



## FIXTURE PERFORMANCE DATA

### STANDARD

#### OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	1101	12.3	89.9
	M	1215	12.3	99.2
	N	1241	12.3	101.3
P22	W	2067	25.0	82.7
	M	2281	25.0	91.2
	N	2331	25.0	93.3
P35	W	3221	37.5	85.9
	M	3510	37.5	93.6
	N	3417	37.5	91.1
P49	W	4543	50.0	90.9
	M	4921	50.0	98.4
	N	4522	50.0	90.4

### TUNABLE WHITE

#### OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	956	12.3	78.1
	M	1051	12.3	85.8
	N	1074	12.3	87.7
P22	W	1944	25.0	77.8
	M	2118	25.0	84.7
	N	2062	25.0	82.5
P35	W	2881	37.5	76.8
	M	3121	37.5	83.2
	N	2868	37.5	76.5
P49	W	3342	43.5	76.8
	M	3621	43.5	83.2
	N	3327	43.5	76.5

#### FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	1193	12.3	97.4
	M	1310	12.3	107.0
	N	1330	12.3	108.6
P22	W	2239	25.0	89.6
	M	2469	25.0	98.8
	N	2495	25.0	99.8
P35	W	3488	37.5	93.0
	M	3799	37.5	101.3
	N	3657	37.5	97.5
P49	W	4919	50.0	98.4
	M	5326	50.0	106.5
	N	4840	50.0	96.8

#### FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	1031	12.3	84.2
	M	1138	12.3	92.9
	N	1150	12.3	93.8
P22	W	2105	25.0	84.2
	M	2293	25.0	91.7
	N	2207	25.0	88.3
P35	W	3120	37.5	83.2
	M	3378	37.5	90.1
	N	3070	37.5	81.9
P49	W	3613	43.5	83.1
	M	3863	43.5	88.8
	N	3343	43.5	76.9

#### REGRESSED LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	1147	12.3	93.6
	M	1292	12.3	105.4
	N	1310	12.3	107.0
P22	W	2151	25.0	86.0
	M	2425	25.0	97.0
	N	2469	25.0	98.8
P35	W	3352	37.5	89.4
	M	3732	37.5	99.5
	N	3619	37.5	96.5
P49	W	4727	50.0	94.5
	M	5232	50.0	104.6
	N	4789	50.0	95.8

#### REGRESSED LENS TRIM TYPE

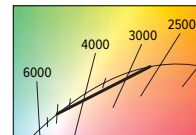
LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	991	12.3	80.9
	M	1117	12.3	91.2
	N	1138	12.3	92.9
P22	W	2023	25.0	80.9
	M	2252	25.0	90.1
	N	2184	25.0	87.4
P35	W	2998	37.5	80.0
	M	3319	37.5	88.5
	N	3037	37.5	81.0
P49	W	3472	43.5	79.8
	M	3795	43.5	87.2
	N	3308	43.5	76.0

### MULTIPLIER TABLES

STANDARD		
	CCT	LUMENS
80 CRI	2700K	0.95
	3000K	0.96
	3500K	1.00
	4000K	1.01
90 CRI	2700K	0.74
	3000K	0.85
	3500K	0.90
	4000K	0.91

TUNABLE WHITE		
	CCT	LUMENS
80 CRI	2700K	0.83
	3000K	1.00
	3500K	0.99
	4000K	1.00
	5000K	0.98

OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79



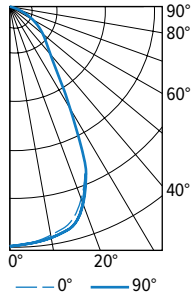
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K/80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K/80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional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



# 4DS PoE | tunable **WHITE** 4.5" Downlight – Square

## PHOTOMETRY

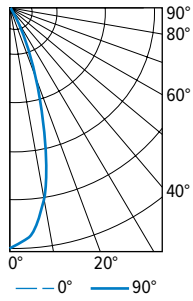
**4DS-P22/835-DIM-UNV-LW-OF-WH** Total Luminaire Output: 2239 lumens; 25.0 Watts | Efficacy: 89.6 lm/W | 83.8 CRI; 3478K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1665	1665	1665	
5	1650	1650	1651	157
15	1556	1579	1589	442
25	1208	1367	1211	575
35	547	831	536	421
45	346	375	343	281
55	209	215	208	193
65	110	107	108	111
75	46	45	46	50
85	5	4	6	9
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1173	52
	0 - 40	1594	71
	0 - 60	2069	92
	0 - 90	2239	100
	0 - 180	2239	100

