



# 4AR PoE | tunable WHITE

## 4.5" Adjustable Downlight – Round

### FIXTURE PERFORMANCE DATA

#### STANDARD

##### OPEN REFLECTOR TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	764	12.3	62.1
	M	1048	12.3	85.2
	N	1123	12.3	91.3
P22	W	1570	25.0	62.8
	M	2152	25.0	86.1
	N	2307	25.0	92.3
P28	W	1698	37.5	45.3
	M	2768	37.5	73.8
	N	3087	37.5	82.3
P37	W	2276	50.0	45.5
	M	3710	50.0	74.2
	N	4138	50.0	82.8

#### TUNABLE WHITE

##### OPEN REFLECTOR TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	708	12.3	57.6
	M	982	12.3	79.9
	N	–	–	–
P22	W	1330	25.0	53.2
	M	1829	25.0	73.2
	N	–	–	–
P28	W	–	–	–
	M	–	–	–
	N	–	–	–
P37	W	–	–	–
	M	–	–	–
	N	–	–	–

##### FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	757	12.3	61.6
	M	1014	12.3	82.4
	N	1056	12.3	85.8
P22	W	1556	25.0	62.2
	M	2083	25.0	83.3
	N	2169	25.0	86.8
P28	W	2318	37.5	61.8
	M	3013	37.5	80.4
	N	2994	37.5	79.8
P37	W	3106	50.0	62.1
	M	4039	50.0	80.8
	N	4013	50.0	80.3

##### FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	689	12.3	56.0
	M	953	12.3	77.5
	N	1012	12.3	82.3
P22	W	1323	25.0	52.9
	M	1784	25.0	71.3
	N	1785	25.0	71.4
P28	W	–	–	–
	M	–	–	–
	N	–	–	–
P37	W	–	–	–
	M	–	–	–
	N	–	–	–

##### ANGLED LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	538	12.3	43.8
	M	789	12.3	64.1
	N	951	12.3	77.3
P22	W	1106	25.0	44.2
	M	1621	25.0	64.8
	N	1954	25.0	78.2
P28	W	1693	37.5	45.2
	M	2291	37.5	61.1
	N	2564	37.5	68.4
P37	W	2270	50.0	45.4
	M	3071	50.0	61.4
	N	3437	50.0	68.7

##### ANGLED LENS TRIM TYPE

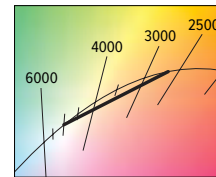
	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P10	W	616	12.3	50.1
	M	708	12.3	57.6
	N	903	12.3	73.4
P22	W	1330	25.0	53.2
	M	1364	25.0	54.6
	N	1569	25.0	62.7
P28	W	–	–	–
	M	–	–	–
	N	–	–	–
P37	W	–	–	–
	M	–	–	–
	N	–	–	–

#### MULTIPLIER TABLES

COLOR TEMPERATURE			
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	–
	3000K	0.79	–
	3500K	0.82	–
	4000K	0.84	–
	5000K	0.88	–

OPEN REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
WH	0.89
BL	0.79

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD <sup>1</sup>	0.85
PD <sup>1</sup>	0.85



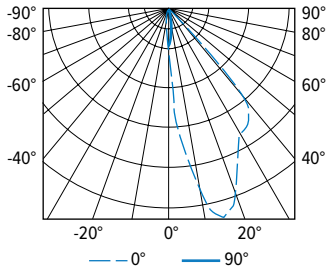
- Distribution will also be affected, consult factory.
  - Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
  - Standard results based on 3500K/80 CRI, 0° tilt, actual lumens may vary +/-5%
  - Tunable white results based on 4000K/80 CRI, 0° tilt, actual lumens may vary +/-5%
  - Use multiplier tables to calculate additional options.



