AURAMED™ CLASSIC MULTI-FUCTION SERIES

NewStarLighting

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____

AAC Series

PRODUCT FEATURES

- Intended for Patient Rooms, Nurses' Stations, Waiting Areas, Lobbies, Medical Office Buildings, and more
- Provides glare-free direct ambient lighting in 2x2 and 2x4 dimensions
- Unique clip design allows for a tool-free lens removal for ease of maintenance
- Optional doorframe and lens provides a flat wipe-down surface for easy cleaning. Wet Location listed
- Recessed Grid or Flange installations. Flange installation uses yoke mounting kit (provided)
- This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA).

ORDERING INFORMATION

EXAMPLE: AACHG22-HC20-OC18/CP12-F3L40-90C-2C-RW-90C-UN-DM1

AACH				/			
Series	**Mounting** **G** = Grid **F** = Flange	**Size*** **22** = 2x2 **24** = 2x4 *Nominal Size. Dimensional Data on Page 2.	**Housing** **HC20** = 20Ga. CRS Painted **HA16** = 16Ga. Alum Painted	**Optional Doorframe** **blank** = No Doorframe* **OC18** = Overlap 18Ga. CRS Painted **OC16** = Overlap 16Ga. Alum Painted **IC20** = Inset 20Ga. CRS Painted **IA16** = Inset 16Ga. Alum. Painted *If no frame is specified, do not select a frame lens. Damp location rated without a doorframe.	**Doorframe Lens** **blank** = No Doorframe Lens* **CP12** = .125 Clear Poly. **CA12** = .125 Clear Acrylic **CP18** = .187 Clear Poly. **CA18** = .187 Clear Acrylic *If no frame is specified, do not select a frame lens.	**Function*** **F2** = 2 Functions (Ambient & Exam) **F3L** = 3 Functions (Low Reading, Ambient & Exam) **F3H** = 3 Functions (High Reading, Ambient & Exam)** *Subject to change. Performance Data on page 3. **N/A with AACH22	**Color Temp.** **30** = 3000K **35** = 3000K **40** = 4000K **50** = 5000K **TW1** = Tunable White 2700K to 5000K **TW2** = Tunable White 2700K to 6500K

		RW				
CRI **80C** = 80 CRI **90C** = 90 CRI	**Circuits** **1C =** 1 Circuits **2C =** 2 Circuits* *Allows for Inboard/Outboard control.	**Diffuser** **RW** = White Polycarbonate	**Voltage** **12** = 120V **27** = 277V **UN** = Universal (120-277V)	**Driver** **DM1** = 0-10V Dimming to 1% **Tunable White Driver*:** **TWD =** 2-Channel 0-10V DALI8 **DALI8 =** 1-Channel Dali8 *Tunable White Driver requires choice of TW1 or TW2 in Color Temp. column	**Options** **FZ1** = Fuse (120V) **FZ2** = Fuse (277V) **TH** = Tamper-resistant Torx® head fasteners **LV3 =** Independent Load Dimming Low Voltage Controller* **LVD =** Multi-load Dimming Low Voltage Controller* *Leave blank when FSD is specified. If no control system (and FSD is not specified), all functions will be on independent line voltage circuits. **Click HERE for more information. Provides control of lighting from a pillow speaker, bedside rail or wall switch	**Accessory** **PF** = Plaster Frame Kit* **EL1** = Remote Emergency Battery (10W)** **EL2** = Remote Emergency Battery (20W)** *Consult factory for details. **Consult factory for CA Title 24 options. If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. Provided with test switch on a wall plate unless otherwise specified. Requires unswitched line.

New Star Lighting
2225 W Pershing Rd, Chicago, IL 60609
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SPECIFICATIONS

HOUSING: 20-Gauge formed cold rolled steel or 16-gauge aluminum housing with continuous seam welds.

DOORFRAME: Optional die formed cold rolled steel or aluminum doorframe. Black neoprene gasket between the housing and doorframe.

LENS: Optional die-formed cold rolled steel or aluminum doorframe and optional .125" or .187" clear polycarbonate or acrylic lens to provide a flat wipe-down surface for easy cleaning. Black neoprene gasket between the housing and doorframe.

LED: LED sources available in four color temperatures 3000K, 3500K, 4000K and 5000K with maximum 3-step MacAdam variation allowance. Tunable White also available, from 2700K - 5000K or 2700K- 6500K. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.90 PF). Each function is independently circuited for individual control. Standard 0-10V dimming with 1-100% range for ambient and reading functions. Step dimming options available.

OPTIONAL TUNABLE WHITE DRIVERS:

DALI8 - DALI Type 8 (One DALI Address)
TW0 - Two Channel 0-10V dimming; one channel for brightness, one channel for CCT

LOW VOLTAGE CONTROL: The LVD allows multiple loads (functions) to turn on at once to achieve specified light levels. It is factory set to provide: Load 1 (reading) with 0-10V dimming control, Load 1 + 2 (ambient) with 0-10V dimming control, and Load 1 + 2 + 3 (exam) for on/off control. The LVD is provided on one circuit that operates through low voltage. The exam function can be wired to a low voltage wall switch (all drivers are connected to one low voltage controller)

FASTENERS: Stainless steel Philips flat head fasteners with captive cage nuts when doorframe option is selected.

