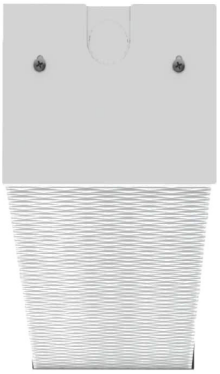
Stairview™

Surface Mount LED Lighting System

preciseLED
Precision Through Innovation

DESCRIPTION

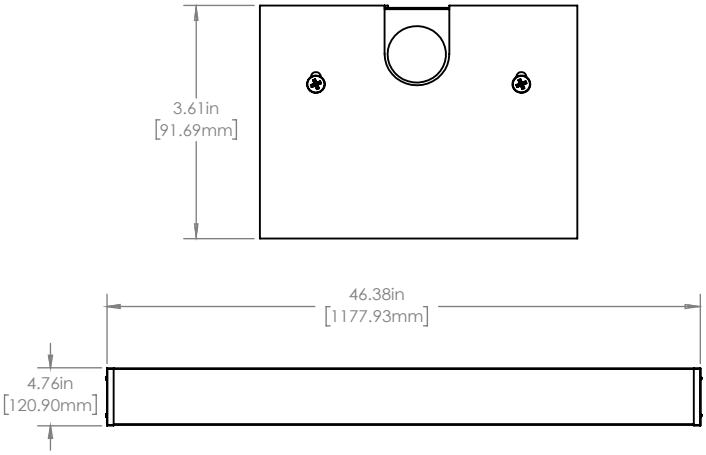
Stairview™ is setting the standard for reliable, functional lighting for stairways and back-of-house areas. With efficacy of 100-140 lm/W, it is one of the most efficient light sources available today. Available with sensor and emergency backup options.



SPECIFICATIONS

- Housing: Steel, commercial quality paint coating.
- Optic: PC Precision formed optical lens with options of clear lens and diffused lens.
- LED Chip: 2835 approved LM-80 SMD packing, color consistency over time.
- Input: 120-277 VAC 50/60Hz 0.3Amax
- Power Factor: >0.90
- Efficacy: 100-140 lm/W
- CRI: Ra>80
- Color Temperature: 3000K/4000K
- Driver Output: 26-42 VDC 0.60A (Constant Current)
- Dimensions: 46.38" L x 4.76" W x 3.61" H
- Protection Rating: IP20
- Function Optional: Motion Sensor, Emergency Pack
- LED life: 50,000h in 25°C ambient temperature
- Warranty: 5 Year
- Approvals: UL Listed c UL us Suitable for damp locations

DIMENSIONS



LUMEN OUTPUT PERFORMANCE TABLE

	Color Temperature	
Light Module	**3000K**	**4000K**
STVW-4-25W	2950 lm	3250 lm
STVW-4-40W	3990 lm	4400 lm

ORDERING CODE

Example: **STVW-4-25W-30K-2G-SM-CL**

Product	Light Module | Length | | Wattage |	Color Temperature	Version	Additional Options	Lens
STVW			**2G**		
STVW	**4-25W** Default | 4 Feet | | 25 Watts | **4-40W** Special Order | 4 Feet | | 40 Watts |	**30K** 3000K **40K** 4000K	**2G** 2nd Generation	**N/A** No Option **SN** Motion Sensor **EM** Emergency Pack **SN-EM** Motion Sensor &Emergency Pack	**CL** Clear Lens **DS** Diffused Lens

Model	Default	Sensor Activated	EM backup Activated
No Option	Mode A		
SN	Mode B	Mode A	
SN-EM	Mode B	Mode A	Mode C

Mode A
100 % Brightness

Mode B
20% Brightness

Mode C
15 % Brightness

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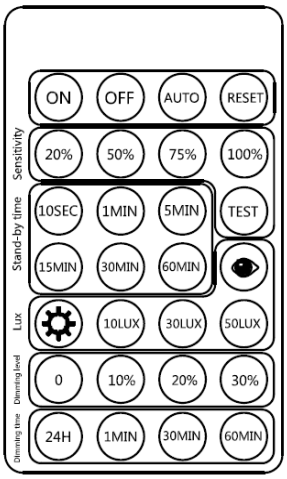
Setting by Remote Controller (Optional & Order Separately)



