

Available for: (find your application below)

■ HEALTHCARE
 ■ CLASSROOM
 ■ ARCHITECTURE

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.

Certified MIL-STD-461-F - perfect for MRIs, Lumos 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 Lumos Luminaires set new standards for the Health Care Industry. RFI/EMI free, non-ferrous construction eliminates mounting restrictions, making them ideal for specialized applications in healthcare such as MRI rooms.

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

SL	COLOR TEMP	# OF LEDs	SIZE	MOUNTING	FINISH	J-BOX	OPTIONS
0	2,000K	1 LED (*2929 lumens)	006-048 (23.1- watts)*	00 Ceiling Grid T-bar	WS Standard White	1 Class 1 Power** with current limiter	X Standard
1	3,000K	2 LEDs (*5858 lumens)	012-024 (23.1- watts)*	01 Integral Flange Surface Mount	WA Antimicrobial White	2 Class 2 Power no j-box	S Sealed
2	3,500K	3 LEDs (*8787 lumens)	012-048 (46.1- watts)*	02 Integral Flange Flush Mount	C Custom	3 Class 2 power with j-box	
3	4,200K	4 LEDs (*11716 lumens)	024-024 (46.1- watts)*				
4	5,000K		024-048 (92.2- watts)*				
5	6,000K						
7	Healthcare Tunable-White (3,000K-6,000K)***	(*Based on 24"x24" fixture at 4200K)	(Contact factory for more size options)				
R	RGB		*Based on 1 LED				
A	RGBA	***Color Temp. Range can be specified				** Class 1 power only applies to shielded or RF/EM sensitive environments	
W	RGBW						

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

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

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.

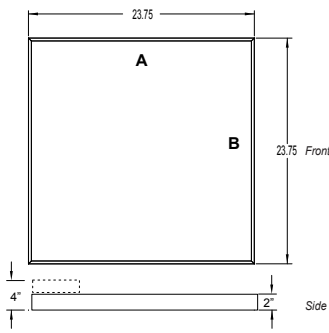
FINISH: White Powder Coat.

WARRANTY: Refer to www.c3lighting.com/warranty.html

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



DIMENSIONS

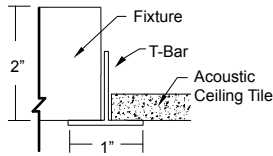


	FLANGE CEILING OPENING			
	A	B	A*	B*
6 x 48	5.75	47.75	7.25	49.25
1 x 2	11.75	23.75	13.25	25.25
1 x 4	11.75	47.75	13.25	49.25
2 x 2	23.75	23.75	25.25	25.25
2 x 4	23.75	47.75	25.25	49.25

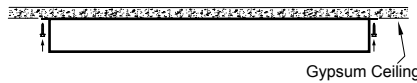
All measurements shown in Inches
* With Flange

MOUNTING

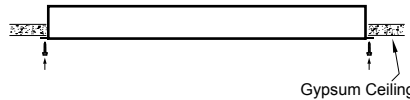
00 - GRID LAY IN



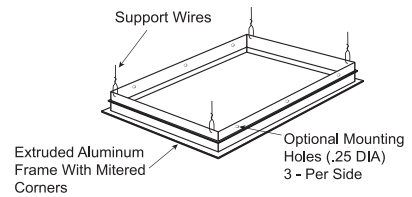
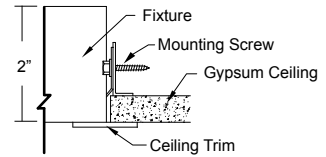
01 - INTEGRAL FLANGE-SURFACE MOUNT



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

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.

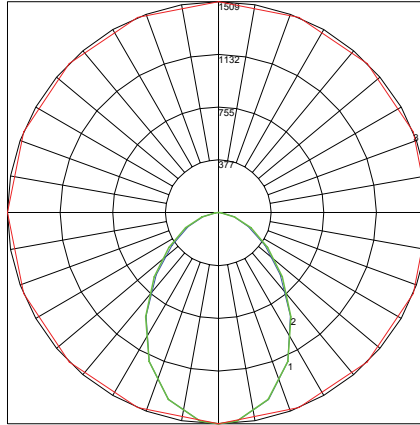
FIXTURE DATA

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.

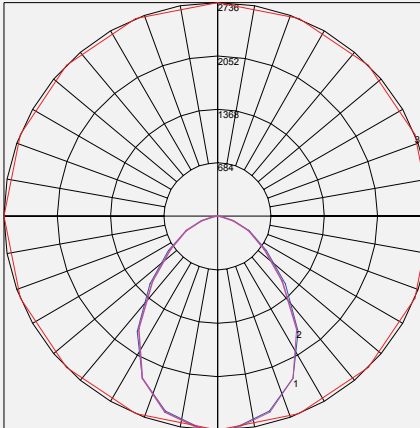
FIXTURE DATA

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.

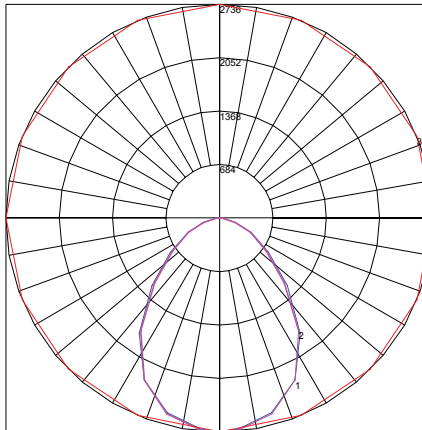
FIXTURE DATA

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	
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

