# AURAMED™ CLASSIC MULTI-FUCTION SERIES > NewStarLighting



PROJECT:
TYPE:
PRODUCT:
APPROVED BY:

#### **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).



**AACH Series** 











### **ORDERING INFORMATION**

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

AACH			I	1			
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 OA16 = 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 TWI = 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 DMI = 0-10V Dimming to 1%  Tunable White Driver*: TW0 = 2-Channel 0-10V DALI8 DALI8 = 1-Channel Dali8  *Tunable White Driver requires choice of TWI or TW2 in Color Temp. column	Dimming/Control blank = No Dimming/Control* 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	Options FZI = Fuse (120V) FZ2 = Fuse (277V) TH = Tamper- resistant Torx® head fasteners	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.



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

## **AURAMED™ CLASSIC MULTI-FUCTION** SERIES



#### **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)
TWO - 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.

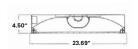
WARRANTY: 5 Year Warranty.

**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 (BAAA), and the Build America, Buy America Act (BABAA).

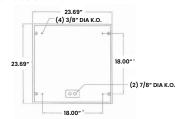
#### **DIMENSIONAL DATA**



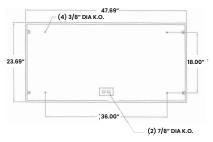
**CROSS SECTION WITHOUT DOOR** 



**CROSS SECTION WITH DOOR** 

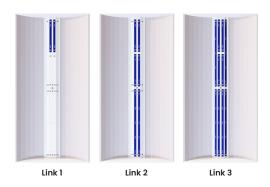


**AAC22 BACKVIEW** 



**AAC24 BACKVIEW** 

#### LOW VOLTAGE CONTROL DIAGRAM





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### **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 (Im/W)	INPUT POWER (W)
	F2 = Ambient & Exam	Ambient -	30 = 3000K	2450	98	25
			35 = 3500K	2575	103	25
			40 = 4000K	2650	106	25
			50 = 5000K	2725	109	25
			30 = 3000K	4750	95	50
		Evam - All IED boards	35 = 3500K	5000	100	50
		Exam = All LED boards	40 = 4000K	5150	103	50
			50 = 5000K	5300	106	50
	F3L = Low Reading, Exam		30 = 3000K	1250 100	12.5	
AACH22		Low Reading	35 = 3500K	1313	105	12.5
AACH22		Low Redding	40 = 4000K	1350	108	50 50 50 50 50 12.5
			50 = 5000K	1388	111	12.5
			30 = 3000K	2450	109	25
		Ambient = Reading +	35 = 3500K	2575	114	25
		Ambient	40 = 4000K	2650	117	50 12.5 12.5 12.5 12.5 25 25 25 25
			50 = 5000K	2725	120	25
			30 = 3000K	4750	95	50
		Exam = All LED boards	35 = 3500K	5000	100	50
		EXCITI - All LED DOCITOS	40 = 4000K	5150	103	50
			50 = 5000K	5300	106	50

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MODEL	FUNCTION	ОИТРИТ	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (Im/W)	INPUT POWER (W)
	F2 = Ambient & Exam		30 = 3000K 5450 109		50	
			35 = 3500K	5700	114	50
		Ambient	40 = 4000K	5850	117	50
			50 = 5000K	6000	120	50
			30 = 3000K	10600	106	100
		Exam = All LED boards	35 = 3500K	11100	111	100
			40 = 4000K	11400	114	100
			50 = 5000K	11700	117	100
			30 = 3000K 1362.5	109	12.5	
		Law Danding	35 = 3500K	1425	114	12.5
		Low Reading	40 = 4000K	1475	118	12.5
			50 = 5000K	1512	121	12.5
	F3L = Low Reading, Exam		30 = 3000K	5400	108	50
		Ambient = Reading +	+ 35 = 3500K 5650 113 40 = 4000K 5850 117	50		
		Ambient	40 = 4000K	5850	117	50
AACH24			50 = 5000K	6000	120	50
ААСП24		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		30 = 3000K	2625	105	25
		High Reading	35 = 3500K	2750	110	25
		riigir keddirig	40 = 4000K 2826 113	113	25	
			50 = 5000K	2900	116	25
			30 = 3000K 5-	5400	108	50
		Ambient = Reading +	35 = 3500K	5650	113	50
		Ambient	40 = 4000K	5850	117	50
			50 = 5000K	6000	120	50
			30 = 3000K	10600	106	100
		Exam = All LED boards	35 = 3500K	11100	111	100
		LAGITI - AII LED DOGIUS	40 = 4000K	11400	114	100
			50 = 5000K	11800	118	100