ON / OFF	ON= Mznual on, after delay time turns to "AUTO"mode OFF=manual off, after delay time turns to"AUTO"mode	TEST	
AUTO	Automatic ON/OFF	RESET	100% 5MIN ☼ 20% 60MIN
20% 50% 75% 100%	Detect area	10SEC 10MIN 20MIN 30MIN	Stand-by time before dimming
👁	Automatic reading and saving of the actual light level	☼ 10LUX 30LUX 50LUX	Preselected light values-10to ☼; Recommendation:rooms with daylight 50 0 lux, without daylight ☼;
	Dimming level	24H 1MIN 30MIN 60MIN	Dimming time

Dimenions	3.32”L x 2.01”W x 0.26”D
Battery Type	CR2025 x 1

Step 1: Press the reset button to switch to default settings(The light should switch off and on after every step).
Step 2: Adjust sensitivity to 50%.
Step 3: Control the stand-by time before dimming. The default time is set to 5 mins.
Step 4: Set the dimming level based on requirement.
Step 5: Adjust the dimming time. The default time is set to 60 mins.

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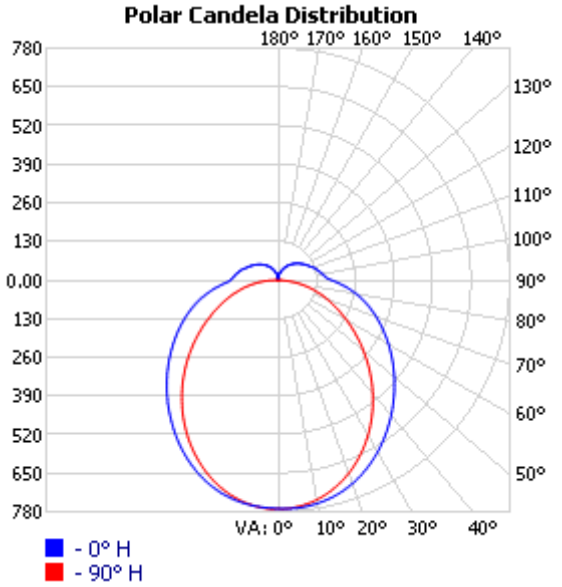
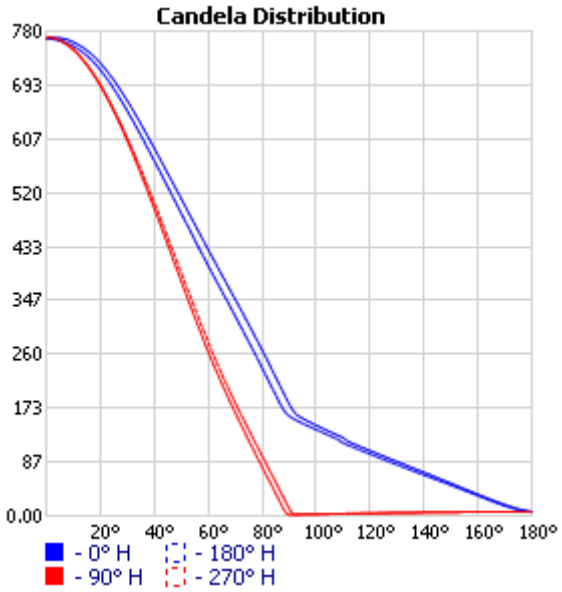
PHOTOMETRIC REPORT

STVW-4-25W-30K-2G





ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	591.3	19.9%	21.3%
0-40	962.1	32.3%	34.7%
0-60	1,706.0	57.3%	61.4%
60-90	699.1	23.5%	25.2%
70-100	492.4	16.5%	17.7%
90-120	246.8	8.3%	8.9%
0-90	2,405.1	80.8%	86.6%
90-180	371.2	12.5%	13.4%
0-180	2,776.3	93.3%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	72.7	2.6%	90-100	99.9	3.6%
10-20	207.4	7.5%	100-110	83.0	3%
20-30	311.2	11.2%	110-120	63.9	2.3%
30-40	370.8	13.4%	120-130	49.2	1.8%
40-50	384.7	13.9%	130-140	35.0	1.3%
50-60	359.2	12.9%	140-150	22.4	0.8%
60-70	306.6	11.0%	150-160	12.0	0.4%
70-80	237.9	8.6%	160-170	4.8	0.2%
80-90	154.6	5.6%	170-180	1.0	0%

