	
80-997	DL NC Plate Hanger Bar Kit	
80-985	Remote Driver 6' EXT CAB 3-PIN	

Specifications are subject to change without prior notice.

Replacement wattage shown depends on application and fixture.

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.

**WARNING:** This product can expose you to chemicals including Lead which is known to the State of California to cause cancer, or birth defects, or other reproductive harm. For more information, go to <http://www.P65Warnings.ca.gov>.

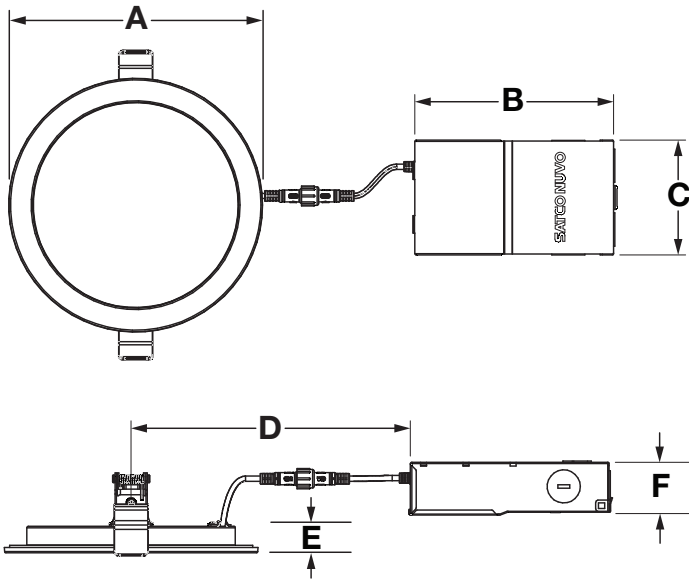
Meets requirements of ICES-005 issue 5 class B for use in residential applications.

Visit [satco.com/service/warranty](http://satco.com/service/warranty) for complete warranty details.

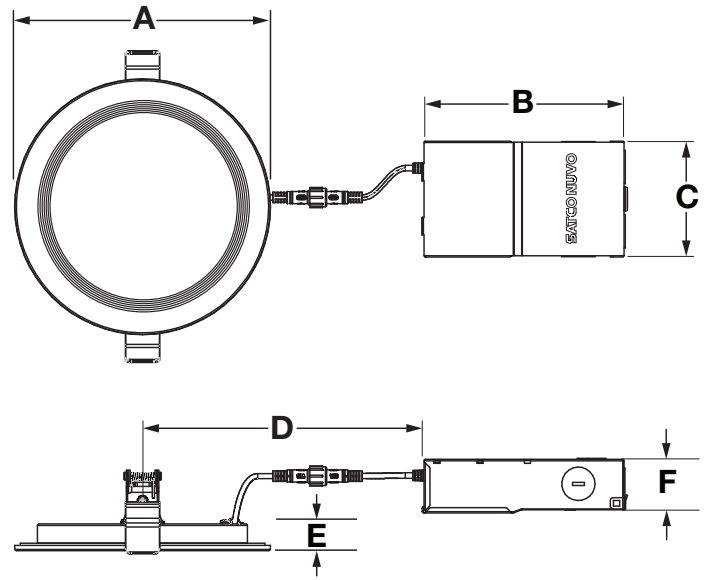
## DIMENSIONS / WEIGHTS

Item	Trim Style	Diameter (A)	Driver Length (B)	Driver Width (C)	Cable Length (D)	Fixture Height (E)	Driver Height (F)	Weight
S11864R1	Flat Lens	4.75"	5.31"	3.07"	16.00"	0.88"	1.42"	1.03 Lbs.
S11865R1	Step Baffle	4.75"	5.31"	3.07"	16.00"	0.88"	1.42"	1.03 Lbs.
S11866R1	Flat Lens	6.79"	5.31"	3.07"	16.00"	0.88"	1.42"	1.39 Lbs.
S11867R1	Step Baffle	6.79"	5.31"	3.07"	16.00"	0.88"	1.42"	1.39 Lbs.
S11868R1	Flat Lens	4.75"	6.64"	3.86"	16.00"	0.88"	1.48"	1.49 Lbs.
S11869R1	Flat Lens	6.79"	6.64"	3.86"	16.00"	0.88"	1.48"	1.82 Lbs.

### FLAT LENS MODELS





### STEP BAFFLE MODELS





## PHOTOMETRICS

SATCO Item: S11864R1	Zonal Lumens			Candela Polar Plot	Illumination at Distance
	Zone	Lumens	%Luminaire		
	0-30°	243	28.5%		
	0-40°	395	46.1%		
	0-60°	683	79.8%		
	0-90°	855	100.0%		
	90-180°	0	0.0%		
	0-180°	855	100.0%		
	Lumen Multiplier				
	2700K	3000K	3500K		
1.00 1.05 1.09 1.09 1.03					
Description: 10WLED/4/FR/CCT/SLF/RD/FL/RND					
ColorQuick Setting: 2700K					
855 LM, 9.94 W, 86 LPW					
Beam Angle: 107°					
Field Angle: 160°					
Spacing Criteria (0°-180°): 1.21					
Spacing Criteria (90°-270°): 1.22					

