

2x2 | 2x4
Shown with RA lens

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Room-side access
- Ultra slim 2-3/8" for minimal plenum space
- Uniform ambient illumination
- Companion surface and retrofit kit preserve continuity, see hew.com
- Maximize energy savings with efficacies up to 134 lm/W
- Rated for direct contact with insulation
- Heavy duty C.R.S. construction
- Made Right Here® in the USA

ORDERING EXAMPLE: PT - 2 4 - P65/835 - RA - OPTIONS - POE PR

ORDERING INFO

SERIES	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING
PT	1 1' ^[2]	2 2' ^[3]	1x4	8 80	27 2700K	RA Diffuse ribbed acrylic, round
		4 4'	P21 2,100lm	9 90 ^[4]	30 3000K	SA Diffuse ribbed acrylic, square ^[5]
	2 2'	2x2	P33 3,300lm	35 3500K	40 4000K	50 5000K
			P65 6,500lm			
		2x4	P22 2,200lm	TW Tunable white (80 CRI, 3000K–5000K)		
			P31 3,100lm			
2x4	P47 4,700lm	P21 2,100lm	P33 3,300lm	P65 6,500lm		

SPECIFICATIONS

- HOUSING/REFLECTOR – Precision die-formed 22-gauge C.R.S.
- SHIELDING – Diffuse ribbed 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 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 – Designed for NEMA Type “G” 1” grid ceiling standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall kit accessories available, ordered separately.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

OPTIONS ^[6]

- EQCLIPS** Earthquake clips ^[8]
- AMW** Anti-microbial white finish
- DFK-1248W** Drywall kit, 12” x 48”, white
- DFK-2424W** Drywall kit, 24” x 24”, white
- DFK-2448W** Drywall kit, 24” x 48”, white

CONTROL ^[7]

- POE PR** Power over Ethernet, Platformatics-ready

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/poe
- Consult factory for design support



NOTES

- ¹ Lumen output 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 4’ length only.
- ³ 2’ width only.
- ⁴ Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- ⁵ Increases lumen output by 3%.
- ⁶ See [Technical Info](#) for Drywall Kit details.
- ⁷ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.
- ⁸ 4 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting.



FIXTURE PERFORMANCE DATA

STANDARD

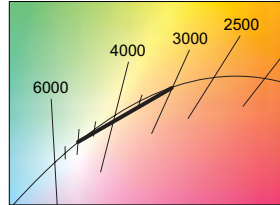
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P21	2143	16	133.9
	P33	3144	25	125.8
	P65	6550	50	131.0
2x2	P22	2234	17	131.4
	P31	3140	25	125.6
	P47	4708	37	127.2
2x4	P21	2143	16	133.9
	P31	3144	25	125.8
	P65	6550	50	131.0

TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P21	2207	16	137.9
	P33	3238	25	129.5
	P65	6746	50	134.9
2x2	P22	2301	17	135.4
	P31	3234	25	129.4
	P47	4849	37	131.1
2x4	P21	2207	16	137.9
	P31	3238	25	129.5
	P65	6746	50	134.9

MULTIPLIER TABLES

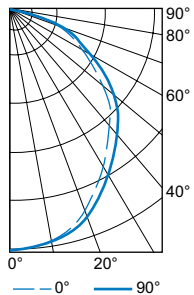
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-



- 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 tables to calculate additional options.

PHOTOMETRY

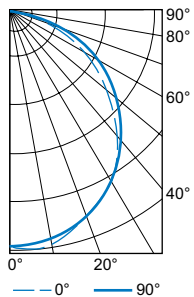
PT-24-P65/835-RA Total Luminaire Output: 6550 lumens; 50 Watts | Efficacy: 131 lm/W | 80 CRI; 3500K CCT



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

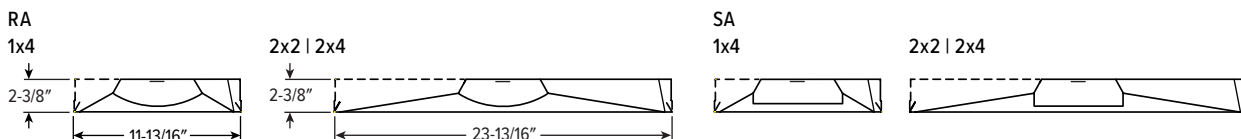
PT-14-P65/835-RA Total Luminaire Output: 6550 lumens; 50 Watts | Efficacy: 131 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2387	2387	2387	
5	2441	2414	2378	228
15	2333	2327	2299	653
25	2134	2144	2119	981
35	1857	1881	1882	1166
45	1481	1547	1569	1179
55	1060	1165	1214	1035
65	680	806	827	771
75	302	424	442	430
85	46	76	90	106
90	0	0	0	

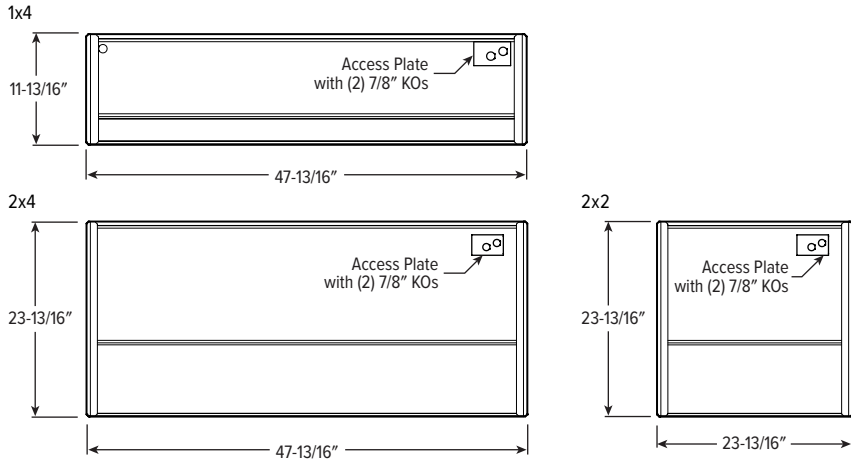
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1863	28
	0 - 40	3029	46
	0 - 60	5243	80
	0 - 90	6550	100
	0 - 180	6550	100

CROSS SECTIONS



FIXTURE DETAILS

BACKVIEW



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