ILLUMINANCE AT A DISTANCE

	CENTER BEAM	BEAM SPREAD(FT)		FIELD SPREAD(FT)	
HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
2.00	192.14 FC	4.8	8.1	26.0	4.0
4.00	48.03 FC	9.5	16.1	52.0	8.0
6.00	21.35 FC	14.3	24.2	78.0	12.0
8.00	12.01 FC	19.0	32.3	104.0	16.0
10.00	7.69 FC	23.8	40.4	129.9	20.0
12.00	5.34 FC	28.6	48.4	155.9	24.0
14.00	3.92 FC	33.3	56.5	181.9	28.0
16.00	3.00 FC	38.1	64.6	207.9	32.0
		BEAM ANGLE		FIELD ANGLE	
		99.9°	127.3°	162.5°	90.0°

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.08	1.08	1.08	1.08	1.04	1.04	1.04	.81	.97	.97	.97	.90	.90	.90	.84	.84	.84	.81
1	.97	.92	.87	.83	.93	.88	.84	.65	.82	.79	.75	.76	.73	.71	.71	.69	.67	.64
2	.87	.79	.72	.66	.84	.76	.70	.53	.71	.66	.61	.66	.62	.58	.61	.58	.55	.52
3	.79	.69	.61	.54	.76	.66	.59	.45	.62	.56	.51	.58	.52	.48	.54	.49	.46	.43
4	.72	.61	.52	.46	.69	.59	.51	.38	.55	.48	.43	.51	.45	.41	.48	.43	.39	.37
5	.67	.54	.46	.39	.64	.52	.44	.33	.49	.42	.37	.46	.40	.35	.43	.38	.34	.31
6	.61	.49	.40	.34	.59	.47	.39	.29	.44	.37	.32	.41	.35	.31	.39	.34	.30	.27
7	.57	.44	.36	.30	.54	.43	.35	.26	.40	.33	.28	.38	.32	.27	.35	.30	.26	.24
8	.53	.40	.32	.27	.51	.39	.31	.23	.37	.30	.25	.35	.29	.24	.33	.27	.23	.22
9	.49	.37	.29	.24	.47	.36	.28	.21	.34	.27	.23	.32	.26	.22	.30	.25	.21	.19
10	.46	.34	.26	.22	.44	.33	.26	.19	.31	.25	.21	.29	.24	.20	.28	.23	.19	.18

AVERAGE LUMINANCE (CD/M2)

	0	60	120	180	240	300	360
0	504	504	504	504	504	504	504
45	475	269	259	456	261	267	475
55	484	225	211	459	215	221	484
65	518	185	168	483	174	180	518
75	608	149	129	553	137	144	608
85	900	109	83	782	93	102	900

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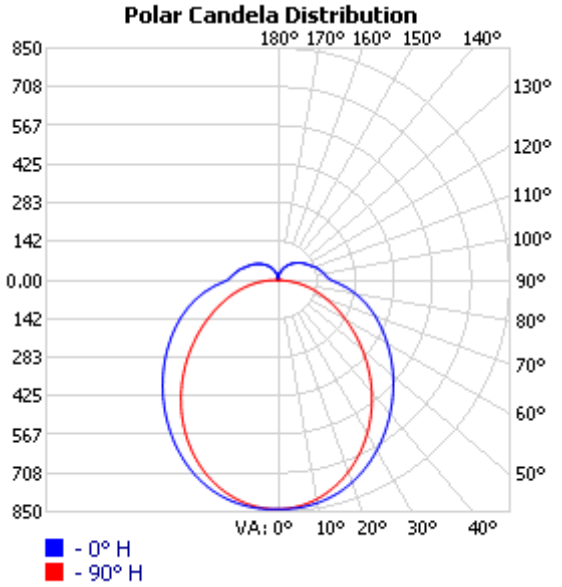
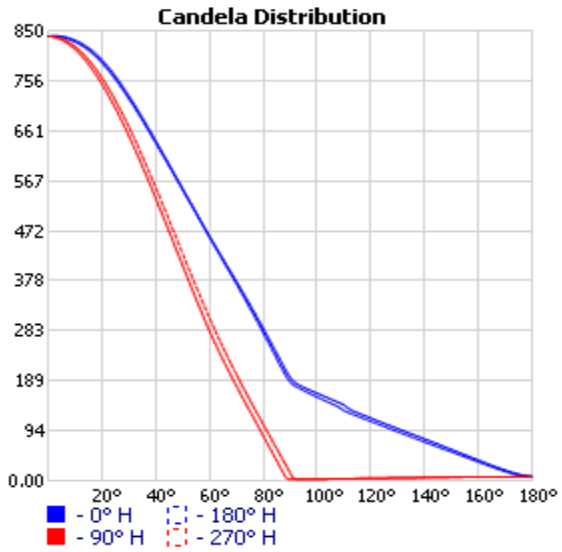
PHOTOMETRIC REPORT

