

C3 has released a series of illumination products for the patient room that can be controlled by staff and/or the patient. The products allow the environment of the patient room to be customized at the touch of a button to meet the mood or needs of the patient and staff.

Aedis Luminaires use the innovative ION™ Light Engine remotely driven by the patented Helius™ Remote Power Distribution Module. These light panels are remarkably thin and lightweight. Panels consume a minimum of 65% less energy than T-8 fluorescent lamps. In addition, the unique Class 1 or Class 2 Power Package reduces installation costs. Whether Hard Lid, T-bar or flange mount, our Aedis Luminaires set new standards for the Health Care Industry.

Available for: (find your application below)

■ HEALTHCARE ■ CLASSROOM ■ ARCHITECTURE



### Example of part number:

SL 5 5 4 - 012 - 048 - 00 - WA - 2 - S = **SL 554-012-048-00-WA-2-S**

## HEALTHCARE

### SPECIFICATIONS

**HOUSING:** Extruded Aluminum Sides and Aluminum Backplate. Flange units are provided with ceiling trim.

**LENS:** 1/8" White Acrylic Lens.

**ILLUMINATION:** 2,000K, 3,000K, 3,500K, 4,200K, 5,000K, 6,000K, Tunable-White, or Dawn-to-Dusk.

**ELECTRICAL:** Aluminum J-Box with current limiter provided for Class 1 power. J-Box is optional for Class 2 power.

**FINISH:** Agion Antimicrobial White Powder Coat.

**WARRANTY:** Refer to [www.c3lighting.com/warranty.html](http://www.c3lighting.com/warranty.html)

SL	COLOR TEMP	# OF LEDs	SIZE	MOUNTING	FINISH	J-BOX	OPTIONS
0	2,000K	0 1 LED (*2929 lumens)	<b>006-048</b> (23.1- watts)*	00 Ceiling Grid T-bar	WS Standard White	1 Class 1 Power** with current limiter	X Standard
1	3,000K	2 2 LEDs (*5858 lumens)	<b>012-024</b> (23.1- watts)*	01 Integral Flange Surface Mount	WA Antimicrobial White	2 Class 2 Power no j-box	S Sealed
2	3,500K	3 3 LEDs (*8787 lumens)	<b>012-048</b> (46.1- watts)*	02 Integral Flange Flush Mount	C Custom	3 Class 2 power with j-box	
3	4,200K	4 4 LEDs (*11716 lumens)	<b>024-024</b> (46.1- watts)*				
4	5,000K	(*Based on 24"x24" fixture at 4200K)	<b>024-048</b> (92.2- watts)*				
5	6,000K						
7	Healthcare Tunable-White (3,000K-6,000K)						

(Contact factory for more size options)  
\*Based on 1 LED

\*\* Class 1 power only applies to shielded or RF/EM sensitive environments

**CLASSROOM**

**SPECIFICATIONS**

HOUSING: Extruded Aluminum Sides and Aluminum Backplate. Flange units are provided with ceiling trim.

LENS: 1/8" White Acrylic Lens.

ILLUMINATION: Standard (4,200K), Concentrate, Energy, Relax, and Audio Visual.

ELECTRICAL: Class 2 Power.

FINISH: White Powder Coat.

WARRANTY: Refer to [www.c3lighting.com/warranty.html](http://www.c3lighting.com/warranty.html)

SL	COLOR TEMP	50	SIZE	MOUNTING	FINISH	J-BOX
0	2,000K		<b>006-048</b> (69.12-watts)*	<b>00</b> Ceiling Grid T-bar	<b>WS</b> Standard White	<b>2</b> Class 2 Power no j-box
1	3,000K		<b>012-024</b> (69.12-watts)*	<b>01</b> Integral Flange Surface Mount	<b>C</b> Custom	
2	3,500K		<b>012-048</b> (138.2-watts)*	<b>02</b> Integral Flange Flush Mount		<b>3</b> Class 2 power with j-box
3	4,200K		<b>024-024</b> (138.2-watts)*			
4	5,000K		<b>024-048</b> (276.4-watts)*			
5	6,000K					
6	Tunable-White (2,200K-4,200K)		(Contact factory for more size options)			
8	Classroom Advanced Lighting Presets		*Based on 1 LED			

**ARCHITECTURE**

**SPECIFICATIONS**

HOUSING: Extruded Aluminum Sides and Aluminum Backplate. Flange units are provided with ceiling trim.

LENS: 1/8" White Acrylic Lens.

ILLUMINATION: RGB, RGBA, RGBW, 2,000K, 3,000K, 3,500K, 4,200K, 5,000K, 6,000K, or Tunable-White.

ELECTRICAL: Aluminum J-Box with current limiter provided for Class 1 power. J-Box is optional for Class 2 power.

FINISH: White Powder Coat.

