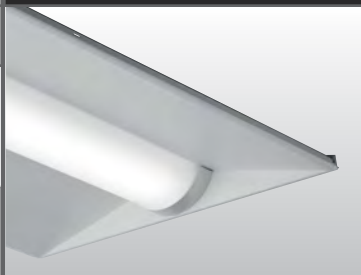


**LED TROFFER**

tunable **WHITE** | PoE



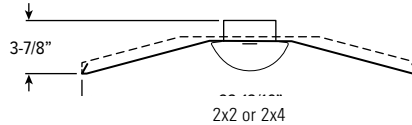
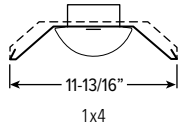
CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

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

**EXAMPLE** → **LT - 2 4 - P65/835 - AF - OPTIONS - POE N**

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

**CROSS SECTIONS**



**ORDERING INFORMATION**

**SERIES**  
**LT**      LED Troffer – PoE

**SHIELDING**  
**AF**      Frosted acrylic

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

**OPTIONS**  
**EQCLIPS**      Earthquake clips (4 per fixture; LT is compatible with Williams earthquake clips only)

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

**ACCESSORIES**  
See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches  
See Technical Info for **Drywall Kit** details.  
See page 3 for Surface Mount details.

**LED PACKAGE**

EXAMPLE: P65/835		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
<b>1x4</b>		
<b>P21</b>	2,100	16
<b>P31</b>	3,100	25
<b>P65</b>	6,500	50
<b>2x2</b>		
<b>P21</b>	2,100	16
<b>P31</b>	3,100	25
<b>P50</b>	5,000	38
<b>2x4</b>		
<b>P21</b>	2,100	16
<b>P31</b>	3,100	25
<b>P65</b>	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  
**8TW**      Tunable white (80 CRI, 3000K–5000K)

**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 137 lm/W
- ▶ Matte white paint and frosted lens provide pleasing architectural aesthetics with non-glare reflective surfaces
- ▶ Shallow housing depth
- ▶ 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](http://hew.com/poe) for details

**CONTROL**

For additional PoE info, see [hew.com/poe](http://hew.com/poe)  
Node requires remote mounting, see page 2 for details.  
**POE N**      Power over Ethernet network node  
**POE D**      Power over Ethernet device node (not available for fixtures over 40W)



**SPECIFICATIONS**

**Housing/Reflector** – Precision die-formed 22-gauge C.R.S.

**Shielding** – Frosted acrylic.

**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. 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** – NEMA Type “G”. Surface mount and drywall kit accessories available, ordered separately.

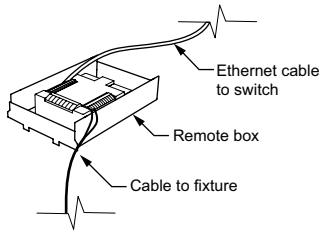
**Labels** – cCSAus certified as luminaire suitable for dry or damp locations.

**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**IMPORTANT:**

Electrostatic sensitive unit. Observe precautions when handling.

**REMOTE MOUNT NODE 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.

**FIXTURE PERFORMANCE DATA**

**STANDARD**

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4			
P21	2143	16	133.9
P31	3144	25	125.8
P65	6550	50	131.0
2x2			
P21	2119	16	132.4
P31	3140	25	125.6
P50	5027	38	132.3
2x4			
P21	2143	16	133.9
P31	3144	25	125.8
P65	6550	50	131.0

**TUNABLE WHITE**

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4			
P21	2207	16	137.9
P31	3238	25	129.5
P65	6746	50	134.9
2x2			
P21	2182	16	136.4
P31	3233	25	129.3
P50	5177	38	136.2
2x4			
P21	2207	16	137.9
P31	3238	25	129.5
P65	6746	50	134.9

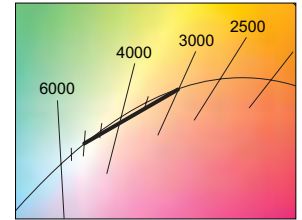
**MULTIPLIER TABLES**

**STANDARD**

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

**TUNABLE WHITE**

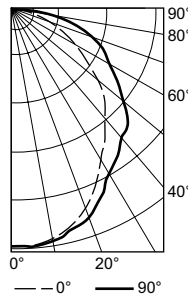
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96



- 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**

**LT-24-P65/835-AF** Total Luminaire Output: 6550 lumens; 50 Watts  
 Efficacy: 131 lm/W | 82 CRI; 3500K CCT | IES Spacing Criteria: End: 1.1, Across: 1.2, Diagonal: 1.2

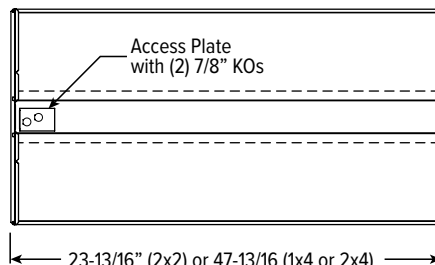


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	2331	2331	2331	
5	2321	2322	2324	221
15	2197	2217	2240	628
25	1943	2001	2060	919
35	1606	1712	1813	1068
45	1328	1502	1656	1136
55	933	1136	1315	1010
65	604	840	1029	815
75	303	541	685	552
85	88	219	201	203
90	0	0	0	

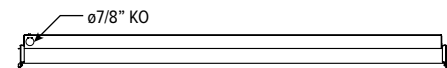
LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	1767	27
0 - 40	2835	43	
0 - 60	4980	76	
0 - 90	6550	100	
0 - 180	6550	100	

**FIXTURE DETAILS**

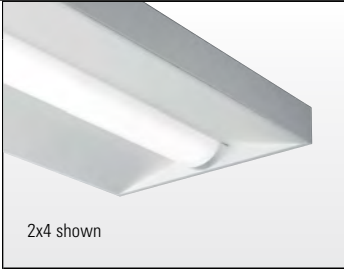
**BACK VIEW**



**SIDE VIEW**

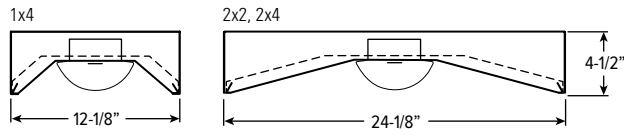


**SURFACE MOUNT KIT** (Shipped separately)



2x4 shown

**CROSS SECTIONS**



**BACKVIEWS**

