

4DS dim to WARM

4.5" Downlight – Square

FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	629	3000K	1800K	14.0	44.9
	M	694			14.0	49.6
	N	709			14.0	50.6
L13	W	1102			23.4	47.2
	M	1216			23.4	52.0
	N	1243			23.4	53.2
L21	W	1805			37.7	47.9
	M	1991			37.7	52.8
	N	2035			37.7	54.0

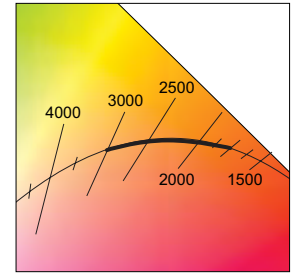
FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	681	3000K	1800K	14.0	48.6
	M	751			14.0	53.6
	N	759			14.0	54.2
L13	W	1193			23.4	51.1
	M	1316			23.4	56.3
	N	1330			23.4	56.9
L21	W	1956			37.7	51.9
	M	2147			37.7	56.9
	N	2180			37.7	57.8

REGRESSED LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	654	3000K	1800K	14.0	46.7
	M	738			14.0	52.7
	N	751			14.0	53.6
L13	W	1147			23.4	49.1
	M	1293			23.4	55.3
	N	1316			23.4	56.3
L21	W	1878			37.7	49.8
	M	2116			37.7	56.1
	N	2155			37.7	57.2

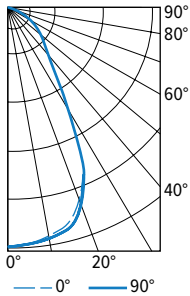
OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79



- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3000K, 95 CRI, full output, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

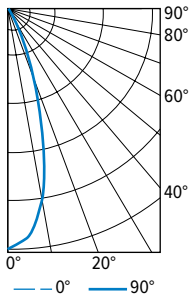
4DS-L21/9DW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1956 lumens; 37.7 Watts | Efficacy: 51.9 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1454	1454	1454	
5	1441	1441	1442	137
15	1359	1379	1388	386
25	1055	1194	1058	502
35	477	726	468	368
45	302	328	299	246
55	183	188	182	169
65	96	93	94	97
75	40	39	40	43
85	5	4	6	8
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1025	52
	0 - 40	1393	71
	0 - 60	1807	92
	0 - 90	1956	100
	0 - 180	1956	100

4DS-L21/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2147 lumens; 37.7 Watts | Efficacy: 56.9 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5763	5763	5763	
5	5553	5518	5492	501
15	3328	3348	3267	907
25	903	941	816	457
35	204	234	181	149
45	73	80	69	61
55	38	40	38	36
65	24	23	24	23
75	10	10	9	10
85	2	1	2	3
90	0	0	0	

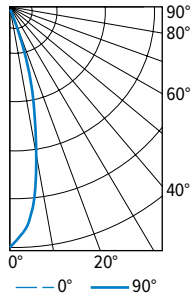
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1865	87
	0 - 40	2014	94
	0 - 60	2111	98
	0 - 90	2147	100
	0 - 180	2147	100



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4.5" Downlight – Square

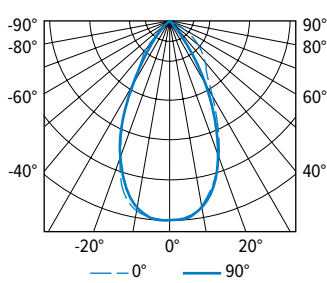
4DS-L21/9DW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2180 lumens; 37.7 Watts | Efficacy: 57.8 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	9117	9117	9117	
5	8263	8125	8188	710
15	3429	3196	3064	934
25	720	631	557	341
35	151	142	116	97
45	56	59	51	45
55	30	30	29	28
65	17	16	16	17
75	9	8	8	8
85	0	0	0	1
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1985	91
	0 - 40	2082	96
	0 - 60	2155	99
	0 - 90	2180	100
	0 - 180	2180	100