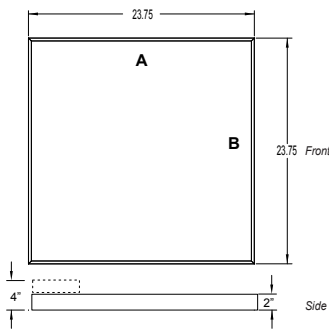
WARRANTY: Refer to [www.c3lighting.com/warranty.html](http://www.c3lighting.com/warranty.html)

SL	COLOR TEMP	5	# OF LEDs	SIZE	MOUNTING	FINISH	J-BOX
0	2,000K		<b>0</b> 1 LED (*2929 lumens)	<b>006-048</b> (23.1-watts)*	<b>00</b> Ceiling Grid T-bar	<b>WS</b> Standard White	<b>1</b> Class 1 Power with current limiter
1	3,000K		<b>2</b> 2 LEDs (*5858 lumens)	<b>012-024</b> (23.1-watts)*	<b>01</b> Integral Flange Surface Mount	<b>C</b> Custom	<b>2</b> Class 2 Power no j-box
2	3,500K		<b>3</b> 3 LEDs (*8787 lumens)	<b>012-048</b> (46.1-watts)*	<b>02</b> Integral Flange Flush Mount		<b>3</b> Class 2 power with j-box
3	4,200K		<b>4</b> 4 LEDs (*11716 lumens)	<b>024-024</b> (46.1-watts)*			
4	5,000K		(*Based on 24"x24" fixture at 4200K)	<b>024-048</b> (92.2-watts)*			
5	6,000K						
6	Architectural Tunable-White (2,200K-4,200K)			(Contact factory for more size options)			
R	RGB			*Based on 1 LED			
A	RGBA						
W	RGBW						



**DIMENSIONS**

**MOUNTING**

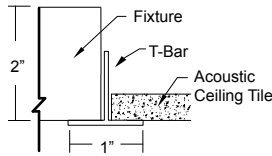


FLANGE CEILING OPENING

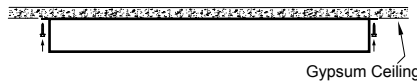
	A	B	A*	B*
<b>6 x 48</b>	5.75	47.75	6.25	48.25
<b>1 x 2</b>	11.75	23.75	12.25	24.25
<b>1 x 4</b>	11.75	47.75	12.25	48.25
<b>2 x 2</b>	23.75	23.75	24.25	24.25
<b>2 x 4</b>	23.75	47.75	24.25	48.25

All measurements shown in Inches  
 \* With Flange  
 \* Indoor Use Only

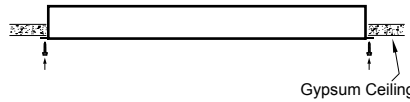
**00 - GRID LAY IN**



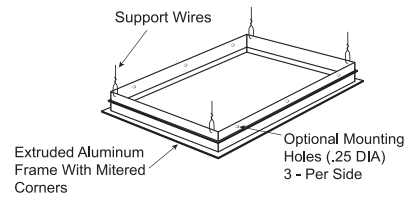
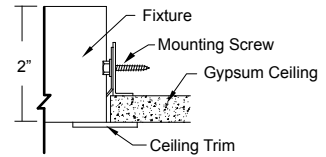
**01 - INTEGRAL FLANGE-SURFACE MOUNT**



**02 - INTEGRAL FLANGE-FLUSH MOUNT**



**MOUNTING ACCESSORY - HARD LID GRID ADAPTER KIT (SOLD SEPARATELY)**



**Ordering Information:**  
 2x2 = Grid Adapter kit-2x2  
 2x4 = Grid Adapter kit-2x4

**Electrical (Based on 1 LED per sq. inch)**

**Note: Does not include a DC Power Supply!**

LED 90K Hour Life

Draw: 24VDC, 1.92A, 46.08W (2' X 2'), +/- 10%

**Diffuser/Lens**

1/8" Translucent White PMMA Acrylic Diffuser

**Accessories (Sold Separately)**

- Power Distribution: Helios 24VDC Remote Power Distribution Module (See Power & Controls)
- Hard Lid Grid Adapter Kit: Specify fixtures for ceiling grid mount. One kit required per fixture, 2'x2' and 2'x4' only.

**Controls (If Dimmable)**

0-10V switch(es) (by others), DMX switch(es) by C3 or others (512a DMX Protocol only)  
 (See Power & Controls)

**Sealed (Optional)**

- NSF Listed Silicone Seal
- NSF Listed Closed Cell Foam Gasket provided when specified with flush mount flange.
- IP66 Rated

**Warranty Information**

Refer to [www.c3lighting.com/warranty.html](http://www.c3lighting.com/warranty.html)

**Certification & Compliance**



**Intertek**

- Standard for Safety for Low Voltage Lighting Systems, **UL 2108** First Ed., Feb. 27, 2004
- Standard for Safety for Light Emitting Diode Equipment for Use in Lighting Products, **UL 8750**
- Standard for General Requirements for Luminaires **CSA C22.2** No. 9.0-96, July 1998

**Finish**

Agion® Antimicrobial protection using silver technology inhibits bacterial colonization on interior and exterior surfaces. Agion® antimicrobial FDA is recognized and EPA registered, meeting all applicable EPA standards.



