

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

TYPE: \_\_\_\_\_

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

**FEATURES**

- Shallow fixture depth for low ceiling applications
- Uniform ambient illumination
- Companion recessed and retrofit kit preserve continuity, see [hew.com](http://hew.com)
- Maximize energy savings with efficacies up to 134 lm/W
- Heavy duty C.R.S. construction
- 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 >50,000 hours.
- MOUNTING – Surface mount.
- LISTINGS – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

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

**ORDERING INFO**

SERIES	WIDTH	LENGTH	LUMENS <sup>(1)</sup>	CRI	CCT	SHIELDING
PTS	1 1' <sup>(2)</sup>	2 2' <sup>(3)</sup>	1x4	8 80	27 2700K	RA Diffuse ribbed acrylic, round
		4 4'	L27 2,700lm	9 90 <sup>(4)</sup>	30 3000K	SA Diffuse ribbed acrylic, square <sup>(5)</sup>
	2 2'	4 4'	L45 4,500lm	2x2	40 4000K	50 5000K
			L26 2,600lm			
	2x4	L38 3,800lm	2x4	L38 3,800lm	L49 4,900lm	
		L47 4,700lm				
		L61 6,100lm				
		L84 8,400lm				
		L61 6,100lm				
		L84 8,400lm				

OPTIONS	CONTROL <sup>(6)</sup>	VOLTAGE
<b>EM/7W</b> 7-watt emergency LED battery <sup>(7)</sup>	<b>DIM</b> Dimming driver	<b>120</b> 120V
<b>EM/7WRM</b> Remote mount 7-watt emergency battery <sup>(8)</sup>	<b>DRV</b> Non-dimming driver	<b>277</b> 277V
<b>EM/10W</b> 10-watt emergency battery <sup>(9)</sup>	<b>VDO/DSR</b> Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver	<b>UNV</b> 120-277V
<b>EM/10WLP</b> Low-profile 10-watt emergency battery <sup>(10)</sup>		
<b>EM/12W (L__)</b> 12-watt emergency battery <sup>(11)</sup> Additional lower lumen packages available. Example: 8,000 lumens = PTS-24-L84/835-(L80) <sup>(12)</sup>	<b>VRF/DSR</b> Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver	
<b>AMW</b> Anti-microbial white finish		

**NOTES**

- <sup>1</sup> Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- <sup>2</sup> 1' length only.
- <sup>3</sup> 2' length only.
- <sup>4</sup> 2' width only.
- <sup>5</sup> Increases lumen output by 3%.
- <sup>6</sup> See page 3 for ADDITIONAL CONTROL OPTIONS.
- <sup>7</sup> 2x2 and 2x4 only.
- <sup>8</sup> 1x4 only.
- <sup>9</sup> 2x2 & 2x4 only.
- <sup>10</sup> 1x4 only.
- <sup>11</sup> 2x2 & 2x4 only.
- <sup>12</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>13</sup> Not available with emergency batteries.

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L27	2723	21.4	127.4
	L45	4526	33.7	134.3
2x2	L26	2633	21.3	123.6
	L38	3804	32.6	116.7
	L47	4708	38.1	123.4
2x4	L38	3763	31.4	119.7
	L49	4928	37.2	132.6
	L61	6059	48.5	124.9
	L84	8470	68.1	124.3

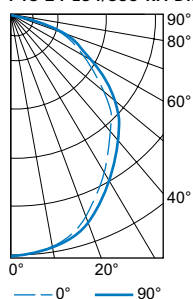
## MULTIPLIER TABLE

		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	2700K		0.97
	3000K		0.99
	3500K		1.00
	4000K		1.03
	5000K		1.06
90 CRI	2700K		0.82
	3000K		0.83
	3500K		0.84
	4000K		0.86
	5000K		0.90

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

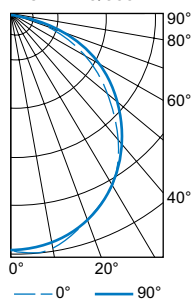
PTS-24-L84/835-RA-DIM-UNV Total Luminaire Output: 8470 lumens; 68.1 Watts | Efficacy: 124 lm/W | 82.7 CRI; 3494K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
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 | 84.9 CRI; 3544K CCT



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

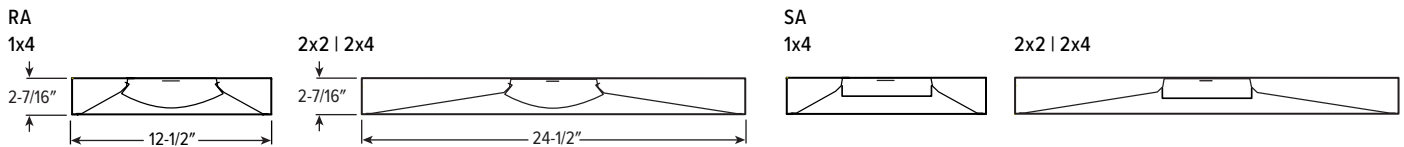


## ADDITIONAL CONTROL OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V or 277V only)
DSR	Sensor-ready driver
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
VDO/DSR	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and sensor-ready driver
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver
VDO/DBI/LDE1	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VDO/DBI/LDE5	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE5	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

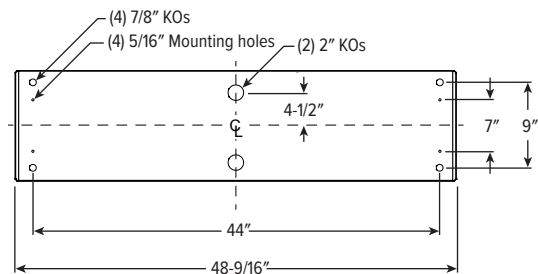
## CROSS SECTIONS



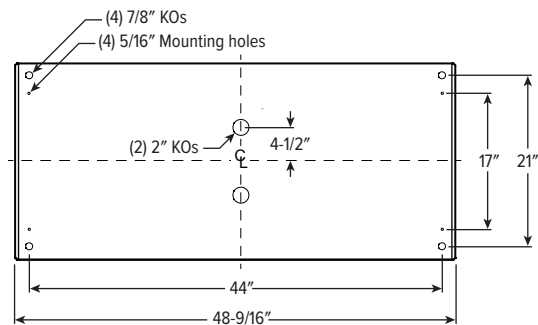
## FIXTURE DETAILS

### BACKVIEW

1x4



2x4



2x2