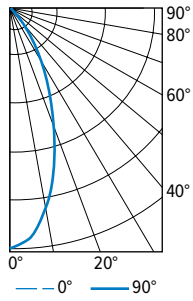
4DS-L21/9DW-DIM-UNV-OWW-OF-CS Total Luminaire Output: 1677 lumens; 37.7 Watts | Efficacy: 44.5 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1775	1775	1775	1775	1775	
5	1774	1765	1766	1768	1767	166
15	1512	1528	1521	1595	1585	430
25	1033	1081	989	1127	999	477
35	591	553	390	537	457	323
45	433	254	128	184	171	173
55	261	80	18	30	20	71
65	158	17	0	0	0	28
75	53	0	0	0	0	9
85	0	0	0	0	0	0
90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1073	64
	0 - 40	1396	83
	0 - 60	1641	98
	0 - 90	1677	100
	0 - 180	1677	100

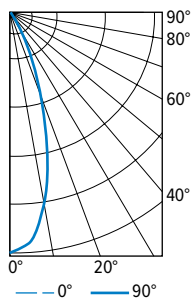
4DS-L21/9DW-DIM-UNV-OM-OF-CS Total Luminaire Output: 1991 lumens; 37.7 Watts | Efficacy: 52.8 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3551	3551	3551	
5	3411	3376	3376	311
15	2464	2440	2436	677
25	1313	1300	1305	606
35	425	531	413	308
45	60	124	57	79
55	6	10	6	9
65	0	0	0	0
75	0	0	0	0
85	0	0	0	0
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1595	80
	0 - 40	1902	96
	0 - 60	1991	100
	0 - 90	1991	100
	0 - 180	1991	100

4DS-L21/9DW-DIM-UNV-RM-OF-WH Total Luminaire Output: 2116 lumens; 37.7 Watts | Efficacy: 56.1 lm/W | 95.0 CRI; 3000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5655	5655	5655	
5	5454	5390	5360	490
15	3323	3305	3238	897
25	899	961	918	472
35	179	243	199	152
45	58	75	60	55
55	32	33	30	29
65	16	15	16	15
75	4	3	3	5
85	0	0	0	1
90	0	0	0	

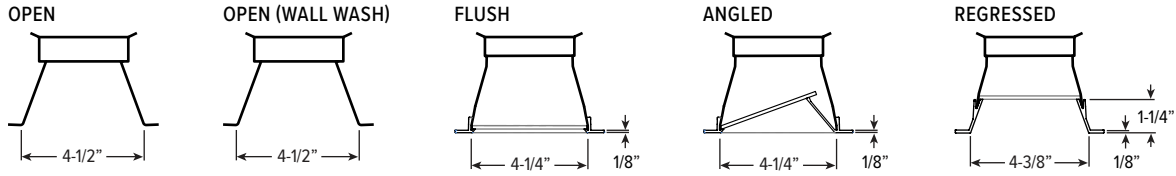
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1859	88
	0 - 40	2012	95
	0 - 60	2096	99
	0 - 90	2116	100
	0 - 180	2116	100



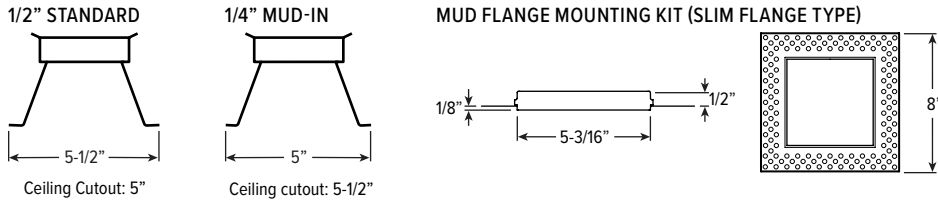
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4.5" Downlight – Square

