



PROJECT: _____
 QUANTITY: _____ TYPE: _____



4" SQUARE DEEP DOWNLIGHT N-LINE WILDLIFE FRIENDLY

UNIVERSAL HOUSINGS WITH INTERCHANGEABLE TRIMS

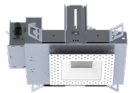
Spectrum's Enduro 4" recessed square downlight series features a trim and variety of options for accent and general illumination.



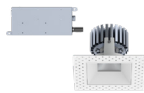
LUMENS AND WATTAGE CHART					
PART NUMBER	LUMENS	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SDD4N	TA5L	500	445	15.8	28
SDD4N	TD10L	1000	722	15.9	45

AVAILABLE HOUSING TYPES

SS4NMO - New Construction



SS4NMNR - Remodel Construction



Shown with N-Line Plaster Fitter

FIXTURE HOUSING SPECIFICATION

SERIES		LUMENS ¹	DRIVER / DIMMING / VOLTAGE		OPTIONS		MOUNTING	
SS4NMO	New Construction	AMBER ONLY ²	DO10_	1%, 0-10V	1	EB	Black Housing Consult Factory	H12⁶
	TA5L	500 Lm Amber Only						
SS4NMNR	Remodel Construction	DUAL CIRCUIT ³	DS2W_	ELV/MLV, 120V	1			BH27
	TD10L	CIR 1 1000 Lm at 3000K CIR 2 500 Lm Amber Only						

- Full Shielding.
- Die-cast aluminum trim with a wide variety of options.
- Deep regressed trim.
- Universal housing accepts all trim types, including F-Line self-flange
- 5 year warranty on fixture and electronics.
- Sustainable fixture.

AVAILABLE TRIM / MODULE TYPES

SDD4N



TRIM / MODULE SPECIFICATION

TRIM		CCT	FINISH		LENS ⁹		OPTIONS	
SDD4N	Downlight	AMBER ONLY ²	MW⁷	Matte White	SO⁹	Micro Prism Solite™ Lens	PR⁸	Consult Factory
		TA5LAMB						
		DUAL CIRCUIT ³	PT	Platinum Silver				
		TD10L30K	BZ	Bronze				
		CIR 1 1000 Lm at 3000K	CH	Charcoal				
		CIR 2 500 Lm Amber Only	OB	Oil Rubbed Bronze				
			AS	Sapphire				
			AM	Malachite				
			SN	Sun Gold				
			CO	Copper Metallic				
			GH	Graphite				
			CC⁸	Custom Color				

EXAMPLE: SS4NMOTA5LDS2W1/H12/SDD4NTA5LAMBWWSO

EXAMPLE: SS4NMOTD10LDS2W1/H12/SDD4NTD10L30KMWSO

NOTES:

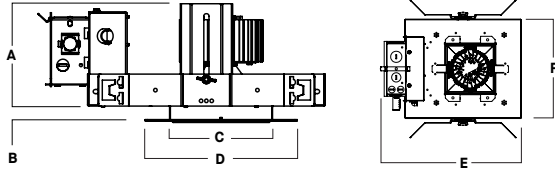
1 Nominal Source Lumens 2 Nominal Delivered Lumens 3 Specify with TA Only 4 Specify with TD Only, TD/Dual Circuit Option Requires Dedicated on Site Controls by Others, Controls by Others Are Not to Allow Both Circuits to be Energized Simultaneously, Consult Factory for More Information 5 Contact Factory 6 Standard Bar Hangers 7 Standard Finish 8 Contact Factory for Special Finishes 9 Lens is Required 10 Standard Lens



HOUSING DIMENSIONS

SS4NMO - NEW CONSTRUCTION

Non-IC rated, thermally protected frame-in kit for new construction. Non-IC designation requires insulation must be minimum of 3" from housing.



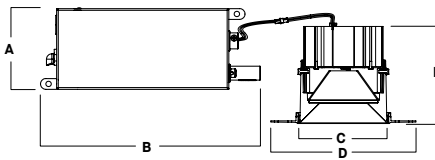
A	B	C	D	E	F
4.8	.625	4.3	.71	13.1	9.5
121.9 mm	15.2 mm	109.2 mm	180.3 mm	332.7 mm	241.3 mm

Fixture Weight: 7 lbs

Ceiling Cutout: 5" Sq

SS4NMR - REMODEL CONSTRUCTION

Non-IC rated frame-in kit for existing construction. Non-IC designation requires insulation must be minimum of 3" from housing.



