

C3's Optillum™ LED Exam Lights pack the power of a 12" X 48" exam light into a 6" X 48" package with features never before seen in an exam light. Choose between five different color temperatures of light output with 0% - 100% dimming, asymmetric lens, antimicrobial powder coated finish and the option of an IP-66 sealed fixture. Like all products from C3 they use the innovative ION™ Light Engine remotely driven by the patented Helius™ Remote Power Distribution Module. These fixtures are remarkably thin, lightweight and conserve a minimum of 65% less energy than T-8 fluorescent lamps. Whether Hard Lid, T-bar or Flange mount our luminaires set new standards in healthcare lighting.

C3's "true" microprocessor controlled Dawn-to-Dusk technology (590nm-amber to 16,000K extreme blue-white) combined with 4-color wall washing, high intensity LED exam lights, etc. create a never before available system that meets the requirements for the "patient room of the future".

Available for: (find your application below)

**HEALTHCARE**



**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 Housing.

LENS: 1/8" White Asymmetrical Acrylic Lens.

ILLUMINATION: ILLUMINATION: Exam Presets, Selectable - 3,500K, 4,200K, 5,000K, or 6,000K, all with or without Green Light.

ELECTRICAL: Aluminum for Class 1 power. J-Box is optional for Class 2 power.

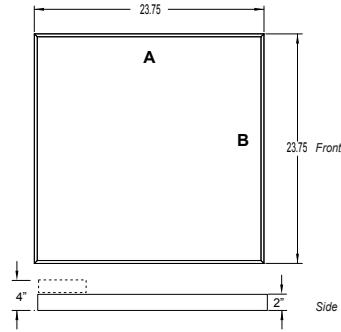
FINISH: Agion Antimicrobial White Powder Coat.

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	
	<b>5</b>	<b>5</b>	<b>012</b>	<b>048</b>	<b>00</b>	<b>WA</b>	<b>2</b>	<b>S</b>
<b>E</b>	Exam Presets	<b>4</b> 4 LEDs <small>(*11716 lumens)</small>	<b>006-048</b> (92.16- watts) <b>006-096</b> (184.32- watts) <small>(Contact factory for more size options)</small>	<b>00</b> Ceiling Grid T-bar <b>01</b> Integral Flange Surface Mount <b>02</b> Integral Flange Flush Mount	<b>WS</b> Standard White <b>WA</b> Antimicrobial <b>C</b> Custom	<b>1</b> Class 1 Power** with current limiter <b>2</b> Class 2 Power no j-box <b>3</b> Class 2 power with j-box	<b>X</b> Standard <b>S</b> Sealed	
<b>2</b>	3,500K							
<b>3</b>	4,200K	<small>(*Lumens based on 6" x 96" fixture at 4200K)</small>						
<b>4</b>	5,000K							
<b>5</b>	6,000K							
<b>F</b>	3,500K w/ Green Light							
<b>G</b>	4,200K w/ Green Light							
<b>H</b>	5,000K w/ Green Light							
<b>J</b>	6,000K w/ Green Light							

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

**DIMENSIONS**



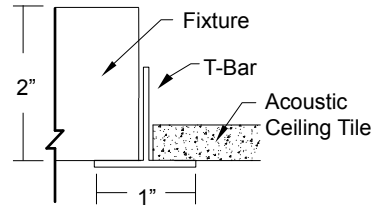
FLANGE CEILING OPENING

	A	B	A*	B*
<b>3 x 24</b>	2.75	23.75	3.75	24.75
<b>6 x 24</b>	5.75	23.75	6.75	24.75
<b>3 x 36</b>	2.75	35.75	3.75	36.75
<b>6 x 36</b>	5.75	35.75	6.75	36.75
<b>3 x 48</b>	2.75	47.75	3.75	48.75
<b>6 x 48</b>	5.75	47.75	6.75	48.75
<b>3 x 60</b>	2.75	59.75	3.75	60.75
<b>6 x 60</b>	5.75	59.75	6.75	60.75

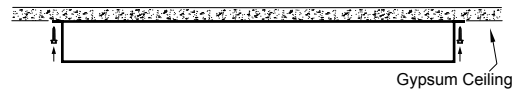
All measurements shown in Inches  
 \* With Flange  
 \* Indoor Use Only

**MOUNTING**

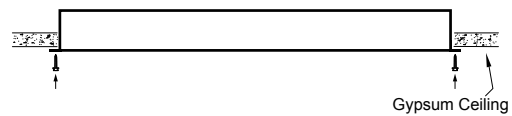
00 - GRID LAY IN



01 - INTEGRAL FLANGE-SURFACE MOUNT



02 - INTEGRAL FLANGE-FLUSH MOUNT



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

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

LED 90K Hour Life

Draw: 24VDC, 3.84A, 92.16W (6" X 48"), +/- 10%

**Diffuser/Lens**

1/8" Translucent White PMMA Asymmetrical Acrylic Lens

**Accessories (Sold Separately)**

Power Distribution: Helius 24VDC Remote Power Distribution Module (See Power & Controls)

**Controls (If Dimmable)**

DMX switch(es) by C3 or DMX control(s) by others (512a DMX Protocol only)  
 (See Power & Controls)

**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.

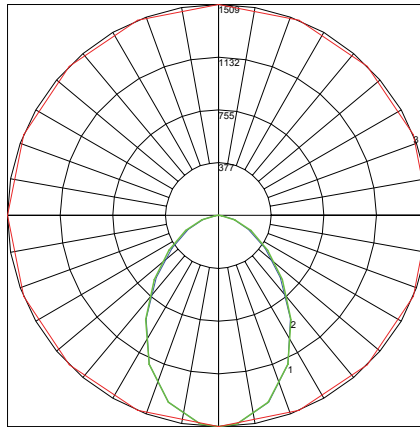
### FIXTURE DATA

Dimensions	5.75"x47.75"x2"
Lamp	LED
Fixture Lumens	
Watts	
Mounting	
Correlated Color Temp	

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	000	000	000
0-40	000	000	000
0-60	000	000	000
0-90	000	000	000
0-180	000	000	000

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			
	70	50	30	10
0	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.

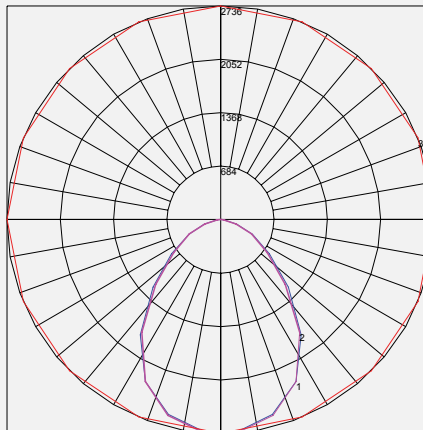
### FIXTURE DATA

Dimensions	5.75"x95.75"x2"
Lamp	LED
Fixture Lumens	
Watts	
Mounting	
Correlated Color Temp	

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	000	000	000
0-40	000	000	000
0-60	000	000	000
0-90	000	000	000
0-180	000	000	000

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			
	70	50	30	10
0	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
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### LUMINANCE DATA

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45	2564	2650	2580
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