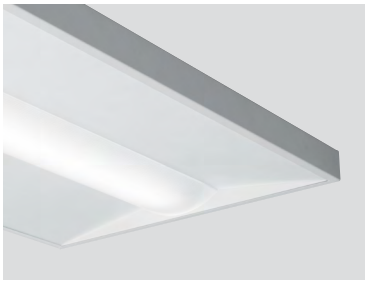
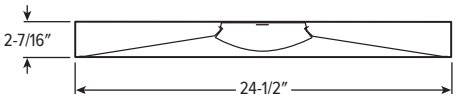
PTS LED Shallow Surface Mount





2x2 | 2x4
Shown with RA lens

CATALOG #:

TYPE:

PROJECT:

FEATURES

- Slim fixture depth for low-profile surface mount
- Round or square diffuse ribbed acrylic lens options enhance the space
- Companion recessed and retrofit kit preserve continuity, see hew.com/PT
- HE option delivers superior efficacies up to 169 lm/W
- Optional anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

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 boards. L70 > 72,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Surface or suspended.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: PTS - 2 4 - L84/835 - RA - OPTIONS - CONTROL/DIM - UNV

SERIES	WIDTH	LENGTH	LUMENS [1]	CRI	CCT	SHIELDING
PTS	**1** 1′ [2] **2** 2′	**2** 2′ **4** 4′	**1x4** **L27** 2,700lm **L45** 4,500lm **2x2** **L26** 2,600lm **L38** 3,800lm **L47** 4,700lm [3] **2x4** **L38** 3,800lm **L49** 4,900lm **L61** 6,100lm **L84** 8,400lm [4]	**8** 80 **9** 90	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **50** 5000K **TW** Tunable white (3000K-5000K) **TW2** Tunable white (2700K-6500K)	**RA** Diffuse ribbed acrylic, round **SA** Diffuse ribbed acrylic, square [5]

OPTIONS

See page 3 for FINISH OPTIONS. See page 3 for SUSPENDED MOUNTING OPTIONS.

EM/10W	10-watt emergency battery [7]
EM/10WLP	Low-profile 10-watt emergency battery [8]
EM/12W	12-watt emergency battery [9]
(L__)	Additional lower lumen packages available [10] Example: 8,000 lumens = PTS-24-L84/835-**(L80)**
HE	High efficacy lumen package [11]
AMW	Anti-microbial white finish

CONTROL [6]

*Click **HERE** for control and sensor options.*

– None

DRIVER

See page 4 for ADDITIONAL DRIVER OPTIONS.

DIM	Driver with external 0-10V dimming wires
DIM1	1 % Driver with external 0-10V dimming wires
DRV	Driver without external dimming wires [13]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V [12]

NOTES

1. Lumen output based on RA Shielding and 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen package available, see Options.
2. 4′ length only.
3. Static white CCT only.
4. Static white CCT only.
5. Increases lumen output by 3%.
6. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
7. 2x2 and 2x4 only.
8. 1x4 only.
9. 2x2 and 2x4 only. Not available when CEC regulations are required.
10. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
11. Not available with tunable white or 90 CRI or 1x4 L27 lumen package. See page 2 for FIXTURE PERFORMANCE DATA.
12. Not available with tunable white or EM batteries.
13. Not available with tunable white.

PTS LED
Shallow Surface Mount

FIXTURE PERFORMANCE DATA

			STANDARD		HE OPTION [1]	
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)
1x4	L27	2723	21.4	127	–	–
	L45	4526	33.7	134	26.7	169
2x2	L26	2633	21.3	124	17.2	154
	L38	3804	32.6	117	23.0	166
	L47	4708	38.1	124	29.9	158
2x4	L38	3763	31.4	120	23.1	163
	L49	4928	37.2	132	29.5	167
	L61	6059	48.5	125	35.8	169
	L84	8470	68.1	124	52.2	162

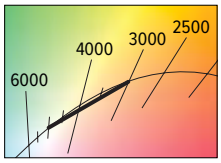
[1] Not available with 90 CRI.

- Photometrics tested in accordance with IESNA LM-79. Results based on RA Shielding, 80 CRI, 3500K for single CCT and 4000K for tunable white, wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.
- HE Option is recommended for POE PR fixtures. Fixture efficacy is typically 10-12% higher than above at same lumen level. Consult factory during project design phase for details.

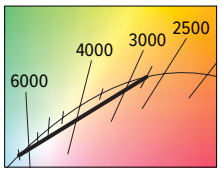
MULTIPLIER TABLE

	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

TW

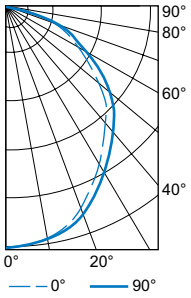


TW2



PHOTOMETRY

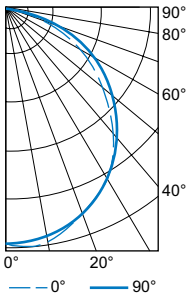
PTS-24-L84/835-RA-DIM-UNV Total Luminaire Output: 8470 lumens; 68.1 Watts | Efficacy: 124 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	HORIZONTAL ANGLE 45°	HORIZONTAL ANGLE 90°	ZONAL LUMENS
	0	3198	3198	3198	
	5	3182	3182	3184	302
	15	2975	2988	3006	852
	25	2632	2677	2715	1243
	35	2213	2296	2373	1436
	45	1800	1943	2057	1477
	55	1267	1432	1571	1279
	65	822	1015	1170	990
	75	381	606	768	640
	85	76	272	319	251
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2398	28
	0 - 40	3834	45
	0 - 60	6590	78
	0 - 90	8470	100
	0 - 180	8470	100

