



# 4DR dim to WARM

## 4.5" Downlight – Round

### 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)
L8	W	862	3000K	1800K	14.0	61.6
	M	830			14.0	59.3
	N	800			14.0	57.1
L15	W	1511			23.4	64.6
	M	1455			23.4	62.3
	N	1402			23.4	60.0
L24	W	2218			37.7	58.8
	M	2226			37.7	59.0
	N	2228			37.7	59.1

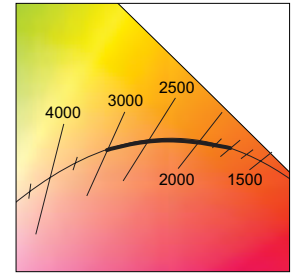
#### FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	670	3000K	1800K	14.0	47.9
	M	760			14.0	54.3
	N	765			14.0	54.7
L15	W	1175			23.4	50.3
	M	1333			23.4	57.0
	N	1242			23.4	57.4
L24	W	1925			37.7	51.1
	M	1995			37.7	52.9
	N	2197			37.7	58.3

#### REGRESSED LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L8	W	678	3000K	1800K	14.0	48.4
	M	763			14.0	54.5
	N	769			14.0	54.9
L15	W	1188			23.4	50.8
	M	1337			23.4	57.2
	N	1348			23.4	57.7
L24	W	1945			37.7	51.6
	M	1997			37.7	52.9
	N	2208			37.7	58.6

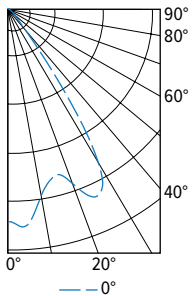
OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79



- 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

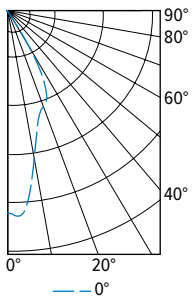
4DR-TL-L24/9DW-DIM-UNV-OW-OF-CS Total Luminaire Output: 2218 lumens; 37.7 Watts | Efficacy: 58.8 lm/W | 95.0 CRI; 3604K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2409	
	5	2435	219
	15	1942	572
	25	2281	994
	35	418	358
	45	63	52
	55	19	18
	65	5	5
	75	1	1
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2142	97
	0 - 60	2211	100
	0 - 90	2218	100
	0-180	2218	100

4DR-TL-L24/9DW-DIM-UNV-OM-OF-CS Total Luminaire Output: 2226 lumens; 37.7 Watts | Efficacy: 59.0 lm/W | 95.0 CRI; 3600K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4505	
	5	4458	386
	15	2571	737
	25	1990	860
	35	175	199
	45	40	32
	55	9	9
	65	2	3
	75	1	1
	85	0	0
	90	0	0

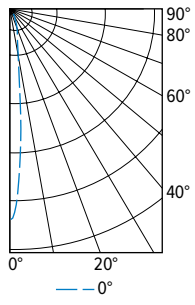
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	2182	98
	0-60	2223	99
	0-90	2226	100
	0-180	2226	100



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## 4.5" Downlight – Round

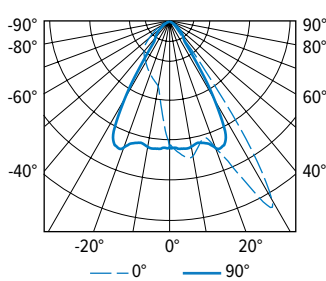
4DR-TL-L24/9DW-DIM-UNV-ON-OF-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1lm/W | 95.0 CRI; 3587K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	23697	
	5	11887	864
	15	2638	738
	25	1014	496
	35	99	118
	45	11	9
	55	2	3
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	2216	99
	0-60	2227	100
	0-90	2228	100
	0-180	2228	100

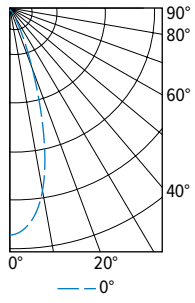
4DR-TL-L24/9DW-DIM-UNV-OWW-OF-CS Total Luminaire Output: 1258 lumens; 37.7 Watts | Efficacy: 33.4 lm/W | 95.0 CRI; 3596K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1152	1152	1152	1152	1152	
	5	1229	1175	1171	896	792	98
	15	1112	1104	1153	492	543	247
	25	1724	1283	1145	405	454	406
	35	482	287	248	339	378	221
	45	74	69	151	269	290	129
	55	33	31	78	159	160	84
	65	23	20	33	82	84	48
	75	8	5	13	40	38	22
	85	0	0	2	6	0	3
	90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	973	77
	0 - 60	1185	94
	0 - 90	1258	100
	0 - 180	1258	100

