

MIL-Spec Surgical Green & White LED Luminaires

Description:

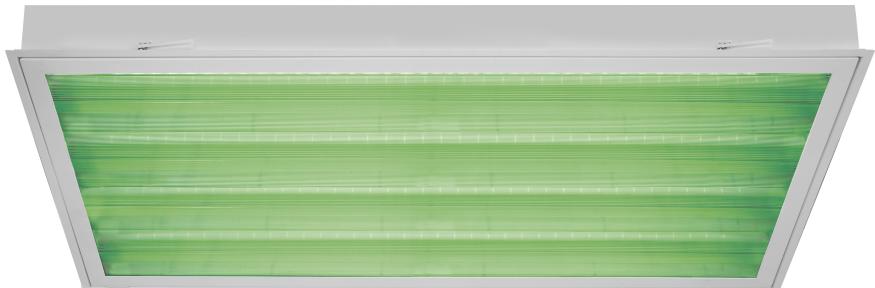
The Amico MIL-Spec Surgical Green & White LED Luminaires use high quality LEDs that come in 80 and 90 CRI options. This product comes standard with an integrated RFI in-line filter, meeting emissions standards as per MIL-STD-461G. The lenses used are Symmetrical/Asymmetrical and designed to reduce glare. By using a one piece sealed housing and smooth doorframe and lens the luminaire is ideal for easy cleaning and infection control. The housing is designed for either flange or grid ceiling installations. Green LED light is less stressful on the eyes and enhances video monitor image while eliminating glare that traditional overhead white lights cast on monitors.

Features:

- Hospital grade material and finish
- Glare-free reflectors
- Seam welded
- Long lasting LEDs
- Complies with MIL-STD-461G standard for radiated and conducted emission regulations
- Independently powered and dimmed Green and White LED circuits



MIL STD
461G



Construction Material:

Housing: 20 Gauge CRS. One piece, seam-welded construction.

Lens: Once piece design; asymmetrical/symmetrical; see options for alternate lens.

Finish: White urethane powder coat finish – 5 step treatment; hospital grade material and finish.

Light Source: Samsung LEDs mounted on Aluminum Core PCB.

Optics: Symmetric/asymmetric reflectors diffused for glare free operation.

Drivers: High power factor constant current, 0.97 pf @ 120 V (Class 2, Class II).

RFI Filter: Power line RFI filter used to control conducted emissions.

Specifications:

Voltage: 120 Volts, 277 Volts.

Dimming: 0 - 10 Volts and DALI options available.

Color Quality: 80 CRI, 90 CRI.

Color Temperature: Green LEDs: 530nm. White LEDs: 3500K, 4000K, 5000K.

Size Options: 1' x 4' x 4" / 2' x 2' x 4" / 2' x 4' x 4" fits into a standard ceiling grid layout.

Life of LEDs: L70 > 100,000 hours.

Listings: Luminaire is certified to UL standards by Intertek. UL certified IP65 per IEC 60598. Conducted emissions controlled as per MIL-STD-461G.

Warranty: Limited five (5) year warranty.



MIL-Spec Surgical Green & White LED Luminaire

Surgical Troffer Lumen Output Tables:

2' x 4'

80+ CRI	Green LED Circuit		White LED Circuit		90+ CRI	Green LED Circuit		White LED Circuit		
	Lumens	Watts	Lumens	Watts		Lumens	Watts	Lumens	Watts	
3500K	Low	2,832	21	11,106	101	Low	2,832	21	9,440	101
	Medium	2,832	21	15,548	148	Medium	2,832	21	13,216	148
	High	2,832	21	20,192	200	High	2,832	21	17,164	200
4000K	Low	2,832	21	11,449	101	Low	2,832	21	9,732	101
	Medium	2,832	21	16,029	148	Medium	2,832	21	13,625	148
	High	2,832	21	20,817	200	High	2,832	21	17,694	200
5000K	Low	2,832	21	11,867	101	Low	2,832	21	10,239	101
	Medium	2,832	21	16,640	148	Medium	2,832	21	14,256	148
	High	2,832	21	21,442	200	High	2,832	21	18,225	200