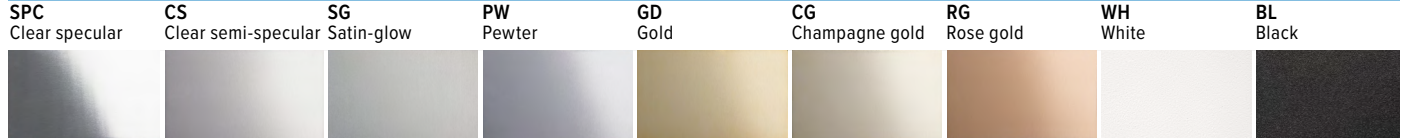
TRIM TYPE DETAILS



FLANGE TYPE DETAILS

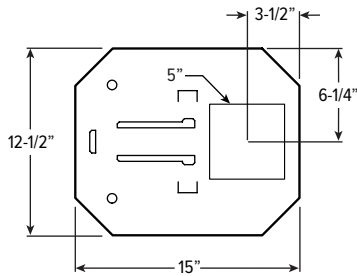


REFLECTOR FINISH DETAILS

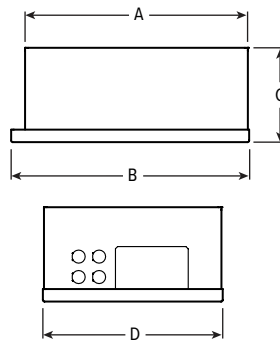


MOUNTING TYPE DETAILS

NEW CONSTRUCTION

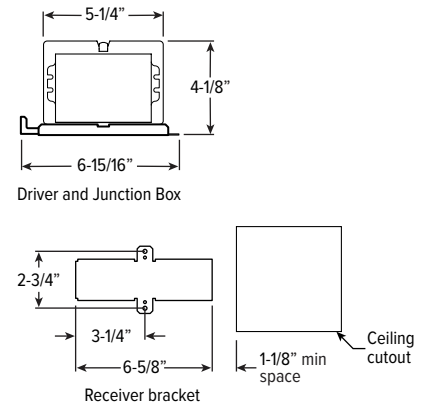


IC-RATED



LUMENS	LENGTH			
	A	B	C	D
L7 - L13	15-3/16"	16"	6-3/8"	12-1/8"

REMODEL

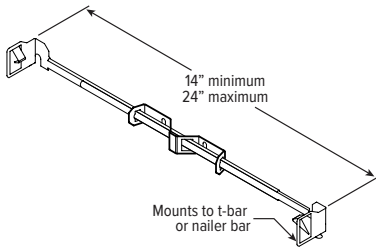


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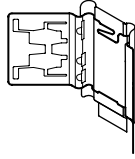
4.5" Downlight – Square

MOUNTING HARDWARE DETAILS

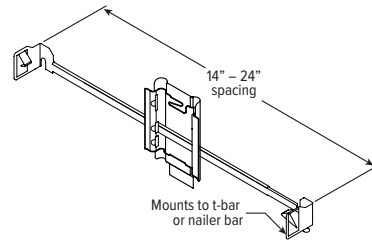
F1 2-Position fixed pan bracket, universal bar hanger included



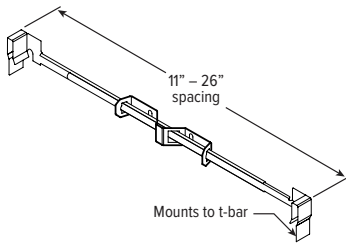
BA1 Adjustable butterfly pan bracket, bar hanger not included



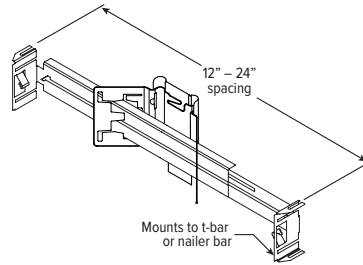
CA1 Adjustable caterpillar pan bracket, universal bar hanger included



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



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



CA2 Adjustable caterpillar pan bracket, t-bar hanger included

