

# Day-Brite

## CFI

by Signify

### Healthcare

#### RelaxView LED ambient ceiling illuminator

3500K or 4200K white



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.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### 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	CC <sup>1</sup> 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:**

<sup>1</sup> Customer to provide color chip to match.



# RVAC RelaxView ambient ceiling illuminator

3000K or 4200K white

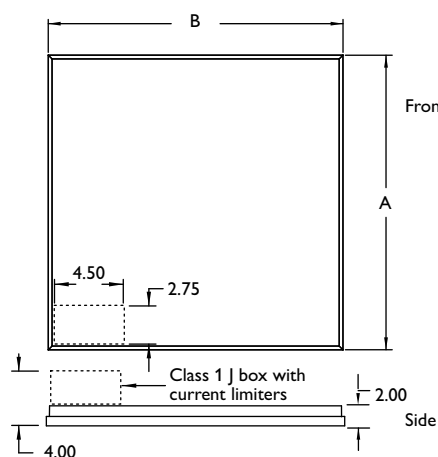
## Features

- 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.

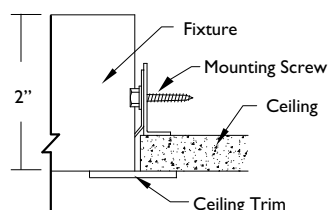
## Dimensions



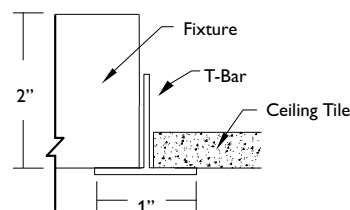
		FLANGE CEILING OPENING			
		A	B	L	W
Front	1 x 1	11.75	11.75	12.25	12.25
	1 x 4	11.75	47.81	12.25	48.25
	2 x 2	23.75	23.75	24.25	24.25
	2 x 4	23.75	47.81	24.25	48.25

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

# RVAC RelaxView ambient ceiling illuminator

3000K or 4200K white

## Photometrics

### RelaxView RVAC 1x1

### LER – 54

<b>Catalog No.</b> RVAC11-42 <b>Test No.</b> 32126 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens/Lamp</b> 679 <b>Input Watts</b> 12.5  Comparative yearly lighting energy cost per 1000 lumens – <b>\$4.44</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>						
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>			
	0	240	240	240	0-30	187	27.5	45	2743	2760	2706			
	5	243	238	237	0-40	306	45.0	55	2625	2644	2608			
	10	239	237	234	0-60	540	79.5	65	2433	2453	2424			
	15	233	232	226	0-90	680	100.0	75	2029	2043	2033			
	20	226	226	218				85	1076	1076	1146			
	25	216	216	208	<b>Coefficients of Utilization</b>									
	30	204	205	197	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>									
	35	190	191	185	pcc	80			70			50		
	40	175	176	172	pw	70	50	30	70	50	30	50	30	
	45	159	160	157	RCR									
	50	143	143	141	0	118	118	118	115	115	115	111	111	
	55	124	125	123	1	109	104	100	106	102	97	97	93	
	60	105	106	104	2	98	91	83	95	89	82	84	80	
	65	84	85	84	3	90	80	71	88	78	70	75	68	
	70	64	64	63	4	82	70	61	80	68	60	67	59	
75	43	43	43	5	76	63	54	73	61	53	59	52		
80	23	24	24	6	69	56	47	68	56	46	54	46		
85	8	8	8	7	65	51	42	63	51	41	48	41		
				8	59	46	38	58	46	38	45	36		
				9	56	42	34	55	41	34	40	34		
				10	53	40	32	52	39	32	38	30		