# 4AR PoE | tunable WHITE 4.5" Adjustable Downlight – Round

## PHOTOMETRY

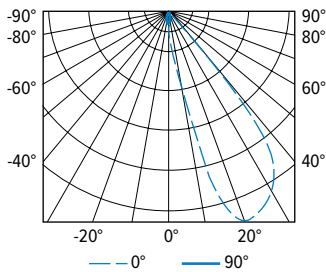
**4AR-P22/835-DIM-POE-OW-OF-CS (25° tilt)** Total Luminaire Output: 1588 lumens; 25.0 Watts | Efficacy: 63.5 lm/W | 81.7 CRI; 3628K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	924	924	924	924	924		
5	2800	1964	766	317	229	114	
15	5066	2767	296	72	47	374	
25	3815	2520	75	19	17	498	
35	3302	1161	14	9	13	468	
45	682	35	6	5	3	131	
55	7	0	0	0	3	3	
65	1	0	0	0	0	0	
75	0	0	0	0	0	0	
85	0	0	0	0	0	0	
90	0	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	986	62
	0 - 40	1454	92
	0 - 60	1588	100
	0 - 90	1588	100
	0 - 180	1588	100

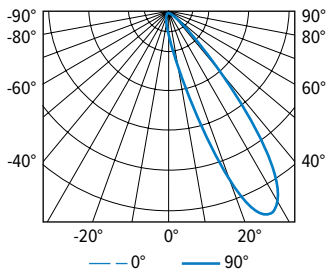
**4AR-P22/835-DIM-POE-OM-OF-CS (25° tilt)** Total Luminaire Output: 1940 lumens; 25.0 Watts | Efficacy: 77.6 lm/W | 81.7 CRI; 3627K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	475	475	475	475	475		
5	1349	899	422	228	186	64	
15	6801	1676	212	70	41	384	
25	7789	1703	80	15	12	718	
35	6436	731	11	0	0	646	
45	741	37	0	0	0	127	
55	7	0	0	0	0	2	
65	0	0	0	0	0	0	
75	0	0	0	0	0	0	
85	0	0	0	0	0	0	
90	0	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1166	60
	0 - 40	1811	93
	0 - 60	1940	100
	0 - 90	1940	100
	0 - 180	1940	100

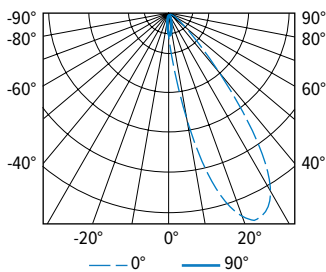
**4AR-P22/835-DIM-POE-ON-OF-CS (25° tilt)** Total Luminaire Output: 2313 lumens; 25.0 Watts | Efficacy: 92.5 lm/W | 81.7 CRI; 3628K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	317	317	317	317	317		
5	1083	696	270	133	112	48	
15	5111	1594	137	43	41	341	
25	11460	1746	48	28	41	890	
35	8945	745	8	6	0	825	
45	1419	68	0	0	0	200	
55	33	0	0	0	0	9	
65	0	0	0	0	0	0	
75	0	0	0	0	0	0	
85	0	0	0	0	0	0	
90	0	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1278	55
	0 - 40	2103	91
	0 - 60	2313	100
	0 - 90	2313	100
	0 - 180	2313	100

**4AR-P22/835-DIM-POE-LM-OF-CS (25° tilt)** Total Luminaire Output: 1876 lumens; 25.0 Watts | Efficacy: 75.0 lm/W | 81.7 CRI; 3627K CCT



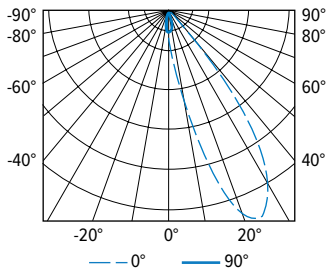
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	573	573	573	573	573		
5	1419	1089	538	294	239	73	
15	4617	1998	331	131	113	342	
25	6025	1935	155	92	98	605	
35	3953	854	80	90	111	498	
45	1106	211	59	94	120	214	
55	198	63	45	77	98	83	
65	49	26	27	51	67	42	
75	18	10	11	23	32	18	
85	2	0	0	0	1	2	
90	0	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1019	54
	0 - 40	1517	81
	0 - 60	1815	97
	0 - 90	1876	100
	0 - 180	1876	100