# PHOTOMETRIC DISTRIBUTION

All results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

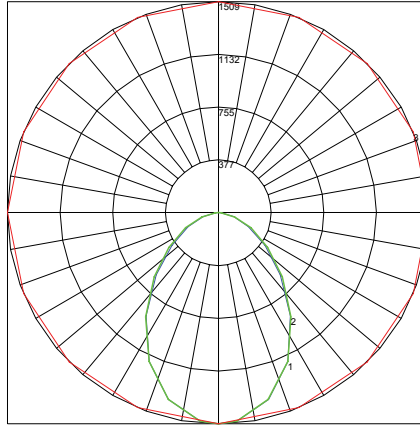
### FIXTURE DATA

Dimensions	23.75" x 23.75"x2"
Lamp	LED
Fixture Lumens	2929
Watts	46.08
Mounting	
Correlated Color Temp	4261

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	787.03	N.A.	26.9
0-40	1354.7	N.A.	46.3
0-60	2342	N.A.	80
0-90	2928	N.A.	100
0-180	2928.7	N.A.	1000

024-024



Maximum Candela = 1509 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE  
 # 2 - Vertical Plane Through Horizontal Angles (45 - 225) (GREEN)  
 # 3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.) : RED

### COEFFICIENTS OF UTILIZATION

RC	80				
	RW	70	50	30	10
0	119	119	119	119	119
1	109	104	99	95	
2	99	90	84	78	
3	90	79	71	65	
4	82	70	61	55	
5	76	63	54	47	
6	70	56	47	41	
7	65	51	42	36	
8	60	46	38	32	
9	56	42	34	28	
10	52	39	31	26	

### LUMINANCE DATA

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2564	2650	2580
55	2049	2169	2079
65	1633	1756	1667
75	1249	1361	1272
85	729	762	762

All results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

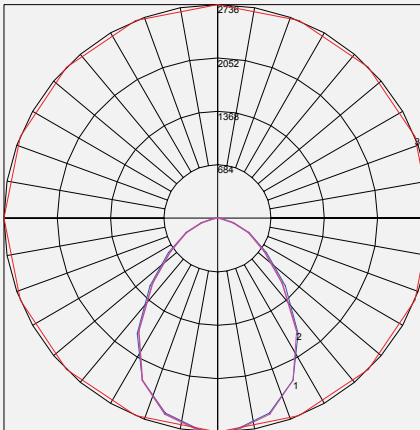
### FIXTURE DATA

Dimensions	23.75" x 47.75"x2"
Lamp	LED
Fixture Lumens	5566
Watts	92.16
Mounting	
Correlated Color Temp	4311

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1482.4	N.A.	26.6
0-40	2597.4	N.A.	46.7
0-60	4486.3	N.A.	80.6
0-90	5565.8	N.A.	100
0-180	5565.8	N.A.	100

024-048



Maximum Candela = 2736 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA  
 # 3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.) : RED

### COEFFICIENTS OF UTILIZATION

RC	80				
	RW	70	50	30	10
0	119	119	119	119	119
1	109	104	99	96	
2	99	91	84	78	
3	90	80	71	65	
4	83	71	62	55	
5	76	63	54	47	
6	70	56	47	41	
7	65	51	42	36	
8	60	46	38	32	
9	56	42	34	28	
10	52	39	31	26	

### LUMINANCE DATA

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2450	2470	2350
55	1886	1945	1812
65	1506	1583	1462
75	1164	1240	1142
85	714	746	714

All results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

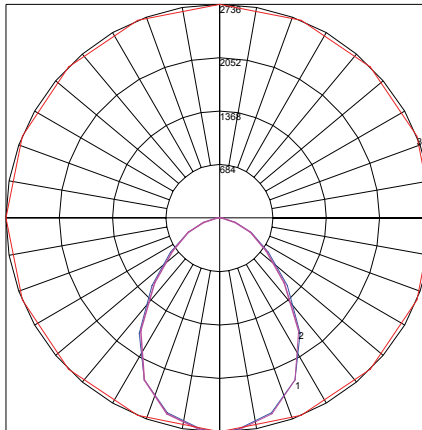
### FIXTURE DATA

Dimensions	11.75" x 47.75"x2"
Lamp	LED
Fixture Lumens	2929
Watts	46.08
Mounting	
Correlated Color Temp	4261

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	787.03	N.A.	26.9
0-40	1354.7	N.A.	46.3
0-60	2342	N.A.	80
0-90	2928	N.A.	100
0-180	2928.7	N.A.	1000

012-048



Maximum Candela = 2736 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA  
 # 3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.) : RED

### COEFFICIENTS OF UTILIZATION

RC	80				
	RW	70	50	30	10
0	119	119	119	119	119
1	109	104	99	95	
2	99	90	84	78	
3	90	79	71	65	
4	82	70	61	55	
5	76	63	54	47	
6	70	56	47	41	
7	65	51	42	36	
8	60	46	38	32	
9	56	42	34	28	
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### LUMINANCE DATA

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2564	2650	2580
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85	729	762	762