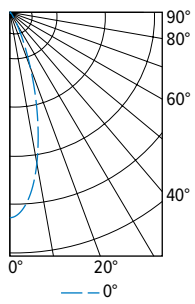
4DR-TL-L24/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 1995 lumens; 37.7 Watts | Efficacy: 52.9 lm/W | 95.0 CRI; 3549K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5162	
	5	4941	451
	15	3032	811
	25	820	395
	35	214	143
	45	98	77
	55	62	56
	65	38	38
	75	19	20
	85	4	5
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1800	90
	0-60	1932	97
	0-90	1995	100
	0-180	1995	100

4DR-TL-L24/9DW-DIM-UNV-RM-OF-WH Total Luminaire Output: 1997 lumens; 37.7 Watts | Efficacy: 52.9 lm/W | 95.0 CRI; 3546K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5756	
	5	5364	479
	15	2980	809
	25	874	418
	35	216	143
	45	83	66
	55	47	42
	65	25	25
	75	10	11
	85	3	3
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1849	93
	0-60	1958	98
	0-90	1997	100
	0-180	1997	100

### TRIMLOCK DETAILS

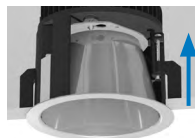
**TWIST**



**PULL**



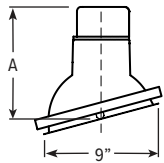
**RELEASE**



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## 4.5" Downlight – Round

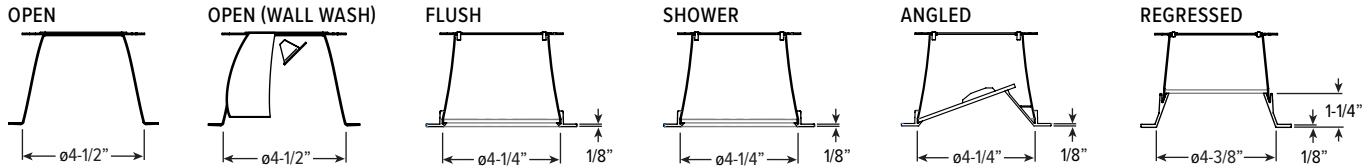
### SLOPED CEILING ADAPTOR DETAILS



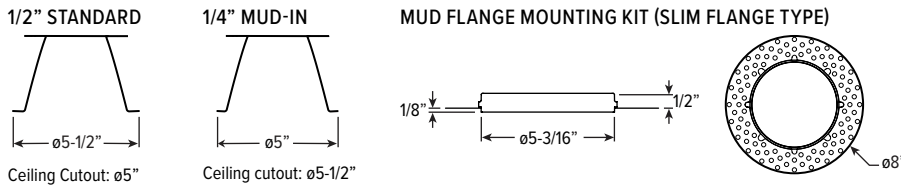
LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
L8 - L15	8-13/16"	8-15/16"	9"	8-15/16"	8-7/8"	8-11/16"	9-1/4"
L24	9-9/16"	9-11/16"	9-11/16"	9-5/8"	9-1/2"	9-5/16"	10"

