

ARCHITECTURAL SURFACE MOUNT

ASM

tunable **WHITE** | PoE

CATALOG #:

PROJECT:

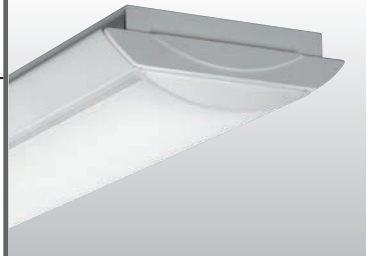
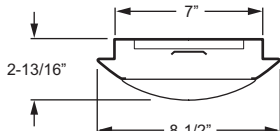
TYPE:

NOTES:

EXAMPLE **ASM - 4 - P33/835 - P - F - A - AC(Y12)/D24 - OPTIONS - POE N**

SERIES NOMINAL LENGTH LUMEN PACKAGE CRI & CCT MOUNTING TYPE FIXTURE TYPE SHIELDING MOUNTING OPTIONS/ACCESSORIES CONTROL

CROSS SECTION



ORDERING INFORMATION

SERIES
ASM Architectural Surface Mount – PoE

NOMINAL LENGTH
4 4'
8 8'

LED PACKAGE

EXAMPLE: P33/835		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
4'		
P23	2,300	16
P33	3,300	25
8'		
P35	3,500	24
P69	6,900	50

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see fixture performance data.

CRI & CCT

830	82 CRI, 3000K
835	82 CRI, 3500K
840	82 CRI, 4000K
8TW	Tunable white (80 CRI, 3000K–5000K)

MOUNTING TYPE
 See page 3 for details
S Surface
P Suspended
R Semi-recessed (available in stand-alone fixtures only)

FIXTURE TYPE (Surface or suspended only)

F	Feeder unit, two end caps packed with fixture. Suspended includes straight white cord standard
J	Joiner unit, no end caps. Suspended includes straight white cord standard
S	Stand-alone unit, two end caps included. Suspended includes straight white cord standard

SHIELDING
A Ribbed acrylic diffuser

MOUNTING (Suspended mounting type only)
 See page 3 for details.

EXAMPLE: AC(Y12)/D24		
PREFIX	TYPE	LENGTH
ADJUSTABLE AIRCRAFT CABLE		
AC(Y12)/	D = 1" grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"
PENDANT MOUNT USING STEM (3/8" IPS) AND CANOPY (Ø5")		
SS-__		Specify length in inches (4" minimum)

Note: Power cord provided with aircraft cables only

OPTIONS

EM/CP12	Remote mount 12-watt Iota emergency LED battery (requires one additional category cable run to switch, see page 3 for details.)
AMW	Anti-microbial white finish

ACCESSORIES
 See hew.com/poe for compatible sensors & switches

CONTROL
 For additional PoE info, see hew.com/poe
 Node requires remote mounting, see page 3 for details.
POEN Power over Ethernet network node
POED Power over Ethernet device node (not available for fixtures over 40W)

FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Efficacies up to 147 lm/W.
- ▶ Surface or semi-recessed mount for ultra-low-profile appearance.
- ▶ Suspended mount available.
- ▶ Decorative die-cast aluminum end caps provide high-end appearance.
- ▶ Optional anti-microbial white finish available for use in healthcare applications.
- ▶ This fixture is proudly made in the USA.

SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See hew.com/poe for details



SPECIFICATIONS

Housing – .040" die-formed aluminum with die-cast decorative end caps.

Shielding – Ribbed acrylic diffuser.

Finish – Textured matte white polyester TGIC 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 board. L70 > 50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.

Mounting – Semi-recessed in NEMA Type "G" ceiling, surface, or suspended.

Labels – cCSAus certified as luminaire suitable for dry or damp locations.

Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

FIXTURE PERFORMANCE DATA

STANDARD

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'			
P23	2342	16.0	146.4
P33	3343	25.0	133.7
8'			
P35	3536	24.0	147.3
P69	6943	50.0	138.9

TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'			
P23	2307	16.0	137.8
P33	3333	25.0	133.3
8'			
P35	3511	25.0	140.4
P69	6945	50.0	138.9

