

Day-Brite CFI

by Signify

Healthcare

RelaxView LED Ambient
Ceiling Illuminator

3500K or 4200K white



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Day-Brite / CFI RelaxView LED Ambient Ceiling Illuminators make ideal lighting solutions for any healthcare imaging space where non-ferrous construction and EMI control are imperative. A relaxing environment is provided by clean aesthetics and soft uniform light appearance, helping patients feel more comfortable, calm, and at ease during imaging experiences.

Ordering guide

example: RVAC22G-42-SWH

Model Number	LED Color Temp.	Finish
—	—	—
RVAC11G 1x1 Grid Model	35 3500K	SWH Soft white
RVAC11FS 1x1 Flange Model (Surface Mounted)	42 4200K	CC¹ Custom color
RVAC11FF 1x1 Flange Model (Flush Mounted)		
RVAC14G 1x4 Grid Model		
RVAC14FS 1x4 Flange Model (Surface Mounted)		
RVAC14FF 1x4 Flange Model (Flush Mounted)		
RVAC22G 2x2 Grid Model		
RVAC22FS 2x2 Flange Model (Surface Mounted)		
RVAC22FF 2x2 Flange Model (Flush Mounted)		
RVAC24G 2x4 Grid Model		
RVAC24FS 2x4 Flange Model (Surface Mounted)		
RVAC24FF 2x4 Flange Model (Flush Mounted)		

Footnotes:

¹ Customer to provide color chip to match.



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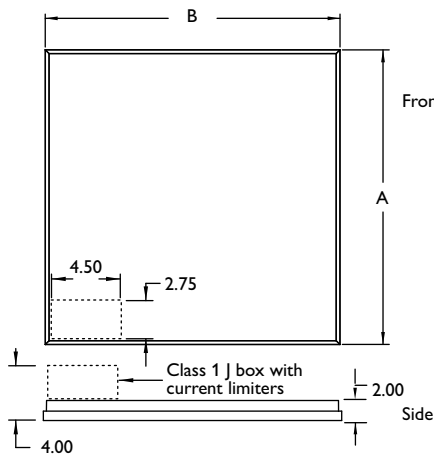
Features

- Easy installation and requires minimal maintenance.
- Long life LED source.
- Available in neutral white (3500K or 4200K).
- Available for grid or flange ceiling installations. Flange options provides either flush ceiling mount or surface ceiling mount.
- Agion® antimicrobial finish.
- Class 1 low voltage installation.
- Dimming option available on RelaxView Power Distribution Module PDM.
- On/Off and 5 level dimming control available with addition of RelaxView Intelligent Wall Dimmer IWD.

Specifications

- **Construction:** Non-ferrous construction. Extruded aluminum housing with a 1/8" translucent white PMMA acrylic diffuser.
- **Finish:** The housing has a polyester powder-coat paint finish with an Agion® antimicrobial finish.
- **Light Source:** LED source for lower power consumption and uniformity, attached to heat-sink for maximum performance and reliability. The LED source is available in 3500K or 4200K white.
- **Electrical:** RelaxView is powered by remote Class 1 low voltage power distribution module(s) (sold separately). Dimming is available. The RelaxView panels do not include a DC power supply. Remote modular Power Distribution Module PDM needed with or without dimmer.
- **Installation:** Easy installation into standard grid or hard ceilings.
- **Listing:** Components are CE or ETL listed and RoHS compliant.
- **Warranty:** Fixture warranted against defects for 5 years from original date of purchase.

Dimensions

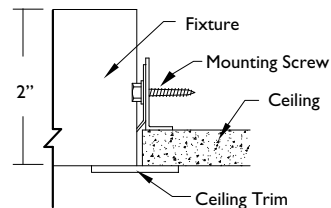


FLANGE CEILING OPENING

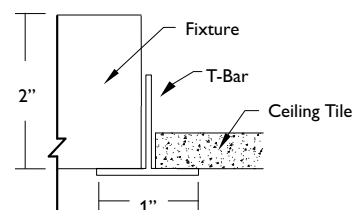
	A	B	L	W
1 x 1	11.75	11.75	12.25	12.25
1 x 4	11.75	47.81	12.25	48.25
2 x 2	23.75	23.75	24.25	24.25
2 x 4	23.75	47.81	24.25	48.25