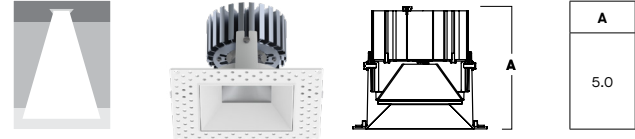
A	B	C	D	E
3.8	10.2	4.3	.71	5.0
96.5 mm	259.1 mm	109.2 mm	180.3 mm	127.0 mm

Fixture Weight: 5 lbs

Ceiling Cutout: 5" Sq

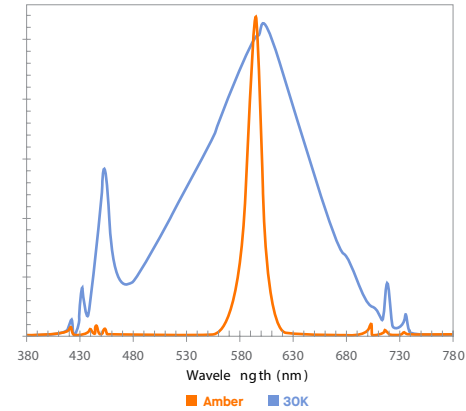
TRIM / MODULE DATA

SDD4F - DOWNLIGHT MODULE



A
5.0

SPECTRAL POWER DISTRIBUTION COMPARISON



FEATURES

FRAME-IN KIT

Precision Die-formed 20 gauge galvanized steel housing and integral junction box with (3) 5/8", (3) 7/8" and (2) 1 1/8" knockouts. Junction box capacity: 8 12AWG rated for 90 °C. Tool-less driver and junction box access for ease of maintenance. Posi-loc trim retention springs for 5/8"-1" ceiling thickness.

MOUNTING

A variety of mounting bars are available (excluding remodel). Ceiling materials must be rigid to support luminaire frame.

TRIM

Flangeless, one-piece, die-cast aluminum finished in a variety of powdercoat options. Designed for wet location. Trim option for trimless plaster. For self-flange options see F-Line.

REMODEL

Features tethered power supply and junction box with sheathed wire.

ELECTRONICS

Full shielding. Single circuit, amber only option is available. Amber LEDs are monochromatic, narrow spectral bandwidth that only emit long wavelengths >560 nm and <625 nm. Proprietary 2-circuit LED system: Circuit 1 is 3000K at 1000 lumens, Circuit 2 is Amber only at 500 lumens. 3000K white light is 3-step MacAdam Ellipse binning, with 80+ CRI.

EMERGENCY

Contact Factory.

COLOR VARIATION

Standard CRI (80) within 3-step MacAdam Ellipse.

LISTINGS

ETL Certified to meet US and Canadian Standards. Manufactured and tested to UL standard No. 1598/8750. BAA compliant. Suitable for wet locations. International Dark-Sky Association approved fixture.

WARRANTY

Fixtures, LEDs and drivers carry 5 year Spectrum warranty, as well as individual OEM warranty. Warranty is 5 years from date of manufacturing. LED system rated for operation in an ambient temperatures up to 25 °C.



PHOTOMETRIC DATA - 4" SQUARE DEEP DOWNLIGHT

SS4Mx TA5L xx xx SDD4x TA5LAMB xx xx SO

CANDLEPOWER CURVE TEST SP-01345_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0° - 10°	25	6%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5		
	0°	255	0° - 10°	25	6%	5.5'	8 fc	8.6'	2 fc	9'	6'	12	0.54	7	0.37
	5°	252	0° - 20°	92	21%	6.5'	6 fc	10.2'	1 fc	12'	8'	6	0.25	3	0.18
	15°	240	0° - 30°	184	41%	7.5'	5 fc	11.7'	1 fc	16'	12'	3	0.13	2	0.09
	25°	206	0° - 40°	269	61%	8.5'	4 fc	13.3'	1 fc	Delivered Illuminance Rating: (DIR) 23 FC per W/Sq. Ft. 19 FC per W/Sq. Ft.					
	35°	146	0° - 60°	370	83%	10.0'	3 fc	15.6'	1 fc	Recessed mounting Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 2.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 2.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45°	89	0° - 80°	414	93%	12.0'	2 fc	18.7'	0 fc						
	55°	51	0° - 90°	431	97%	14.0'	1 fc	21.9'	0 fc						
	90°	15	Total	445	100%	16.0'	1 fc	25.0'	0 fc						

