

Solar Series

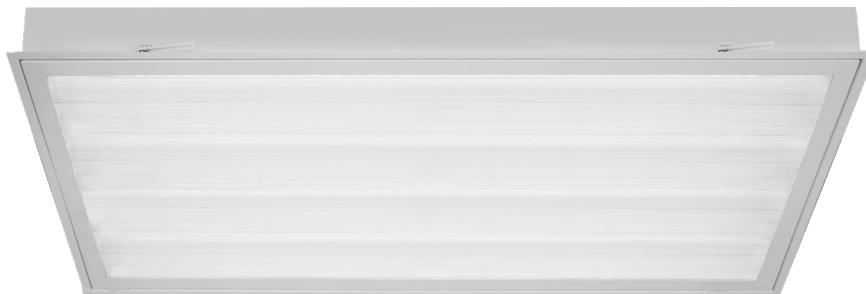
Surgical LED Luminaire

Description:

The Amico Surgical Luminaires use high quality LEDs that come in 80 and 90 CRI options. 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.

Features:

- Hospital grade material and finish
- Glare-free reflectors
- Seam welded
- Long lasting LEDs



Construction Material:

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

Lens: IP65 rated fully enclosed CRS cover with asymmetrical/symmetrical acrylic lens. Optional RFI grid available.

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

Light Source: Samsung LEDs mounted on Aluminum Core PCB.

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

Specifications:

Voltage: 120-277 Volts.

Dimming: 0 - 10 Volts and DALI options available.

Color Quality: 80 CRI, 90 CRI.

Color Temperature: 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.

Warranty: Limited five (5) year warranty.

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Surgical Troffer Lumen Output Tables:

2' x 4'

80+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)	90+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)			
3500K	Low	11,106	101	110	0.849	0.486	3500K	Low	9,440	101	93	0.849	0.486	
	Medium	15,548	148	105	1.239	0.637		3500K	Medium	13,216	148	89	1.239	0.637
	High	20,192	200	101	1.670	0.804			3500K	High	17,164	200	86	1.670
4000K	Low	11,449	101	113	0.849	0.486	4000K			Low	9,732	101	96	0.849
	Medium	16,029	148	108	1.239	0.637		4000K		Medium	13,625	148	92	1.239
	High	20,817	200	104	1.670	0.804			4000K	High	17,694	200	88	1.670
5000K	Low	11,867	101	117	0.849	0.486	5000K			Low	10,239	101	101	0.849
	Medium	16,640	148	112	1.239	0.637		5000K		Medium	14,256	148	96	1.239
	High	21,442	200	107	1.670	0.804			5000K	High	18,225	200	91	1.670

2' x 2'

80+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)	90+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)			
3500K	Low	4,979	48	105	0.406	0.306	3500K	Low	4,232	48	89	0.406	0.306	
	Medium	6,971	70	100	0.588	0.377		3500K	Medium	5,925	70	85	0.588	0.377
	High	9,053	95	96	0.792	0.455			3500K	High	7,695	95	81	0.792
4000K	Low	5,119	48	108	0.406	0.306	4000K			Low	4,352	48	92	0.406
	Medium	7,177	70	103	0.588	0.377		4000K		Medium	6,101	70	87	0.588
	High	9,332	95	99	0.792	0.455			4000K	High	7,932	95	84	0.792
5000K	Low	5,261	48	111	0.406	0.306	5000K			Low	4,472	48	94	0.406
	Medium	7,385	70	106	0.588	0.377		5000K		Medium	6,277	70	90	0.588
	High	9,613	95	102	0.792	0.455			5000K	High	8,171	95	86	0.792

1' x 4'

80+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)	90+ CRI	Output (Lumens)	Input Power (Watts)	Efficacy (Lm/W)	Input Current @ 120V (A)	Input Current @ 277V (A)		
3500K	Low	4,311	47	92	0.406	0.306	3500K	Low	3,665	47	78	0.406	0.306
	Medium	6,036	69	87	0.588	0.377		Medium	5,130	69	74	0.588	0.377
	High	7,839	94	83	0.792	0.455		High	6,663	94	71	0.792	0.455
4000K	Low	4,617	47	99	0.406	0.306	4000K	Low	3,925	47	84	0.406	0.306
	Medium	6,489	69	94	0.588	0.377		Medium	5,516	69	80	0.588	0.377
	High	8,079	94	86	0.792	0.455		High	6,867	94	73	0.792	0.455
5000K	Low	4,552	47	97	0.406	0.306	5000K	Low	3,869	45	83	0.406	0.306
	Medium	6,392	69	92	0.588	0.377		Medium	5,433	66	79	0.588	0.377
	High	8,323	94	88	0.792	0.455		High	7,075	94	75	0.792	0.455

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Ordering Guide:

L - SURG -

Size

Voltage

Color Temperature

CRI

Output

Optics

Mounting Option

Accessories

For Example: L-SURG-14-120-L35-A-L-SY-GM-EM
 Solar Series Surgical LED Luminaire, 1' x 4', 120 V, 3500 Kelvin, 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	14 1' x 4'	120	L35	3500K	A 80	L Low	SY Symmetrical	GM	Grid mount	EM	Emergency battery backup
	22 2' x 2'	277	L40	4000K	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	L50	5000K		H High		HC	Single drywall ceiling	ET	Emergency backup w/two circuit wiring
			CXX	Custom Options		C Custom Lumens				00	No options
**Refer to Lumen output table											

Configurations:



1' x 4'



2' x 2'



2' x 4'

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Dimensions:

