AURAMED™ CLASSIC MULTI-FUNCTION SERIES

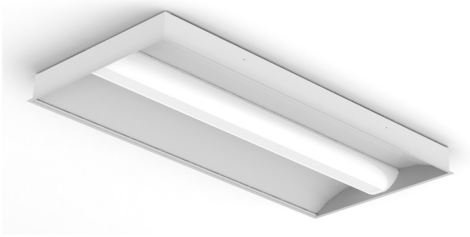
NewStarLighting

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____



AAC

PRODUCT FEATURES

- Intended for Patient Rooms, Skilled Nursing Facilities, Assisted Living, Clinics, and more
- Provides reading, ambient and exam illumination in 2x2 and 2x4 dimensions
- Optional doorframe and lens provides a flat wipe-down surface for easy cleaning. Wet Location listed
- Low Voltage Control options provides lighting control interface to a pillow speaker, bed side rail or other low voltage devices
- 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 requirement

ORDERING INFORMATION

EXAMPLE: AACG22-HC20-OC18/CP12-L3402C-RW-UN

AAC						
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* **OA18** = Overlap 18Ga. CRS Painted **OA16** = Overlap 16Ga. Alum Painted **IC20** = Inset 20Ga. CRS Painted **IA16** = Inset 20Ga. CRS 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 (Low Reading, Ambient & Exam)** **FSD** = Step Dimming Functions (30-70-200%)*** *Subject to change. Performance Data on page 3. **N/A with AACH22. ***Consult factory for different configurations. All LED boards will be illuminated and step dimmed at specified levels. Cannot be used with additional dimming or control systems.

	RW					
Color Temp. **30** = 3000K **35** = 3000K **40** = 4000K **50** = 5000K **TW1** = Tunable White 2700K to 5000K **TW2** = Tunable White 2700K to 6500K	**Diffuser** **RW** = White Polycarbonate	**Voltage** **12** = 120V **27** = 277V **UN** = Universal (120-277V)	**Driver Type** **DM1** = 0-10V Dimming to 1% **Tunable White Driver*:** **DALI8** = 1-Channel **TW0** = 2-Channel 0-10V **Allows for Inboard/ Outboard Control.	**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** **FZ1** = Fuse (120V) **FZ2** = Fuse (277V) **TH** = Tamper-resistant Torx® head fasteners* *Allows for Inboard/ Outboard control.	**Accessory** **PF** = Plaster Frame Kit* **EL1** = Remote Emergency Battery (10W)** **EL2** = Remote Emergency Battery (10W)** *Consult factory for details. ***Provided with test switch on a wall plate unless otherwise specified. Requires unswitched line.

New Star Lighting
2225 W Pershing Rd, Chicago, IL 60609
(773) 847-1400
www.newstarlighting.com

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, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277VAC 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.95 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 TW DRIVERS:

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

LOW VOLTAGE CONTROL: Two Low Voltage Control (LVC) options; Voltage-specific LV2 controls ambient and reading functions without dimming (on/off function only). LV3 option controls ambient function with dimming, reading is non-dimming (on/off). WIth either LVC option, Exam and Night Light are on separate line voltage circuits. One low voltage controller per pair is recommended. Leads are factory labeled for field installation. Controls and additional accessories by others.

FASTENERS: Stainless steel Philips flat head fasteners with captive cage nuts.

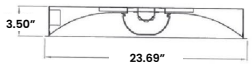
FINISH: White antimicrobial powder coat finish following multi-stage iron phosphate pretreatment.

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.

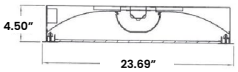
WARRANTY: 5 Year Warranty.

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 requirements.

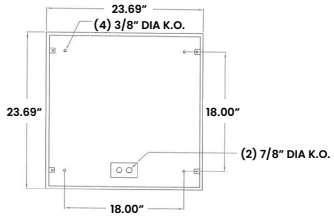
DIMENSIONAL DATA



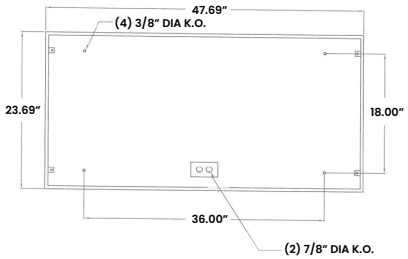
CROSS SECTION WITHOUT DOOR



CROSS SECTION WITH DOOR



AAC22 BACKVIEW



AAC24 BACKVIEW

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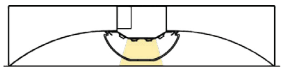
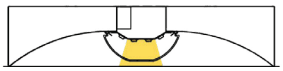
FUNCTIONALITY*

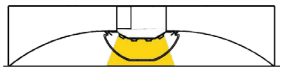
*Below configuration is an example of a 3 function fixture (F3L). Light levels are achieved when functions are used in conjunction with one another. Note, Step Dimming (FSD) will illuminate all LED boards and will be step dimmed to achieve specified light levels.



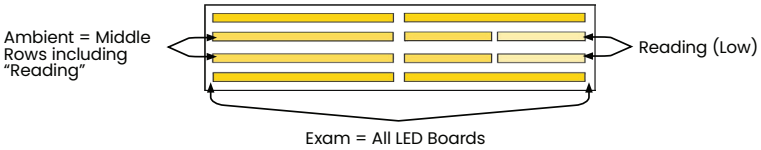
READING
Portion of inner LED boards are illuminated to achieve specified reading light levels



AMBIENT
Inner LED boards are illuminated to achieve ambient light levels (reading + ambient)



EXAM
All LED boards are illuminated to achieve exam light levels (reading + ambient + exam)



PERFORMANCE DATA*

*Data is with 80 CRI chip and 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	98	25
			35 = 3500K	2575	109	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

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PERFORMANCE DATA CONT.*

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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, Ambient 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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