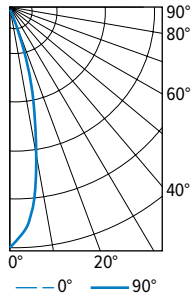
**4DS-P22/835-DIM-UNV-LM-OF-WH** Total Luminaire Output: 2469 lumens; 25.0 Watts | Efficacy: 98.8 lm/W | 83.8 CRI; 3478K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	6627	6627	6627	
5	6386	6345	6316	576
15	3827	3850	3757	1043
25	1039	1082	938	525
35	235	270	208	172
45	84	92	79	70
55	44	46	44	42
65	27	26	27	26
75	11	11	10	12
85	2	1	2	3
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2144	87
	0 - 40	2316	94
	0 - 60	2428	98
	0 - 90	2469	100
	0 - 180	2469	100

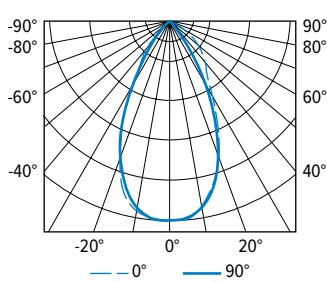
**4DS-P22/835-DIM-UNV-LN-OF-WH** Total Luminaire Output: 2495 lumens; 25.0 Watts | Efficacy: 99.8 lm/W | 83.8 CRI; 3478K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	10437	10437	10437	
5	9460	9301	9373	813
15	3925	3659	3507	1069
25	824	722	637	391
35	172	163	133	111
45	64	68	58	51
55	35	35	33	32
65	20	19	19	19
75	10	9	9	9
85	0	0	0	1
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2273	91
	0 - 40	2384	96
	0 - 60	2466	99
	0 - 90	2495	100
	0 - 180	2495	100

**4DS-P22/835-DIM-UNV-OWW-OF-CS** Total Luminaire Output: 1920 lumens; 25 Watts | Efficacy: 76.8 lm/W | 83.8 CRI; 3478K CCT



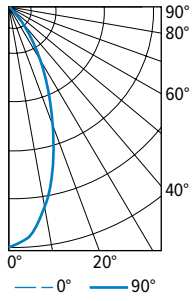
VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	2032	2032	2032	2032	2032	
5	2030	2020	2022	2024	2023	190
15	1731	1749	1741	1826	1814	493
25	1183	1237	1132	1291	1143	546
35	676	633	446	614	524	370
45	495	291	146	211	195	198
55	299	92	21	34	23	81
65	181	20	0	0	0	32
75	61	0	0	0	0	10
85	0	0	0	0	0	0
90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1229	64
	0 - 40	1599	83
	0 - 60	1878	98
	0 - 90	1920	100
	0 - 180	1920	100



# 4DS PoE | tunable **WHITE** 4.5" Downlight – Square

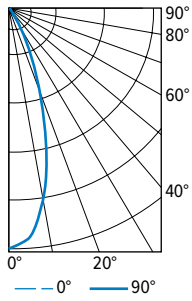
4DS-P22/835-DIM-UNV-OM-OF-CS Total Luminaire Output: 2281 lumens; 25.0 Watts | Efficacy: 91.2 lm/W | 83.8 CRI; 3478K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	4068	4068	4068	
5	3908	3868	3869	356
15	2823	2795	2791	776
25	1505	1489	1495	695
35	487	608	473	352
45	69	142	66	91
55	7	11	7	11
65	0	0	0	0
75	0	0	0	0
85	0	0	0	0
90	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1827	80
	0 - 40	2180	96
	0 - 60	2281	100
	0 - 90	2281	100
	0 - 180	2281	100

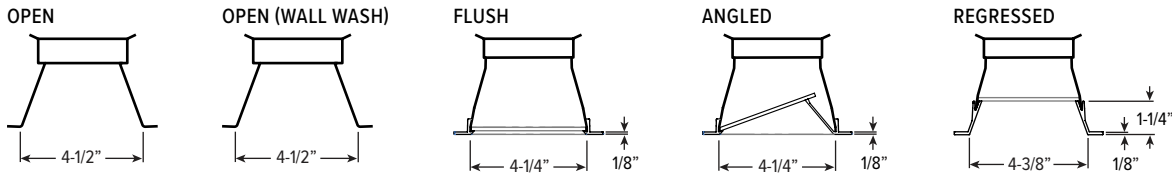
4DS-P22/835-DIM-UNV-RM-OF-WH Total Luminaire Output: 2425 lumens; 25.0 Watts | Efficacy: 97.0 lm/W | 83.8 CRI; 3478K CCT



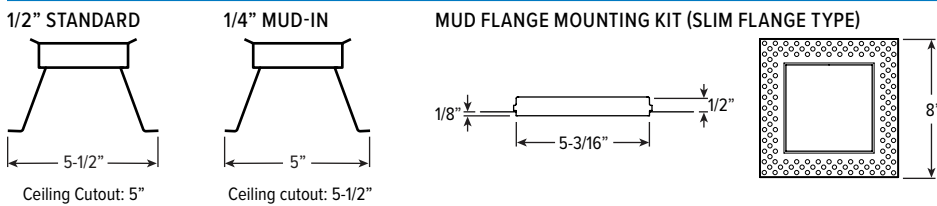
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	6479	6479	6479	
5	6249	6176	6141	561
15	3807	3787	3710	1028
25	1030	1101	1051	541
35	205	278	228	174
45	67	86	69	63
55	37	38	35	33
65	19	17	19	17
75	4	3	3	5
85	0	0	0	1
90	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2130	88
	0 - 40	2305	95
	0 - 60	2401	99
	0 - 90	2425	100
	0 - 180	2425	100