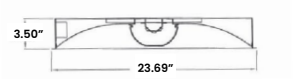
FINISH: White antimicrobial polyester powder coat finish following multi-stage iron phosphate pretreatment.

INSTALLATION: Grid or Flange installation. Grid installation compatible with 1-1/2" and 15/16" Grid systems. Flange installation uses yoke mounting kit (provided). Mounting for custom ceilings available, consult factory.

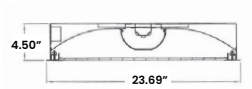
WARRANTY: 5 Year Warranty.

LABEL: Fixture is certified to UL standards by Intertek Testing Laboratories for Wet Location (under covered ceiling) when a doorframe is used.This product was Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA).

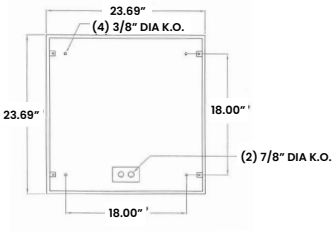
DIMENSIONAL DATA



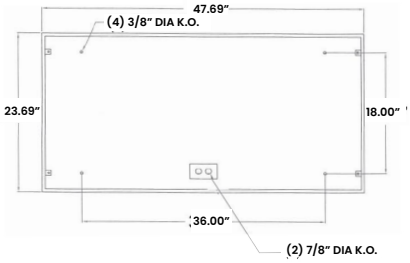
CROSS SECTION WITHOUT DOOR



CROSS SECTION WITH DOOR

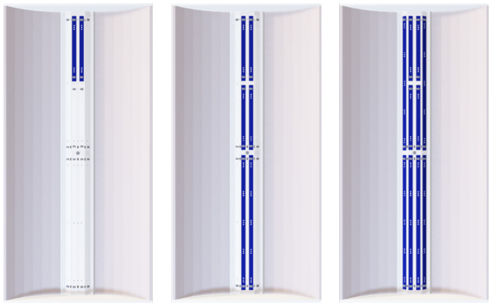


AAC22 BACKVIEW



AAC24 BACKVIEW

LOW VOLTAGE CONTROL DIAGRAM



Link 1 **Link 2** **Link 3**

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Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

PERFORMANCE DATA*

*Data is with 80 CRI chip. Tested without an outer lens. LEDs are frequently updated therefore values may change without notice.

MODEL	FUNCTION	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
AACH22	F2 = Ambient & Exam	Ambient	30 = 3000K	2450	98	25
			35 = 3500K	2575	103	25
			40 = 4000K	2650	106	25
			50 = 5000K	2725	109	25
		Exam = All LED boards	30 = 3000K	4750	95	50
			35 = 3500K	5000	100	50
			40 = 4000K	5150	103	50
			50 = 5000K	5300	106	50
	F3L = Low Reading, Exam	Low Reading	30 = 3000K	1250	100	12.5
			35 = 3500K	1313	105	12.5
			40 = 4000K	1350	108	12.5
			50 = 5000K	1388	111	12.5
		Ambient = Reading + Ambient	30 = 3000K	2450	109	25
			35 = 3500K	2575	114	25
			40 = 4000K	2650	117	25
			50 = 5000K	2725	120	25
		Exam = All LED boards	30 = 3000K	4750	95	50
			35 = 3500K	5000	100	50
			40 = 4000K	5150	103	50
			50 = 5000K	5300	106	50

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PERFORMANCE DATA*

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MODEL	FUNCTION	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
AACH24	F2 = Ambient & Exam	Ambient	30 = 3000K	5450	109	50
			35 = 3500K	5700	114	50
			40 = 4000K	5850	117	50
			50 = 5000K	6000	120	50
		Exam = All LED boards	30 = 3000K	10600	106	100
			35 = 3500K	11100	111	100
			40 = 4000K	11400	114	100
			50 = 5000K	11700	117	100
	F3L = Low Reading, Exam	Low Reading	30 = 3000K	1362.5	109	12.5
			35 = 3500K	1425	114	12.5
			40 = 4000K	1475	118	12.5
			50 = 5000K	1512	121	12.5
		Ambient = Reading + Ambient	30 = 3000K	5400	108	50
			35 = 3500K	5650	113	50
			40 = 4000K	5850	117	50
			50 = 5000K	6000	120	50
		Exam = All LED boards	30 = 3000K	10600	106	100
			35 = 3500K	11100	111	100
			40 = 4000K	11400	114	100
			50 = 5000K	11800	118	100
	F3H = High Reading, Ambient Exam	High Reading	30 = 3000K	2625	105	25
			35 = 3500K	2750	110	25
			40 = 4000K	2826	113	25
			50 = 5000K	2900	116	25
		Ambient = Reading + Ambient	30 = 3000K	5400	108	50
			35 = 3500K	5650	113	50
			40 = 4000K	5850	117	50
			50 = 5000K	6000	120	50
		Exam = All LED boards	30 = 3000K	10600	106	100
			35 = 3500K	11100	111	100
			40 = 4000K	11400	114	100
			50 = 5000K	11800	118	100

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