

Solar Series Cleanroom Light

Description:

The CLS series by Amico is a recessed IC-rated IP65 luminaire suitable for ISO Class 3 grid or flanged cleanroom applications. This wet location luminaire features an inset or overlapping door and is triple gasketed for a reliable seal.

The Solar Series Cleanroom light is available in a 2x4, 2x2 and 1x4 model.

Features:

- Hospital grade material and finish
- Glare-free reflectors
- Optional emergency batter pack
- Optional Red LED array
- Seam welded enclosure
- Long lasting LEDs



Construction Material:

Housing: Precision formed, TIG welded, 20 gauge cold rolled steel housing with no visible, external hardware. Other options available (see ordering key).

Mounting: Flange installation is supported by swing style mounting brackets. Grid installation suitable for 1" and 1.5" T-Bar ceilings. See ordering key for additional 2" T-Bar support (option C57).

Ingress Barrier: One piece door frame, fabricated from 18 gauge, cold rolled steel with TIG welded corners. It is retained by stainless steel aircraft cables. Flat head, stainless steel, captive fasteners with integral silicone orings easily secure door frame to housing. Gasket seals door frame to housing.

Lens: Symmetric optic includes diffused impact resistant acrylic lens. Lens sealed to door frame with continuous retention system and supported with stainless steel aircraft cables.

Finish: White, polyester powder painted housing.

Specifications:

Voltage: 120-277 Volts; Consult factory for 347 Volts

Dimming: 0 - 10 Volts and DALI options available

Color Quality: 80 CRI, 90 CRI

Standard Color Temperature: 3500K, 4000K, 5000K (contact factory for optional red LED array)

Life of LEDs: L80 > 50,000 hours

Listings: UL listed for insulated ceilings, wet locations. Suitable for 2500psi pressure spraydown. All electrical components are CSA or UL approved.

Warranty: Limited five (5) year warranty

Solar Series Cleanroom Light

Ordering Guide:

L - CLS -

Size (W x L)	Voltage	CCT	CRI	Door Style	Housing Gauge
14	120	30	A 80-89	I Inset	A 20. Ga. SS #304 - Painted
22	277	35	B 90-99	O Overlapping	B 20 Ga. CRS - Painted
24	347	40			C 18 Ga. SS #316 - Painted
		50			D 16 Ga. (.050") Alum - Painted

Nominal Lumens			Door Gauge		Lens		Options	
Size	Nominal (Lumens)	Input Power (Watts)	A	B	A	B	Driver	Housing Construction
1 x 4	A	3,500	A 20 Ga. CRS - Painted	B 18 Ga. CRS - Painted (Std)	A Frosted High Impact Acrylic (Standard Lens)	B White Frosted Polycarbonate	A Emergency Lighting Battery Pack - LED	B Housing for 2" T-Bar
	B	5,500	C 20. Ga. SS #304 - Painted	D 18 Ga. SS #304 - Painted	C Clear Tempered Glass with Frosted Acrylic Overlay	D High Impact Clear Acrylic 0.125"	C Gloss White Antimicrobial	C Housing for 2" T-Bar
	C	7,000	E 18 Ga. SS #304 - #4 Brushed	F 18 Ga. SS #304 - #4 Brushed	E UV Filter - Below 525nm - 0.125" (Not applicable for NSF)	F Clear Polycarbonate 0.125"	D Red LED Array	D Housing for 2" T-Bar
	D	10,000	G 18 Ga. SS #316 - Painted		G 0.125" Prismatic Acrylic		E Amber LED	E Housing for 2" T-Bar
2 x 2	A	5,500					Mounting Accessories	
	B	7,000					F 1x4 Mounting Plaster Frame Kit (Stainless #304)	
	C	10,000					G 2x2 Mounting Plaster Frame Kit (Stainless #304)	
	D	12,000					H 2x4 Mounting Plaster Frame Kit (Stainless #304)	
	E	18,000					Approval Option	
	F	24,000					N NSF - National Sanitation Foundation (Comes with NSF compliant finish only)	

*Common options shown. Other options may be available, consult factory.
 †90+ CRI reduces lumen output by 20%, not available with 5000K.
 Other options may be available, consult factory. Specifications and data subject to change without notice.

Dimensions:

Size	A	B	C	D	E	F
1 x 4	47 3/4"	11 3/4"	10 11/16"	46 3/4"	10 11/16"	46 3/4"
2 x 2	23 3/4"	22 3/4"	22 11/16"	22 7/8"	22 11/16"	22 7/8"
2 x 4	47 3/4"	23 3/4"	22 11/16"	46 3/4"	22 11/16"	46 3/4"