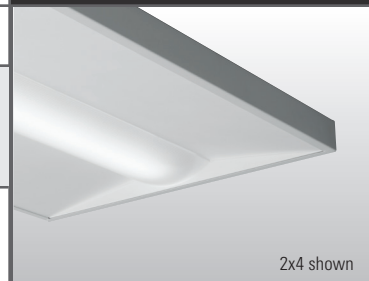


SHALLOW SURFACE MOUNT

PTS

tunable **WHITE** | PoE



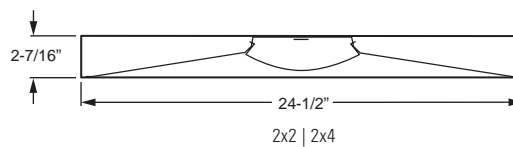
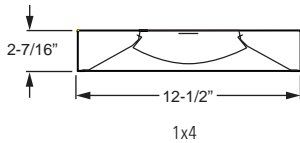
CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

EXAMPLE → **PTS - 2 4 - P65/835 - RA - OPTIONS - POE N**

SERIES NOM. W. NOM. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS/ACCESSORIES CONTROL

CROSS SECTIONS



ORDERING INFORMATION

SERIES
PTS Shallow Surface Mount – PoE

NOMINAL WIDTH
1 1' (4' length only)
2 2'

NOMINAL LENGTH
2 2' (2' width only)
4 4'

LED PACKAGE

EXAMPLE: P65/835		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
1x4		
P21	2,100	16
P31	3,100	25
2x2		
P20	2,000	15
P29	2,900	23
2x4		
P21	2,100	16
P31	3,100	24
P65	6,500	50

Nominal lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see fixture performance data.

CRI & CCT

827 82 CRI, 2700K
830 82 CRI, 3000K
835 82 CRI, 3500K
840 82 CRI, 4000K
850 82 CRI, 5000K
8TW Tunable white (80 CRI, 3000K–5000K)

SHIELDING
RA Diffuse ribbed acrylic

OPTIONS
EM/CP12 Remote mount 12-watt lota emergency LED battery (requires one additional category cable run to switch, see page 4 for details.)
AMW Anti-microbial white finish

ACCESSORIES (Shipped Separately)
See hew.com/poe for compatible sensors & switches

CONTROL
For additional PoE info, see hew.com/poe
1x4 node requires remote mounting, see page 3 for details.
POE N Power over Ethernet network node
POE D 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 138 lm/W.
- ▶ Shallow fixture depth for low ceiling applications.
- ▶ Diffuse ribbed acrylic combined with highly-reflective matte white paint produce high optical efficiencies while providing visual comfort.
- ▶ Heavy duty C.R.S. construction.
- ▶ 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 – Precision die-formed 20-gauge C.R.S.

Reflector – Precision die-formed 22-gauge C.R.S. Highly reflective non-glare matte white polyester powder coat.

Shielding – Diffuse ribbed acrylic.

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 – Surface mount

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)
1x4			
P21	2143	15.8	135.7
P31	3144	24.8	126.8
2x2			
P20	2015	15.2	132.7
P29	2908	23.4	124.5
2x4			
P21	2143	16.0	133.9
P31	3144	24.0	131.0
P65	6550	50.0	131.0

TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4			
P21	2116	16.31	129.7
P31	3134	25.1	124.9
2x2			
P20	2013	16.8	119.8
P29	2907	25.8	112.8
2x4			
P21	2116	16.3	129.7
P31	3134	25.1	124.9
P65	6530	50.1	130.4

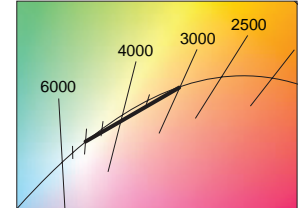
MULTIPLIER TABLES

STANDARD

CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

TUNABLE WHITE

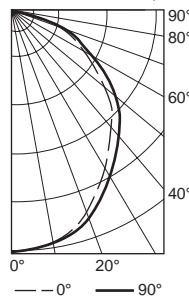
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96



- 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

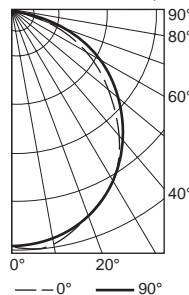
PTS-24-P65/835-RA Total Luminaire Output: 6550 lumens; 50 Watts
Efficacy: 131 lm/W | 82.7 CRI; 3494K CCT | IES Spacing Crit.: End: 1.1, Across: 1.2, Diag.: 1.2



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2506	2506	2506	
5	2468	2464	2451	236
15	2395	2403	2413	673
25	2110	2139	2165	974
35	1706	1760	1805	1098
45	1387	1463	1538	1120
55	1008	1104	1192	990
65	653	774	879	764
75	310	475	588	500
85	63	210	241	196
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1883	29
0 - 40	2981	46	
0 - 60	5091	78	
0 - 90	6550	100	
0 - 180	6550	100	

PTS-14-P31/835-RA Total Luminaire Output: 3144 lumens; 24.8 Watts
Efficacy: 127 lm/W | 84.9 CRI; 3544K CCT | IES Spacing Crit.: End: 1.2, Across: 1.23, Diag.: 1.3

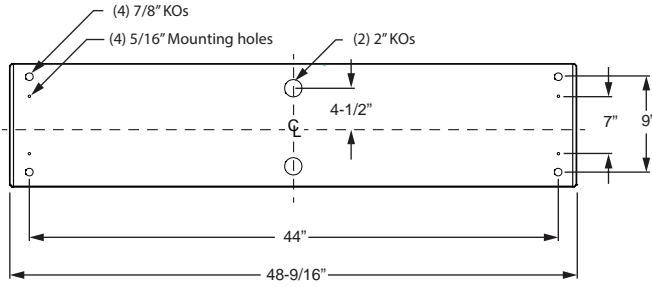


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1191	1191	1191	
5	1210	1185	1180	113
15	1152	1138	1132	320
25	1044	1040	1044	478
35	896	898	920	565
45	704	738	762	568
55	506	553	598	496
65	322	380	403	366
75	144	193	197	195
85	20	33	38	44
90	0	0	0	

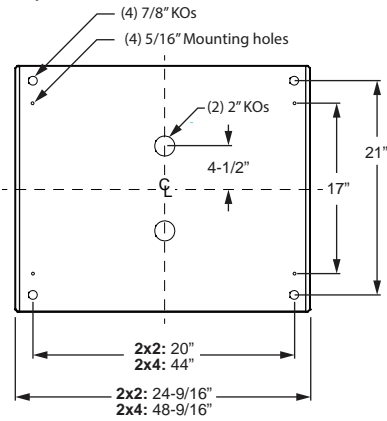
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	911	29
0 - 40	1475	47	
0 - 60	2539	81	
0 - 90	3144	100	
0 - 180	3144	100	

FIXTURE DETAILS

1x4



2x2 | 2x4



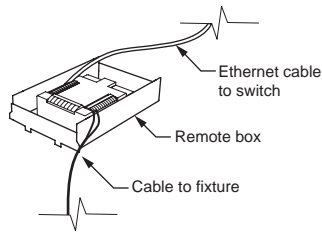
REMOTE MOUNT DETAILS

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