15° Shown

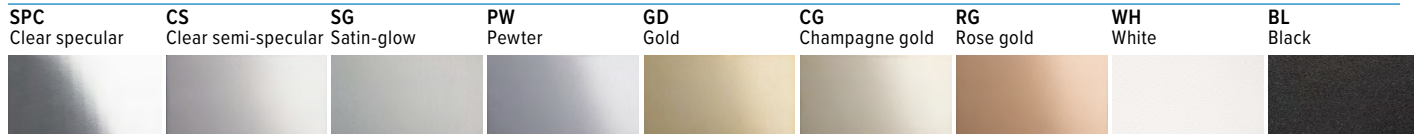
### TRIM TYPE DETAILS



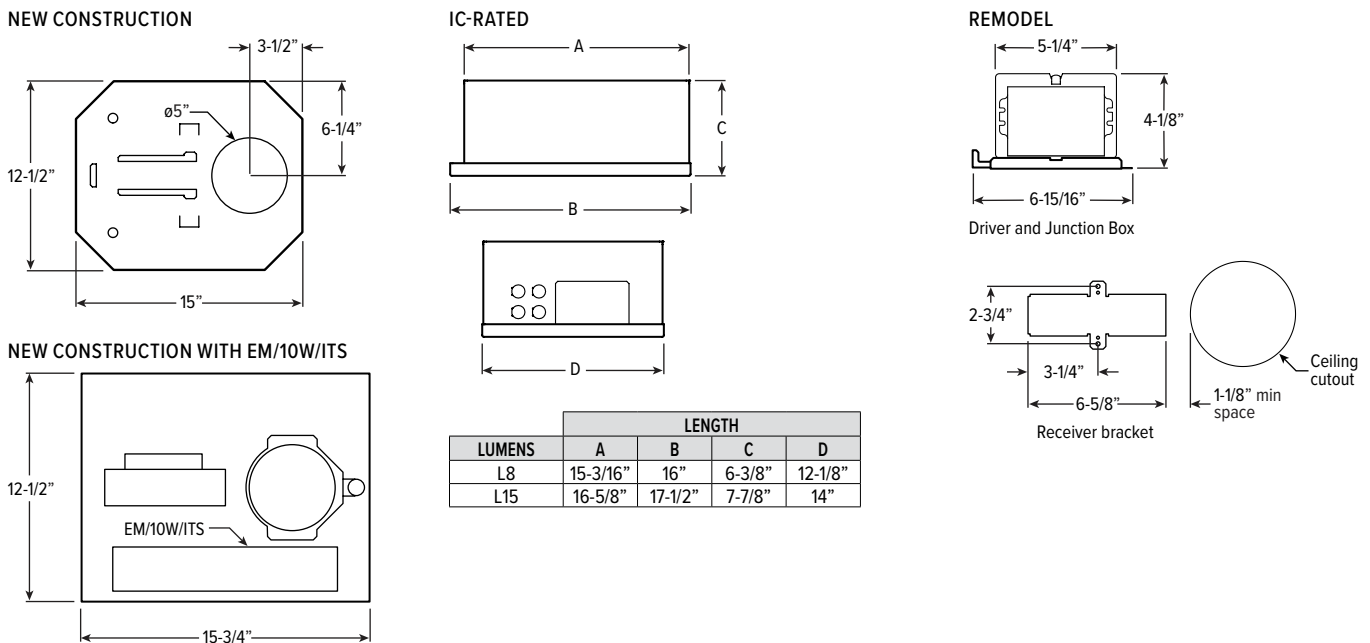
### FLANGE TYPE DETAILS



### REFLECTOR FINISH DETAILS



### MOUNTING TYPE DETAILS

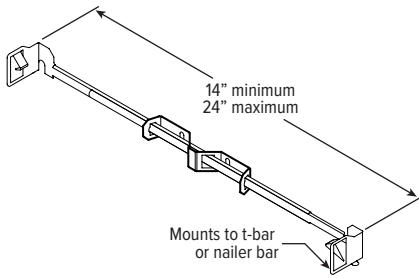


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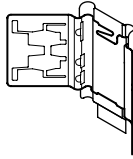
## 4.5" Downlight – Round

### MOUNTING HARDWARE DETAILS

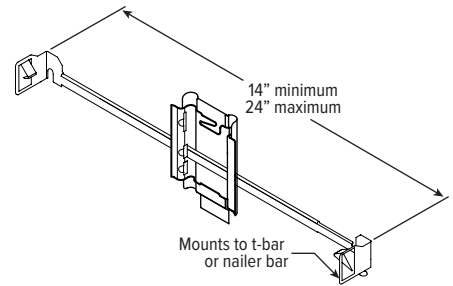
**F1** 2-Position fixed pan bracket, universal bar hanger included



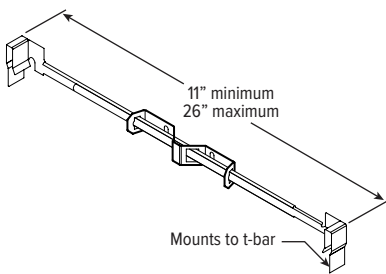
**BA1** Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type)



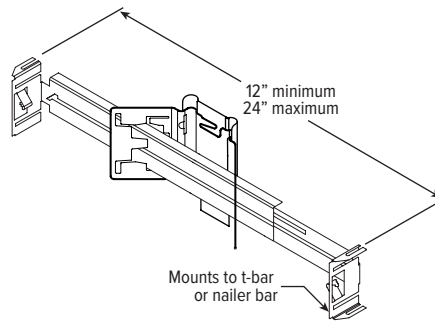
**CA1** Adjustable caterpillar pan bracket, universal bar hanger included



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



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



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