### RelaxView RVAC 1x4

### LER – 61

<b>Catalog No.</b> RVAC14-42 <b>Test No.</b> 32125 <b>S/MH</b> 1.3 <b>Lamp Type</b> LED <b>Lumens/Lamp</b> 2911 <b>Input Watts</b> 48  Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.93</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>						
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>			
	0	1028	1028	1028	0-30	798	27.4	45	2825	2833	2821			
	5	1019	1023	1026	0-40	1307	44.9	55	2723	2717	2705			
	10	1006	1009	1013	0-60	2312	79.4	65	2529	2517	2499			
	15	984	987	987	0-90	2911	100.0	75	2120	2095	2078			
	20	953	956	955				85	1086	1076	1146			
	25	913	917	916	<b>Coefficients of Utilization</b>									
	30	867	870	867	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>									
	35	812	814	812	pcc	80			70			50		
	40	751	751	751	pw	70	50	30	70	50	30	50	30	
	45	684	686	683	RCR									
	50	611	612	611	0	118	118	118	115	115	115	111	111	
	55	535	534	531	1	109	104	100	106	102	97	97	93	
	60	452	451	449	2	98	91	83	95	89	82	84	80	
	65	366	364	362	3	90	80	70	88	78	69	75	68	
	70	277	275	272	4	82	70	61	80	68	60	67	59	
75	188	186	184	5	76	63	54	73	61	53	59	52		
80	102	101	101	6	69	56	47	68	56	46	54	46		
85	32	32	34	7	65	51	42	63	51	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	32	38	30		

### RelaxView RVAC 2x2

### LER – 61

<b>Catalog No.</b> RVAC22-42 <b>Test No.</b> 32122 <b>S/MH</b> 1.3 <b>Lamp Type</b> LED <b>Lumens/Lamp</b> 3205 <b>Input Watts</b> 52.5  Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.93</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>						
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>			
	0	1135	1135	1135	0-30	880	27.5	45	3107	3108	3122			
	5	1131	1130	1130	0-40	1441	45.0	55	2977	2977	2992			
	10	1116	1114	1114	0-60	2545	79.4	65	2760	2762	2775			
	15	1090	1089	1090	0-90	3203	100.0	75	2308	2310	2330			
	20	1055	1053	1055				85	1206	1206	1276			
	25	1011	1011	1012	<b>Coefficients of Utilization</b>									
	30	957	956	959	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>									
	35	894	894	898	pcc	80			70			50		
	40	826	827	831	pw	70	50	30	70	50	30	50	30	
	45	753	753	756	RCR									
	50	672	673	676	0	118	118	118	115	115	115	111	111	
	55	585	585	588	1	109	104	100	106	102	97	97	93	
	60	494	494	497	2	98	91	83	95	89	82	84	80	
	65	400	400	402	3	90	80	71	88	78	70	75	68	
	70	302	302	303	4	82	70	61	80	68	60	67	59	
75	205	205	207	5	76	63	54	73	61	53	59	52		
80	111	112	114	6	69	56	47	68	56	46	54	46		
85	36	36	38	7	65	51	42	63	51	41	48	41		
				8	59	46	38	58	46	38	45	36		
				9	56	42	34	55	41	34	40	34		
				10	53	40	32	52	39	32	38	30		

# RVAC RelaxView ambient ceiling illuminator

3000K or 4200K white

RelaxView RVAC 2x4

LER – 63

Catalog No.		Candlepower				Light Distribution			Average Luminance			
<b>Catalog No.</b>	RVAC24-42	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>
<b>Test No.</b>	32123	0	2157	2157	2157	0-30	1676	27.2	45	2963	2924	2904
<b>S/MH</b>	1.3	5	2159	2145	2148	0-40	2748	44.7	55	2863	2816	2788
<b>Lamp Type</b>	LED	10	2132	2116	2118	0-60	4873	79.2	65	2669	2619	2582
<b>Lumens/Lamp</b>	6152	15	2088	2070	2067	0-90	6150	100.0	75	2245	2191	2165
<b>Input Watts</b>	97.3	20	2024	2006	2001							
		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							
Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.81</b> based on 3000 hrs. and <b>\$.08</b> 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.												
<b>Coefficients of Utilization</b>												
<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>												
pcc	80	70			50			30				
pw	70	50	30	70	50	30	70	50	30			
RCR												
0	118	118	118	115	115	115	111	111	111			
1	109	104	100	106	102	97	97	93	93			
2	98	91	83	95	89	82	84	80	80			
3	90	80	70	88	78	69	75	68	68			
4	81	69	61	80	68	60	67	58	58			
5	76	63	54	73	61	53	59	52	52			
6	69	56	47	68	56	46	54	46	46			
7	65	51	41	63	50	41	48	40	40			
8	59	46	38	58	46	38	45	36	36			
9	56	42	34	55	41	34	40	34	34			
10	53	40	32	52	39	30	38	30	30			

## Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.



© 2021 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation  
200 Franklin Square Drive,  
Somerset, NJ 08873  
Telephone 855-486-2216

Signify Canada Ltd.  
281 Hillmount Road,  
Markham, ON, Canada L6C 2S3  
Telephone 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.