ASM
PoE | tunable WHITE
Architectural Surface Mount

Williams®

7"
2-13/16"
8-1/2"

CATALOG #: _____

Type: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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

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 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.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/platformatics
- Consult factory for design support

P PLATFORMATICS®

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

ORDERING INFO

SERIES	LENGTH	LUMENS [1]		CRI	CCT		MOUNTING TYPE	FIXTURE TYPE [2]
ASM	4 4'	4'		8 80	27	2700K	S Surface	F Feeder unit [6]
	8 8' [3]	P23	2,300lm	9 90 [4]	30	3000K	P Suspended	J Joiner unit [7]
		P33	3,300lm		35	3500K	R Semi-recessed [5]	S Stand-alone unit [8]
		8'			40	4000K		
		P35	3,500lm		50	5000K		
		P69	6,900lm		TW	Tunable white (3000K–5000K)		
					TW2	Tunable white (2700K-6500K)		

SHIELDING	MOUNTING (EXAMPLE: AC(Y12)/D24) [9]			OPTIONS [10]
A Ribbed acrylic diffuser	**ADJUSTABLE AIRCRAFT CABLE**			**AMW** Anti-microbial white finish
	Prefix	Type	Length	
	AC(Y12)/	D 1" grid & hardpan	24 24"	
		N 9/16" grid	48 48"	
		S Slot grid	96 96"	
	PENDANT MOUNT [11]			
	SS-__	Specify length in inches [12]		

CONTROL [13]

POE PR Power over Ethernet, Platformatics-ready

NOTES

1. Lumens based on 80 CRI, 3000K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
2. Surface or suspended only.
3. Ships with (2) 4' lenses.
4. Extended lead times may apply. Consult factory for availability.
5. Available in stand-alone fixtures only.
6. Two end caps packed with fixture. Suspended includes straight white cord standard.
7. No end caps. Suspended includes straight white cord standard.
8. Two end caps included. Suspended includes straight white cord standard.
9. See page 3 for MOUNTING DETAILS. Power cord provided with aircraft cables only. Specify with suspended mounting type only.
10. See page 3 for FINISH OPTIONS.
11. 3/8" IPS Stem and ø5" canopy.
12. 4" minimum. Two stem sets required. One additional stem set required for each row mounted fixture.
13. See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/platformatics.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065 ■ Designed and Manufactured in the USA
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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	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC 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%
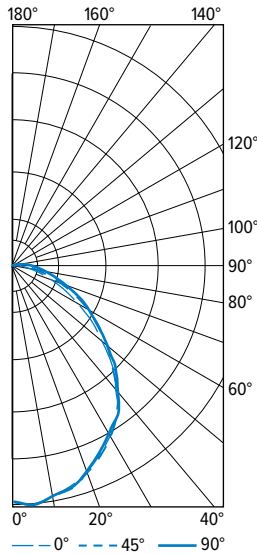- Use multiplier table to calculate additional options.

TW
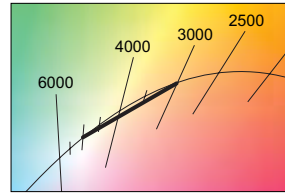
TW2
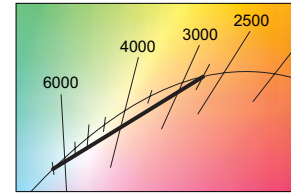
PHOTOMETRY

ASM-4-P33/835-A-S Total Luminaire Output: 3340 lumens; 25 Watts | Efficacy: 133.5 lm/W | 80 CRI; 3500K CCT


CANDLEPOWER DISTRIBUTION

— 0°   - - - 45°   —— 90°

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
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	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	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

(2) ø7/8″ KO
(2) ø3/4″ KO
(2) ø1/4″ Holes
(4) 1/4″ Keyholes
ø2″ Center KO
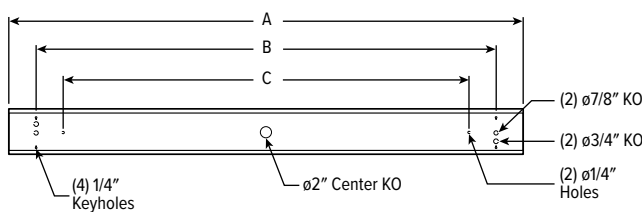
	A	B	C
4'	46-13/16″	40″	32″
8'	93-5/8″	87″	80″

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

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MOUNTING DETAILS

SUSPENDED MOUNTING TYPE

Standard Hardware (Grid and Hardpan)
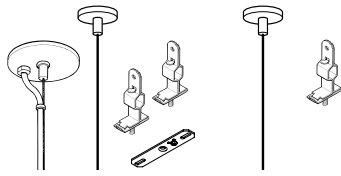
Feeder   Joiner

- Fixtures specified with suspended mounting type 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   Surface

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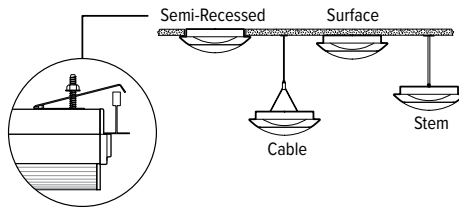
Semi-recessed model is suitable for installation in NEMA Type "G" ceiling system of 1″ wide (nominal) tees mounted across ends of fixture 48″ O.C., using factory furnished mounting brackets. Fixtures may be mounted in continuous row. Ceiling tiles are supported along sides by fixture housing. Fixture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

ROW ALIGNER

(not available with semi-recessed units)

(2) #8 screws
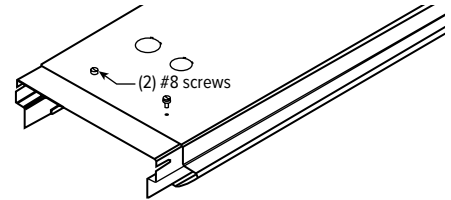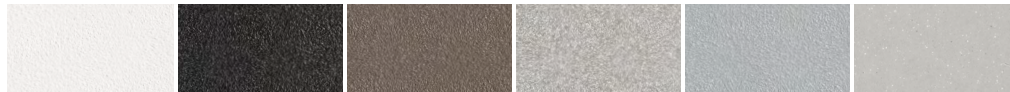
FINISH OPTIONS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

NODE CONNECTION DETAILS

Includes 24″ cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2

Not included with fixture

Node

24″ cable to fixture

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