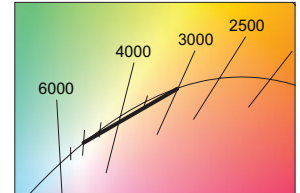
MULTIPLIER TABLES

STANDARD

CCT	CONVERSION FACTOR
3000K	0.99
3500K	1.00
4000K	1.03

TUNABLE WHITE

CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96

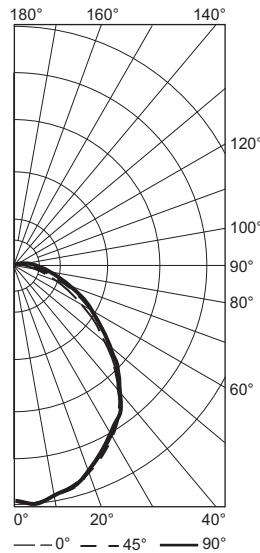


- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

ASM-4-P33/835-A-S Total Luminaire Output: 3343 lumens; 25 Watts

Efficacy: 134 lm/W | 82 CRI; 3456K CCT | IES Spacing Crit.: End: 1.2, Across: 1.2, Diag.: 1.2

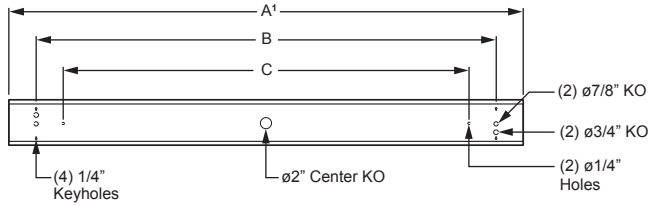


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1280	1280	1280	
5	1301	1299	1299	123
15	1243	1240	1235	347
25	1125	1117	1113	513
35	977	976	976	603
45	746	767	773	586
55	500	546	557	482
65	294	359	372	345
75	135	205	219	205
85	35	98	118	97
90	9	56	80	
95	0	29	51	32
105	0	0	17	7
115	0	0	0	1
125	0	0	0	0
135	0	0	0	0
145	0	0	0	0
155	0	0	0	0
165	0	0	0	0
175	0	0	0	0
185	0	0	0	0

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	983	29
	0 - 40	1587	48
	0 - 60	2655	79
	0 - 90	3302	99
	90 - 120	41	1
	90 - 150	41	1
	90 - 180	41	1
	0 - 180	3343	100

FIXTURE DETAILS

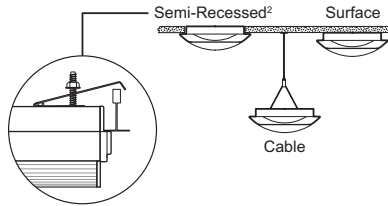
BACK VIEW



	A ¹	B	C
4'	46-13/16"	40"	32"
8'	93-5/8"	87"	80"

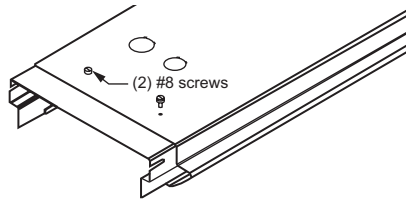
¹ Dimension A is for row-mounted units without end caps. End caps add 3/4" to dimension A.

MOUNTING TYPES



² Semi-recessed model is suitable for installation in NEMA Type "G" ceiling system of 1" wide (nominal) tees mounted across ends of fixture 48" O.C., using factory furnished mounting brackets. Fixtures may be mounted in continuous row. Ceiling tiles are supported along sides by fixture housing. Fixture protrudes 2" below ceiling plane.

ROW ALIGNER (Not available with semi-recessed units.)



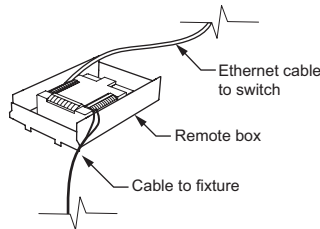
REMOTE MOUNT DETAILS

Includes 2' plenum-rated 18ga. solid cable.
Remote box can be installed in:

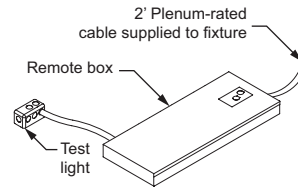
- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See [Technical Info](#) for dimension details.

NODE

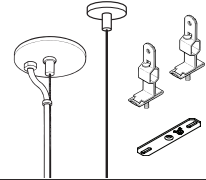


NODE AND EM OPTION

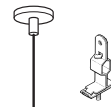


STANDARD SUSPENDED HARDWARE (GRID AND HARDPAN)

FEEDER



Joiner



Notes:

- Fixtures are provided with adjustable length aircraft cables with two-point "Y" connectors and mounting hardware, must specify.
- Electrical supply is brought into each fixture, either as part of a row or as a stand-alone unit. One power drop per node required.