2' x 2'

80+ CRI	Green LED Circuit		White LED Circuit		90+ CRI	Green LED Circuit		White LED Circuit		
	Lumens	Watts	Lumens	Watts		Lumens	Watts	Lumens	Watts	
3500K	Low	2,624	19	4,979	48	Low	2,624	19	4,232	48
	Medium	2,624	19	6,971	70	Medium	2,624	19	5,925	70
	High	2,624	19	9,053	95	High	2,624	19	7,695	95
4000K	Low	2,624	19	5,119	48	Low	2,624	19	4,352	48
	Medium	2,624	19	7,177	70	Medium	2,624	19	6,101	70
	High	2,624	19	9,332	95	High	2,624	19	7,932	95
5000K	Low	2,624	19	5,261	48	Low	2,624	19	4,472	48
	Medium	2,624	19	7,385	70	Medium	2,624	19	6,277	70
	High	2,624	19	9,613	95	High	2,624	19	8,171	95

1' x 4'

80+ CRI	Green LED Circuit		White LED Circuit		90+ CRI	Green LED Circuit		White LED Circuit		
	Lumens	Watts	Lumens	Watts		Lumens	Watts	Lumens	Watts	
3500K	Low	2,598	19	4,311	47	Low	2,598	19	3,665	47
	Medium	2,598	19	6,036	69	Medium	2,598	19	5,130	69
	High	2,598	19	7,839	94	High	2,598	19	6,663	94
4000K	Low	2,598	19	4,617	47	Low	2,598	19	3,925	47
	Medium	2,598	19	6,489	69	Medium	2,598	19	5,516	69
	High	2,598	19	8,079	94	High	2,598	19	6,867	94
5000K	Low	2,598	19	4,552	47	Low	2,598	19	3,869	45
	Medium	2,598	19	6,392	69	Medium	2,598	19	5,433	66
	High	2,598	19	8,323	94	High	2,598	19	7,075	94

Full Green LED Circuit	Lumens	Watts
2' x 4'	8,721	65
2' x 2'	6,141	46
1' x 4'	5,986	45



LED

5 YEAR
limited warranty

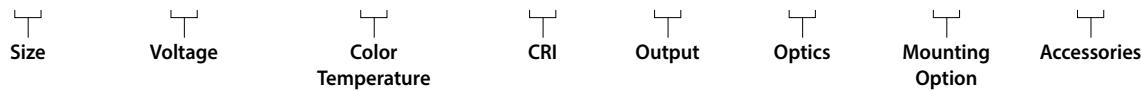
Solar Series

MIL-Spec Surgical Green & White LED Luminaire



Ordering Guide:

L - SURG - ML -



For Example: L-SURG-ML-14-120-GW35-A-L-SY-GM-EM

Solar Series MIL-Spec Surgical LED Luminaire, 1' x 4', 120 V, Green & 3500 Kelvin White, 80 CRI, Low Output, Symmetrical Optics, Grid Mount, Emergency Battery Backup

Ordering Information:

Series	Size	Voltage*	Color Temperature	CRI	Output**	Optics	Mounting Options	Accessories
L-SURG-ML	14 1' x 4'	120	GW35 Green & 3500K White	A 80	L Low	SY Symmetrical	GM Grid mount	EM Emergency battery backup
	22 2' x 2'	277	GW40 Green & 4000K White	B 90	M Medium	AS Asymmetrical	CM Continuous row mounting (drywall ceiling)	TC Two circuit wiring
	24 2' x 4'	*Consult factory for additional voltage requirements	GW50 Green & 5000K White		H High		HC Single drywall ceiling	ET Emergency backup w/two circuit wiring
			GG00 Full Green		C Custom Lumens			00 No options
		CGXX Custom Options	**Refer to Lumen output table					

Configurations:



1' x 4'



2' x 2'



2' x 4'

Lumen Multipliers:

CCT Multiplier	80 CRI	90 CRI
2700K	0.9	0.75
3000K	0.95	0.8
3500K	0.97	0.82
4000K	1	0.85



LED

5 YEAR
limited warranty

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Dimensions:

