

CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_

**FEATURES**

- Attractive and efficient architectural fixture delivers comfortable, uniform illumination
- Delivers illumination ranging from high output for high ceiling applications to low, ambient light levels
- Shallow fixture depth allows for use in limited plenum applications
- Frosted acrylic diffusers combined with highly reflective matte white paint provide high optical efficiencies and visual comfort
- One-piece diffusers eliminate the need for separate overlays
- Room-side access to all components without the use of tools
- Integral T-bar clips quickly secure fixture to structure
- Made Right Here® in the USA

**SPECIFICATIONS**

- HOUSING** – .032" formed aluminum.
- SHIELDING** – Frosted, ribbed acrylic diffusers.
- FINISH** – Highly-reflective non-glare matte white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High quality mid-power LED boards. Rated >50,000 hours at 70% lumen maintenance (L70).
- MOUNTING** – Designed for NEMA Type "G" 1" grid ceiling standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. For flange installations use the Drywall Kit (DFK), see [Technical Info](#).
- LISTINGS** –
  - cETLus conforms to UL STD 1598 and UL STD 8750.
  - Certified to CAN/CSA STD C22.2 No. 250.0.
  - Suitable for damp locations.
  - City of Chicago Environmental Air approved when specified with CP option.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: AHT G - 2 4 - L150/840 - A - OPTIONS - DIM - UNV**

**ORDERING INFO**

SERIES	CEILING TYPE	WIDTH	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT
AHT	G	NEMA Type "G" <sup>[2]</sup>	2 2'	2'	8 80	30 3000K
				4 4'		L40 4,000lm
			4'	L60 6,000lm	40 4000K	
				L76 7,600lm	50 5000K	
				L40 4,000lm		
				L80 8,000lm		
				L120 12,000lm		
				L150 15,000lm		
				L200 20,000lm		

**SHIELDING**

A Frosted, ribbed acrylic diffusers

**OPTIONS <sup>[3]</sup>**

- EM/10W** 10-watt emergency battery <sup>[5]</sup>
- EQCLIPS** Earthquake clips <sup>[6]</sup>
- (L\_\_)** Additional lower lumen packages available  
Example: 8,500 lumens = AHTG-24-L120/850-(L85) <sup>[7]</sup>
- CP** Chicago Plenum (CCEA)
- SS** Sani-shield acrylic cover with double gasket <sup>[8]</sup>
- SS/PC** Sani-shield polycarbonate cover with double gasket <sup>[9]</sup>

**CONTROL <sup>[4]</sup>**

- DIM** Dimming driver
- DRV** Non-dimming driver

**VOLTAGE**

- 120 120V**
- 277 277V**
- UNV 120-277V**
- 347 347V <sup>[10]</sup>**

**NOTES**

- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).
- See page 3 for FLEXIBLE WHIP OPTIONS. See Technical Info for Drywall Kit and Power Entry details.
- See page 2 for ADDITIONAL CONTROL OPTIONS.
- Not available with L120 lumen package.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Increases fixture depth. Reduces lumen output by 10%. See page 2 for CROSS SECTIONS. See page 3 for GASKETING DETAILS.
- Increases fixture depth. Reduces lumen output by 10%. See page 2 for CROSS SECTIONS. See page 3 for GASKETING DETAILS.
- Not available with EM batteries.



## FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	A		SS		SS/PC	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
2'	L40	34.2	4086	119.6	3718	108.8	3637	106.4
	L60	52.6	6083	115.8	5536	105.3	5414	103.0
	L76	62.4	7645	122.6	6957	111.6	6804	109.1
4'	L40	30.4	3924	129.1	3571	117.5	3492	114.9
	L80	65.3	8036	123.0	7313	112.0	7152	109.5
	L120	105.1	12166	115.7	11071	105.3	10828	103.0
	L150	122.3	15025	122.8	13673	111.8	13372	109.3
	L200	171.1	20252	118.4	18429	107.7	18024	105.3

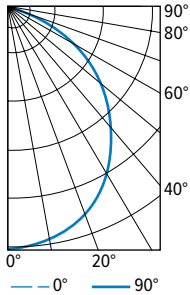
### MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

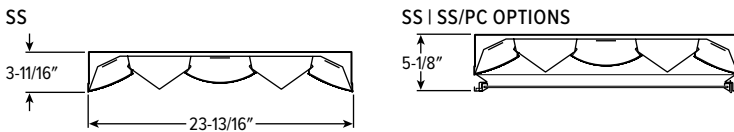
AHTG-24-L150/835-A-DIM-UNV Total Luminaire Output: 15025 lumens; 122.3 Watts | Efficacy: 123 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	6347	6347	6347	
	5	6320	6316	6313	599
	15	5950	5909	5878	1680
	25	5376	5327	5250	2456
	35	4559	4525	4450	2818
	45	3568	3653	3636	2784
	55	2455	2642	2599	2303
	65	1510	1662	1323	1520
	75	704	641	458	696
	85	181	135	120	171
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	4735	32
	0 - 40	7552	50
	0 - 60	12639	84
	0 - 90	15025	100
	0 - 180	15025	100

## CROSS SECTIONS



## ADDITIONAL CONTROL OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

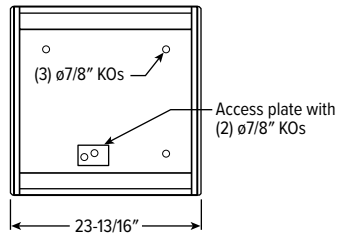
CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V or 277V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls



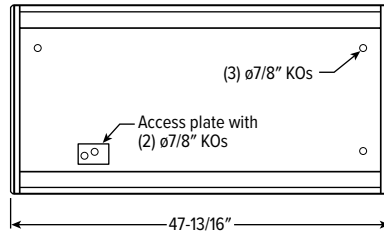
## FIXTURE DETAILS

### BACKVIEW

2x2

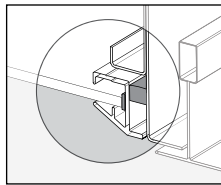


2x4



## GASKETING DETAILS

### SANI-SHIELD OPTION GASKETING



Protective acrylic shield with double gasket. Foam gasketing is factory-installed continuously between door frame and luminaire housing and between door frame and lens.

## FLEXIBLE WHIP OPTIONS

All Williams recessed troffers are available with a flexible metallic wiring harness, factory-attached and hard-wired to the luminaire. See ordering information table.

Straight connectors are a snap-in type. Consult factory for wiring harness utilizing connectors secured by lock nuts, optional flex size, lengths, and other wire sizes or circuitry. Three-wire flex utilizes black, white, and green wire. Four-wire flex utilizes black, white, red, and green wire. Adding an emergency option requires an additional wire.

Williams fixtures are UL listed to provide factory-installation of several manufacturers' modular wiring devices. Consult factory for availability and ordering information.

DESIGNATION	DESCRIPTION	DRIVER
F338	6' of 3/8" flex, (3) No. 18 AWG wires with (2) straight connectors	DRV, LTE LINE
F348	6' of 3/8" flex, (4) No. 18 AWG wires with (2) straight connectors	SD40
F334	6' of 3/8" flex, (3) No. 14 AWG wires with (2) straight connectors	DRV, LTE LINE
F344	6' of 3/8" flex, (4) No. 14 AWG wires with (2) straight connectors	SD40
F358	6' of 3/8" flex, (5) #18 AWG wires with (2) straight connectors	DIM, DALI