PTS-14-L45/835-RA-DIM-UNV Total Luminaire Output: 4526 lumens; 33.7 Watts | Efficacy: 134 lm/W | 80 CRI; 3500K CCT



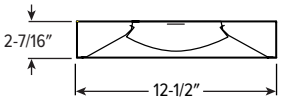
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	HORIZONTAL ANGLE 45°	HORIZONTAL ANGLE 90°	ZONAL LUMENS
	0	1649	1649	1649	
	5	1687	1668	1643	158
	15	1612	1608	1588	451
	25	1475	1482	1464	678
	35	1283	1300	1301	806
	45	1023	1069	1084	815
	55	733	805	839	715
	65	470	557	571	532
	75	209	293	305	297
	85	32	53	62	73
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1287	28
	0 - 40	2093	46
	0 - 60	3623	80
	0 - 90	4526	100
	0 - 180	4526	100

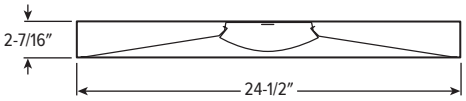
CROSS SECTIONS

RA

1x4

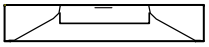


2x2 | 2x4

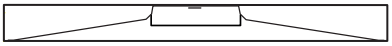


SA

1x4



2x2 | 2x4

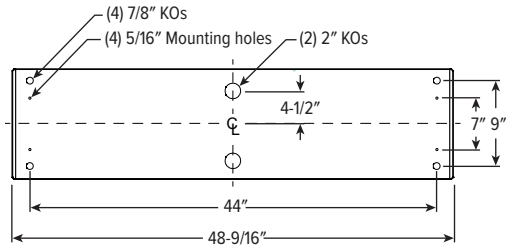


PTS LED Shallow Surface Mount

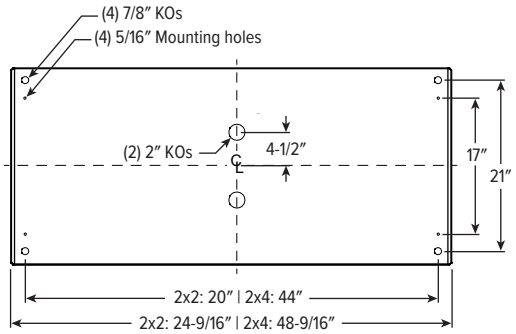
FIXTURE DETAILS

BACKVIEW

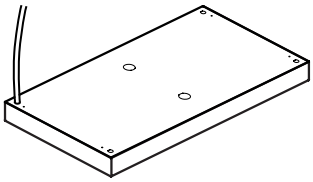
1x4



2x2 | 2x4



POWER ENTRY



SUSPENDED MOUNTING OPTIONS

AIRCRAFT CABLE

ORDERING EXAMPLE: ACF*4P/D48		
PREFIX	TYPE	LENGTH
ACF*4P/ Four point mount adjustable aircraft cable	**D** 1" grid & hardpan **N** 9/16" grid **S** Slot grid	**24** 24" **48** 48" **96** 96" **144** 144" **192** 192" **240** 240" **300** 300"

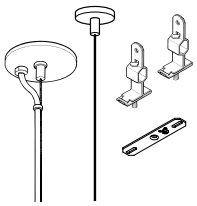
CORD OPTIONS

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.[1]	WIRE SIZE	COLOR
S	**24** 24" **48** 48" **96** 96"	**3** **4** **5** **6**	**8D** 18ga	**/W** White **/B** Black

[1] Includes (2) 22ga purple & pink dimming conductors

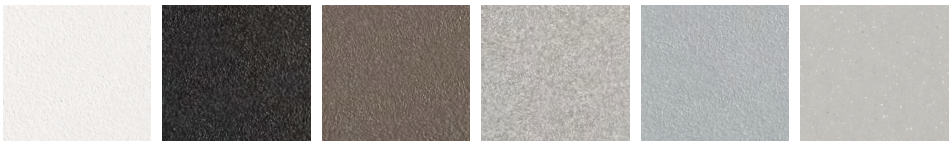
STANDARD HARDWARE (Grid & Hardpan)



- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- One 5" canopy used at power feed location to cover the junction box. Three other suspension points use 2" canopy at the non-feed point. No J-box is required at non-feed points.

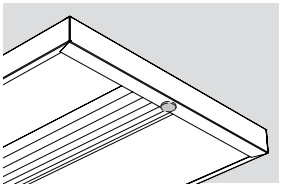
FINISH OPTIONS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM | RAL#____



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

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT)
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40 [1]	40% step-dimming driver
SD50 [1]	50% step-dimming driver
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
PoE PR	Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver

1 Single CCT only.

TUNABLE WHITE DRIVER DETAILS

DIM

DALI

DMX

LD2