STVW-4-25W-40K-2G





ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	646.8	19.8%	21.1%
0-40	1,053.3	32.2%	34.3%
0-60	1,870.8	57.2%	61%
60-90	777.8	23.8%	25.3%
70-100	552.0	16.9%	18%
90-120	280.6	8.6%	9.1%
0-90	2,648.6	81%	86.3%
90-180	420.2	12.9%	13.7%
0-180	3,068.8	93.9%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	79.5	2.6%	90-100	113.3	3.7%
10-20	226.8	7.4%	100-110	94.7	3.1%
20-30	340.5	11.1%	110-120	72.6	2.4%
30-40	406.5	13.2%	120-130	55.6	1.8%
40-50	422.3	13.8%	130-140	39.4	1.3%
50-60	395.2	12.9%	140-150	24.8	0.8%
60-70	339.1	11.0%	150-160	13.4	0.4%
70-80	265.1	8.6%	160-170	5.3	0.2%
80-90	173.5	5.7%	170-180	1.1	0%

ILLUMINANCE AT A DISTANCE

	CENTER BEAM	BEAM SPREAD(FT)		FIELD SPREAD(FT)	
HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
2.00	209.94 FC	4.8	8.5	26.4	4.2
4.00	52.49 FC	9.6	16.9	52.9	8.4
6.00	23.33 FC	14.3	25.4	79.3	12.5
8.00	13.12 FC	19.1	33.9	105.8	16.7
10.00	8.40 FC	23.9	42.4	132.2	20.9
12.00	5.83 FC	28.7	50.8	158.7	25.1
14.00	4.28 FC	33.4	59.3	185.1	29.2
16.00	3.28 FC	38.2	67.8	211.6	33.4
		BEAM ANGLE		FIELD ANGLE	
		100.1°	129.5°	162.8°	92.5°

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.09	1.09	1.09	1.09	1.05	1.05	1.05	.81	.97	.97	.97	.90	.90	.90	.84	.84	.84	.81
1	.97	.92	.87	.83	.93	.89	.84	.65	.82	.79	.76	.76	.74	.71	.71	.69	.67	.64
2	.88	.79	.72	.66	.84	.76	.70	.53	.71	.66	.61	.66	.62	.58	.61	.58	.55	.52
3	.80	.69	.61	.55	.76	.67	.59	.45	.62	.56	.51	.58	.53	.48	.54	.49	.46	.43
4	.73	.61	.52	.46	.70	.59	.51	.38	.55	.48	.43	.51	.46	.41	.48	.43	.39	.36
5	.67	.54	.46	.39	.64	.53	.44	.33	.49	.42	.37	.46	.40	.35	.43	.38	.34	.31
6	.62	.49	.40	.34	.59	.47	.39	.29	.44	.37	.32	.41	.35	.31	.39	.34	.30	.27
7	.57	.44	.36	.30	.55	.43	.35	.26	.40	.33	.28	.38	.32	.27	.35	.30	.26	.24
8	.53	.40	.32	.27	.51	.39	.31	.23	.37	.30	.25	.35	.29	.24	.33	.27	.23	.21
9	.50	.37	.29	.24	.48	.36	.28	.21	.34	.27	.23	.32	.26	.22	.30	.25	.21	.19
10	.46	.34	.27	.22	.45	.33	.26	.19	.31	.25	.21	.30	.24	.20	.28	.23	.19	.17

AVERAGE LUMINANCE (CD/M2)

	0	60	120	180	240	300	360
0	551	551	551	551	551	551	551
45	513	289	284	515	293	292	513
55	522	240	232	522	242	242	522
65	559	197	187	556	198	198	559
75	658	160	147	645	157	158	658
85	968	115	98	929	110	112	968

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