# 4AR PoE | tunable WHITE 4.5" Adjustable Downlight – Round

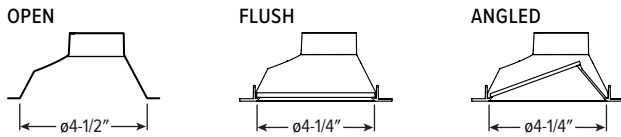
4AR-P22/835-DIM-POE-AM-OF-CS (25° tilt) Total Luminaire Output: 1589 lumens; 25.0 Watts | Efficacy: 63.6 lm/W | 81.7 CRI; 3627K CCT



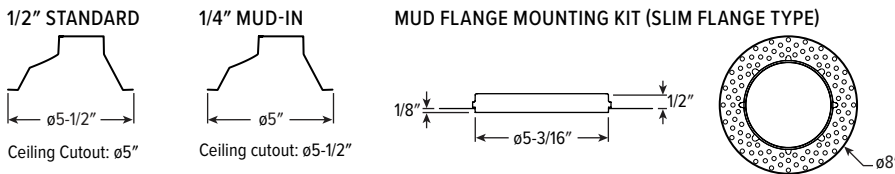
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	515	515	515	515	515	
5	1327	920	495	261	187	65
15	4478	1872	288	88	59	320
25	6115	1691	107	43	38	569
35	3859	620	48	44	48	441
45	782	110	38	43	47	145
55	78	25	27	30	30	34
65	19	15	13	11	8	13
75	7	3	0	0	1	3
85	0	0	0	0	0	0
90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	954	60
	0 - 40	1394	88
	0 - 60	1573	99
	0 - 90	1589	100
	0 - 180	1589	100

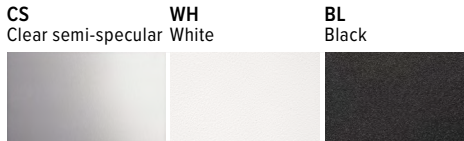
## TRIM TYPE DETAILS



## FLANGE TYPE DETAILS



## REFLECTOR FINISH DETAILS



## MOUNTING TYPE DETAILS

### NEW CONSTRUCTION

### IC-RATED

LUMENS	LENGTH			
	A	B	C	D
P10 - P22	15-3/16"	16"	6-3/8"	12-1/8"

### REMODEL

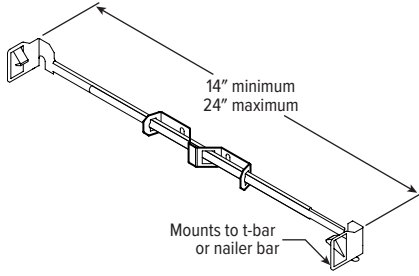
Driver and Junction Box: 5-1/4" width, 4-1/8" height, 6-15/16" depth.

Receiver Bracket: 2-3/4" height, 3-1/4" width, 6-5/8" length. Requires 3-1/4" min space and  $\phi 4-1/2"$  ceiling cutout.

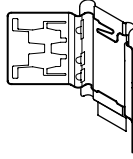
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## MOUNTING HARDWARE DETAILS

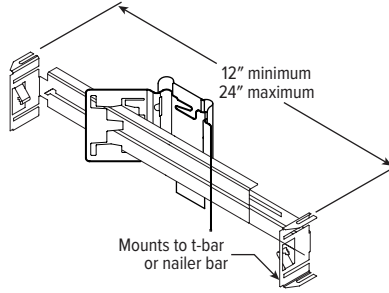
**F1** Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled



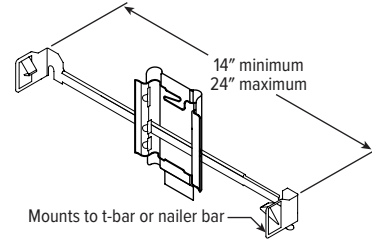
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



**BA2** Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



**CA1** Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



**CA2** Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