All measurements shown in Inches

Flange Flush Mount



Grid



Electrical Data

Model	RVAC11	RVAC14	RVAC22	RVAC24
Power (Watts)	11.50	46.1	46.1	92.2

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Photometrics

RelaxView RVAC 1x1

LER – 54

Catalog No.	RVAC11-42	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	32126	0	240	240	240	0-30	187	27.5	45	2743	2760	2706
S/MH	1.2	5	243	238	237	0-40	306	45.0	55	2625	2644	2608
Lamp Type	LED	10	239	237	234	0-60	540	79.5	65	2433	2453	2424
Lumens/Lamp	679	15	233	232	226	0-90	680	100.0	75	2029	2043	2033
Input Watts	12.5	20	226	226	218				85	1076	1076	1146
		25	216	216	208							
		30	204	205	197							
		35	190	191	185							
		40	175	176	172							
		45	159	160	157							
		50	143	143	141							
		55	124	125	123							
		60	105	106	104							
		65	84	85	84							
		70	64	64	63							
		75	43	43	43							
		80	23	24	24							
		85	8	8	8							

Comparative yearly lighting energy cost per 1000 lumens – **\$4.44** based on 3000 hrs. and **\$0.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

RelaxView RVAC 1x4

LER – 61

Catalog No.	RVAC14-42	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	32125	0	1028	1028	1028	0-30	798	27.4	45	2825	2833	2821
S/MH	1.3	5	1019	1023	1026	0-40	1307	44.9	55	2723	2717	2705
Lamp Type	LED	10	1006	1009	1013	0-60	2312	79.4	65	2529	2517	2499
Lumens/Lamp	2911	15	984	987	987	0-90	2911	100.0	75	2120	2095	2078
Input Watts	48	20	953	956	955				85	1086	1076	1146
		25	913	917	916							
		30	867	870	867							
		35	812	814	812							
		40	751	751	751							
		45	684	686	683							
		50	611	612	611							
		55	535	534	531							
		60	452	451	449							
		65	366	364	362							
		70	277	275	272							
		75	188	186	184							
		80	102	101	101							
		85	32	32	34							

Comparative yearly lighting energy cost per 1000 lumens – **\$3.93** based on 3000 hrs. and **\$0.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

RelaxView RVAC 2x2

LER – 61

Catalog No.	RVAC22-42	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	32122	0	1135	1135	1135	0-30	880	27.5	45	3107	3108	3122
S/MH	1.3	5	1131	1130	1130	0-40	1441	45.0	55	2977	2977	2992
Lamp Type	LED	10	1116	1114	1114	0-60	2545	79.4	65	2760	2762	2775
Lumens/Lamp	3205	15	1090	1089	1090	0-90	3203	100.0	75	2308	2310	2330
Input Watts	52.5	20	1055	1053	1055				85	1206	1206	1276
		25	1011	1011	1012							
		30	957	956	959							
		35	894	894	898							
		40	826	827	831							
		45	753	753	756							
		50	672	673	676							
		55	585	585	588							
		60	494	494	497							
		65	400	400	402							
		70	302	302	303							
		75	205	205	207							
		80	111	112	114							
		85	36	36	38							

Comparative yearly lighting energy cost per 1000 lumens – **\$3.93** based on 3000 hrs. and **\$0.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

RVAC Relaxview Ambient Ceiling Illuminator

3500K or 4200K white

RelaxView RVAC 2x4

LER – 63

Catalog No.	RVAC24-42	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	32123	0	2157	2157	2157	0-30	1676	27.2	45	2963	2924	2904
S/MH	1.3	5	2159	2145	2148	0-40	2748	44.7	55	2863	2816	2788
Lamp Type	LED	10	2132	2116	2118	0-60	4873	79.2	65	2669	2619	2582
Lumens/Lamp	6152	15	2088	2070	2067	0-90	6150	100.0	75	2245	2191	2165
Input Watts	97.3	20	2024	2006	2001				85	1181	1152	1224
		25	1943	1924	1917							
		30	1848	1826	1818							
		35	1734	1712	1702							
		40	1608	1586	1575							
		45	1465	1446	1436							
		50	1313	1293	1283							
		55	1148	1129	1118							
		60	973	955	945							
		65	789	774	763							
		70	598	585	576							
		75	406	397	392							
		80	221	217	216							
		85	72	70	75							

Coefficients of Utilization									
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	118	118	118	115	115	115	111	111	
1	109	104	100	106	102	97	97	93	
2	98	91	83	95	89	82	84	80	
3	90	80	70	88	78	69	75	68	
4	81	69	61	80	68	60	67	58	
5	76	63	54	73	61	53	59	52	
6	69	56	47	68	56	46	54	46	
7	65	51	41	63	50	41	48	40	
8	59	46	38	58	46	38	45	36	
9	56	42	34	55	41	34	40	34	
10	53	40	32	52	39	30	38	30	

Comparative yearly lighting energy cost per 1000 lumens – **\$3.81** based on 3000 hrs. and **\$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