<b>SATCO Item: S11865R1</b>  Description: 10WLED/4/FR/CCT/SLF/RD/STB/RND ColorQuick Setting: 2700K 823 LM, 9.97 W, 83 LPW Beam Angle: 110° Field Angle: 158° Spacing Criteria (0°-180°): 1.24 Spacing Criteria (90°-270°): 1.25	Zonal Lumens			<b>Candela Polar Plot</b>   Max Candela = 302	<b>Illumination at Distance</b>	
	Zone	Lumens	%Luminaire		Distance	Center Beam / Beam Spread
	0-30°	233	28.5%		4ft	19fc / 11.4ft
	0-40°	380	46.1%		6ft	8fc / 17.0ft
	0-60°	665	79.8%		8ft	5fc / 22.7ft
	0-90°	823	100.0%		10ft	3fc / 28.4ft
	90-180°	0	0.0%		12ft	2fc / 34.1ft
	0-180°	823	100.0%			
	Lumen Multiplier					
	2700K	3000K	3500K		4000K	5000K
1.00	1.05	1.10	1.10	1.05		

SATCO Item: S11866R1	Zonal Lumens			Candela Polar Plot	Illumination at Distance	
Description: 13WLED/6/FR/CCT/SLF/RD/FL/RND ColorQuick Setting: 2700K 1159 LM, 12.70 W, 91 LPW Beam Angle: 108° Field Angle: 161° Spacing Criteria (0°-180°): 1.22 Spacing Criteria (90°-270°): 1.22	Zone	Lumens	%Luminaire	 Max Candela = 426	Distance	Center Beam / Beam Spread
	0-30°	326	28.2%		4ft	27fc / 11.0ft
	0-40°	529	45.6%		6ft	12fc / 16.4ft
	0-60°	918	79.2%		8ft	7fc / 21.9ft
	0-90°	1159	100.0%		10ft	4fc / 27.4ft
	90-180°	0	0.0%		12ft	3fc / 32.9ft
	0-180°	1159	100.0%			
Lumen Multiplier						
2700K	3000K	3500K	4000K	5000K		
1.00	1.03	1.07	1.06	1.02		

<b>SATCO Item: S11867R1</b>  Description: 13WLED/6/FR/CCT/SLF/RD/STB/RND ColorQuick Setting: 2700K 1158 LM, 12.80 W, 91 LPW Beam Angle: 111° Field Angle: 159°  Spacing Criteria (0°-180°): 1.25 Spacing Criteria (90°-270°): 1.25	<b>Zonal Lumens</b>			<b>Candela Polar Plot</b>   Max Candela = 417	<b>Illumination at Distance</b>  
	Zone	Lumens	%Luminaire		
	0-30°	323	27.9%		
	0-40°	527	45.5%		
	0-60°	925	79.9%		
	0-90°	1158	100.0%		
	90-180°	0	0.0%		
	0-180°	1158	100.0%		
	<b>Lumen Multiplier</b>				
	2700K	3000K	3500K		
1.00	1.04	1.07	1.07	1.02	



## PHOTOMETRICS

SATCO Item: S11868R1	Zonal Lumens			Candela Polar Plot	Illumination at Distance		
	Zone	Lumens	%Luminaire		Distance	Center Beam	Beam Spread
Description: 10WLED/4/CFR/CCT/SLF/RD/FL/RND ColorQuick Setting: 2700K 842 LM, 9.89 W, 85 LPW Beam Angle: 107° Field Angle: 160° Spacing Criteria (0°-180°): 1.21 Spacing Criteria (90°-270°): 1.22	0-30°	239	28.4%	<p>Max Candela = 313</p>	4ft	20fc	10.9ft
	0-40°	388	46.0%		6ft	9fc	16.3ft
	0-60°	672	79.8%		8ft	5fc	21.7ft
	0-90°	842	100.0%		10ft	3fc	27.1ft
	90-180°	0	0.0%		12ft	2fc	32.6ft
	0-180°	842	100.0%				
<b>Lumen Multiplier</b> 2700K 3000K 3500K 4000K 5000K 1.00 1.06 1.10 1.08 1.02							

SATCO Item: S11869R1	Zonal Lumens			Candela Polar Plot	Illumination at Distance		
	Zone	Lumens	%Luminaire		Distance	Center Beam	Beam Spread
Description: 13WLED/6/CFR/CCT/SLF/RD/FL/RND ColorQuick Setting: 2700K 1147 LM, 12.20 W, 94 LPW Beam Angle: 108° Field Angle: 160° Spacing Criteria (0°-180°): 1.23 Spacing Criteria (90°-270°): 1.23	0-30°	323	28.2%	<p>Max Candela = 421</p>	4ft	26fc	11.0ft
	0-40°	525	45.6%		6ft	12fc	16.5ft
	0-60°	912	79.2%		8ft	7fc	22.0ft
	0-90°	1147	100.0%		10ft	4fc	27.5ft
	90-180°	0	0.0%		12ft	3fc	33.0ft
	0-180°	1147	100.0%				
<b>Lumen Multiplier</b> 2700K 3000K 3500K 4000K 5000K 1.00 1.04 1.08 1.07 1.03							