

CATALOG #: _____

Type: _____

PROJECT: _____

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
- Fixture can be surface mounted or semi-recessed for ultra-low-profile look
- Aircraft cable or pendant mount fixture for additional mounting choices
- Decorative die-cast aluminum end caps provide high-end appearance
- Optional anti-microbial white finish available for use in healthcare applications
- Maximize energy savings with efficacies as high as 147 lm/W
- Made Right Here® 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** – Electrical – High quality mid-power LED boards. 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 (ceiling or wall), or suspended.
- LISTINGS** – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

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

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT	MOUNTING TYPE	FIXTURE TYPE ^[2]
ASM	4 4'	P23 2,300lm	8 80	27 2700K	S Surface	F Feeder unit ^[5]
	8 8'	P33 3,300lm	9 90 ^[3]	30 3000K	P Suspended	J Joiner unit ^[6]
		P35 3,500lm		35 3500K	R Semi-recessed ^[4]	S Stand-alone unit ^[7]
		P69 6,900lm		40 4000K		
				50 5000K		
				TW Tunable white (80 CRI, 3000K-5000K)		

SHIELDING ^[8]	MOUNTING (EXAMPLE: AC(Y12)/D24) ^[9]	OPTIONS ^[10]
A Ribbed acrylic diffuser	ADJUSTABLE AIRCRAFT CABLE	EM/CP12 Remote mount 12-watt lora emergency battery
	Prefix Type Length	AMW Anti-microbial white finish
	AC(Y12)/ D 1" grid & hardpan 24 24"	(L___) Additional lower lumen packages available.
	N 9/16" grid 48 48"	Example: 3,500 lumens = ASM-4-L46/835-A-(L35) ^[11]
	S Slot grid 96 96"	
	PENDANT MOUNT ^[12]	
	SS-___ Specify length in inches ^[13]	

CONTROL ^[14]

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node ^[15]

NOTES

- Lumens based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Surface or suspended only.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- Available in stand-alone fixtures only.
- Two end caps packed with fixture. Suspended includes straight white cord standard.
- No end caps. Suspended includes straight white cord standard.
- Two end caps included. Suspended includes straight white cord standard.
- See hew.com/poe for compatible sensors and switches.
- See page 4 for MOUNTING DETAILS. Power cord provided with aircraft cables only. Specify with suspended mounting type only.
- See hew.com/poe for compatible sensors and switches.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- 3/8" IPS Stem and ø5" canopy.
- 4" minimum.
- Node requires remote mounting. See page 2 for REMOTE MOUNT DETAILS. For additional PoE info, see hew.com/poe
- Not available for fixtures over 40W.

FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	P23	2300	17.3	132.9
	P33	3340	25.0	133.5
8'	P35	3561	24.2	147.3
	P69	6950	48.5	143.3

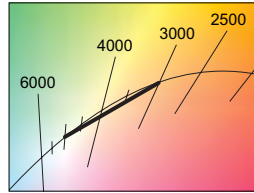
TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	P23	2329	17.6	132.1
	P33	3312	26.0	127.3
8'	P35	3543	26.8	132.1
	P69	6939	50.3	137.9

MULTIPLIER TABLE

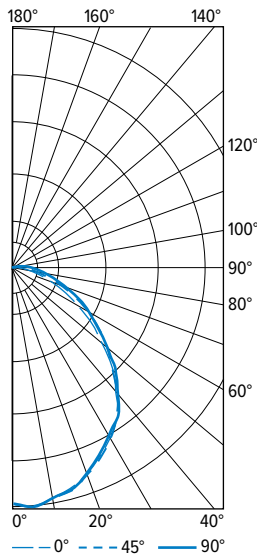
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

- 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: 3340 lumens; 25 Watts | Efficacy: 133.5 lm/W | 80 CRI; 3500K CCT

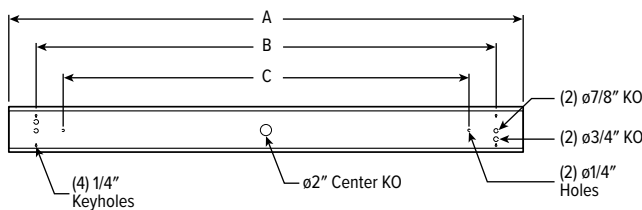


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1278	1278	1278	
5	1299	1298	1298	122
15	1243	1239	1235	347
25	1124	1116	1111	513
35	977	976	976	603
45	746	767	772	585
55	500	546	556	482
65	293	359	372	344
75	135	205	218	205
85	34	97	118	97
90	8	55	79	
95	0	29	51	32
105	0	0	17	7
115	0	0	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
180	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	983	29
	0 - 40	1586	48
	0 - 60	2653	79
	0 - 90	3299	99
	90 - 120	40	1
	90 - 150	41	1
	90 - 180	41	1
	0 - 180	3340	100

FIXTURE DETAILS

BACKVIEW



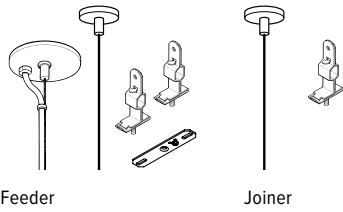
	A	B	C
4'	46-13/16"	40"	32"
8'	93-5/8"	87"	80"

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



MOUNTING DETAILS

STANDARD HARDWARE (Grid and Hardpan)

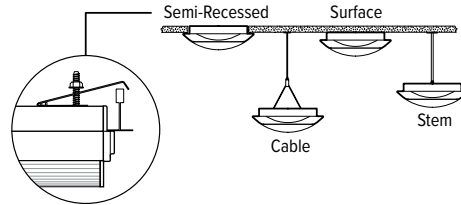


Feeder

Joiner

- 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.

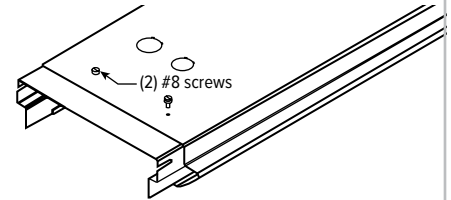
CONTINUOUS ROW



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)

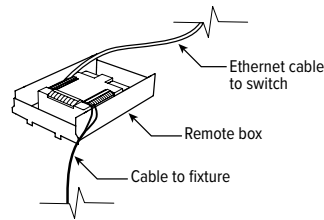


REMOTE MOUNT DETAILS

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

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

NODE



NODE AND EM OPTION