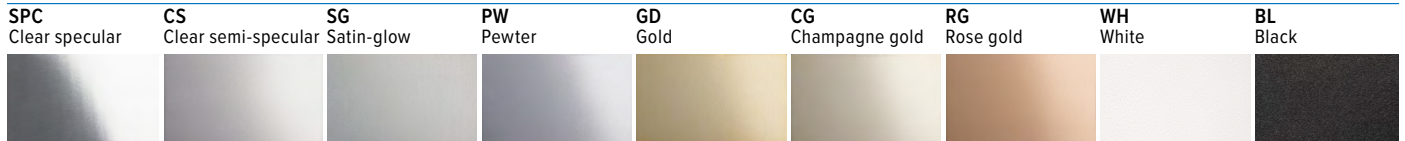
## TRIM TYPE DETAILS



## FLANGE TYPE DETAILS



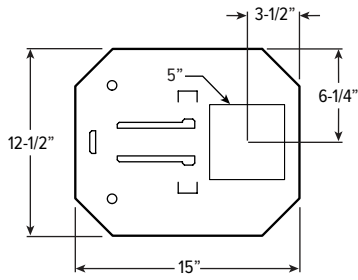
## REFLECTOR FINISH DETAILS



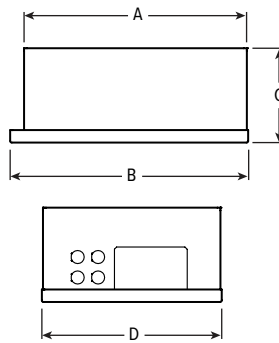
# 4DS PoE | tunable **WHITE** 4.5" Downlight – Square

## MOUNTING TYPE DETAILS

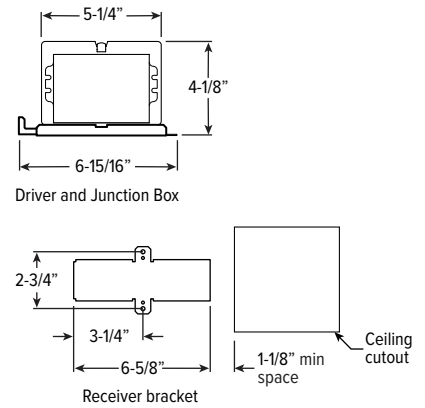
### NEW CONSTRUCTION



### IC-RATED



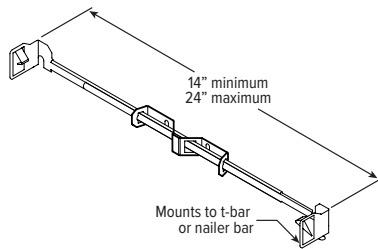
### REMODEL



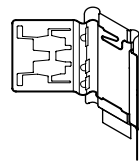
LUMENS	LENGTH			
	A	B	C	D
P11	15-3/16"	16"	6-3/8"	12-1/8"

## MOUNTING HARDWARE DETAILS

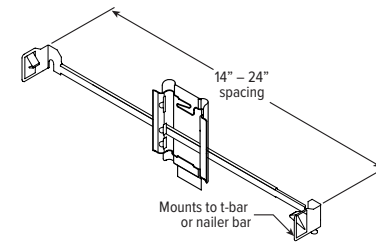
**F1** 2-Position fixed pan bracket, universal bar hanger included



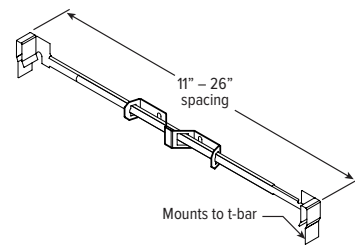
**BA1** Adjustable butterfly pan bracket, bar hanger not included



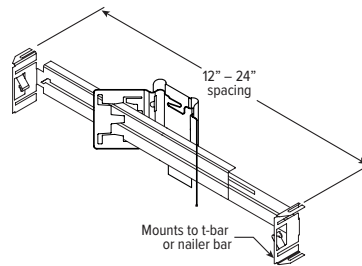
**CA1** Adjustable caterpillar pan bracket, universal bar hanger included



**F2** 2-Position fixed pan bracket, t-bar hanger included



**BA2** Adjustable butterfly pan bracket, heavy-duty universal bar hanger included



**CA2** Adjustable caterpillar pan bracket, t-bar hanger included