Delivered Lumens: 445
Luminaire Watts: 15.8
LER: 28.16

CP at 0° (Nadir): 255

Beam Angle: 76°
Spacing Ratio: 1.07

Lumen Multiplier: N/A
CCT Multiplier: N/A

CR: N/A, Amber Light

SS4Mx TD10L xx xx RDD4x TD10L30K xx xx SO

CANDLEPOWER CURVE TEST SP-01346_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0° - 10°	44	6%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5		
	0°	442	0° - 10°	44	6%	5.5'	15 fc	8.3'	4 fc	9'	6'	21	0.54	12	0.38
	5°	444	0° - 20°	162	22%	6.5'	10 fc	9.8'	3 fc	12'	8'	10	0.25	6	0.18
	15°	427	0° - 30°	322	45%	7.5'	8 fc	11.4'	2 fc	16'	12'	5	0.13	3	0.09
	25°	367	0° - 40°	468	65%	8.5'	6 fc	12.9'	2 fc	Delivered Illuminance Rating: (DIR) 38 FC per W/Sq. Ft. 32 FC per W/Sq. Ft.					
	35°	248	0° - 60°	629	87%	10.0'	4 fc	15.1'	1 fc	Recessed mounting Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 2.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 2.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	45°	140	0° - 80°	689	95%	12.0'	3 fc	18.2'	1 fc						
	55°	81	0° - 90°	708	98%	14.0'	2 fc	21.2'	1 fc						
	90°	22	Total	722	100%	16.0'	2 fc	24.2'	0 fc						

Delivered Lumens: 722
Luminaire Watts: 15.9
LER: 45.41

CP at 0° (Nadir): 442

Beam Angle: 74°
Spacing Ratio: 1.09

Lumen Multiplier: only 10L available
CCT Multiplier: only 30K available

CR: 80

See Page 1 for System Watts for all outputs



PHOTOMETRIC DATA - 4" SQUARE DEEP DOWNLIGHT

SS4Mx TA5L xx xx SDD4x TA5LAMB xx xx GL

CANDLEPOWER CURVE TEST SP-01345_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT								
		0° - 10°	25	6%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5			
	0°	247	0° - 10°	25	6%	5.5'	8 fc	8.8'	2 fc	9'	6'	7	0.30	7	0.37	
	5°	247	0° - 20°	91	21%	6.5'	6 fc	10.4'	1 fc	12'	8'	6	0.25	3	0.18	
	15°	239	0° - 30°	183	43%	7.5'	4 fc	12.0'	1 fc	16'	12'	3	0.13	2	0.09	
	25°	212	0° - 40°	270	64%	8.5'	3 fc	13.6'	1 fc	Delivered Illuminance Rating: (DIR) 22 FC per W/Sq. Ft. 19 FC per W/Sq. Ft.						
	35°	153	0° - 60°	358	85%	10.0'	2 fc	16.0'	1 fc	Recessed mounting Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 2.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 2.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor						
	45°	82	0° - 80°	395	93%	12.0'	2 fc	19.2'	0 fc							
	55°	42	0° - 90°	410	97%	14.0'	1 fc	22.4'	0 fc							
	90°	12	Total	424	100%	16.0'	1 fc	25.6'	0 fc							
	Delivered Lumens: 424 CP at 0° (Nadir): 247 Beam Angle: 77° Lumen Multiplier: N/A Luminaire Watts: 15.8 Spacing Ratio: 1.13 CCT Multiplier: N/A LER: 26.84 CR1: N/A, Amber Light															

SS4Mx TD10L xx xx SDD4x TD10L30K xx xx GL

CANDLEPOWER CURVE TEST SP-01346_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT								
		0° - 10°	44	6%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5			
	0°	433	0° - 10°	44	6%	5.5'	14 fc	8.5'	4 fc	9'	6'	20	0.54	12	0.38	
	5°	437	0° - 20°	161	23%	6.5'	10 fc	10.1'	3 fc	12'	8'	9	0.25	6	0.18	
	15°	422	0° - 30°	323	46%	7.5'	8 fc	11.6'	2 fc	16'	12'	5	0.13	3	0.09	
	25°	376	0° - 40°	471	68%	8.5'	6 fc	13.1'	1 fc	Delivered Illuminance Rating: (DIR) 37 FC per W/Sq. Ft. 31 FC per W/Sq. Ft.						
	35°	255	0° - 60°	617	89%	10.0'	4 fc	15.5'	1 fc	Recessed mounting Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 2.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 2.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor						
	45°	135	0° - 80°	666	96%	12.0'	3 fc	18.6'	1 fc							
	55°	66	0° - 90°	682	98%	14.0'	2 fc	21.7'	1 fc							
	90°	14	Total	696	100%	16.0'	2 fc	24.7'	0 fc							
	Delivered Lumens: 696 CP at 0° (Nadir): 433 Beam Angle: 75° Lumen Multiplier: only 10L available Luminaire Watts: 15.9 Spacing Ratio: 1.12 CCT Multiplier: only 30K available LER: 43.77 CR1: 80															

See Page 1 for System Watts for all outputs

