



# 4DR tunable COLOR 4.5" Downlight – Round

## FIXTURE PERFORMANCE DATA

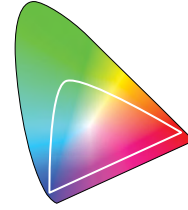
### OPEN REFLECTOR TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1391	24.0	58.0
	RED		147	4.1	35.9
	BLUE		66	6.9	9.6
	GREEN	M	470	10.8	43.5
	4000K		1336	24.0	55.7
	RED		141	4.1	34.4
	BLUE	N	63	6.9	9.1
	GREEN		452	10.8	41.9
	4000K		1274	24.0	53.1
L21	RED	W	135	4.1	32.9
	BLUE		60	6.9	8.7
	GREEN		431	10.8	39.9
	4000K	M	2079	40.1	51.9
	RED		225	6.8	33.1
	BLUE		101	11.5	8.8
	GREEN	N	719	18.0	39.9
	4000K		2076	40.1	51.8
	RED		216	6.8	31.8
	BLUE	M	97	11.5	8.4
	GREEN		691	18.0	38.4
	4000K		2078	40.1	51.8
RED	N	206	6.8	30.3	
BLUE		92	11.5	8.0	
GREEN		656	18.0	36.4	

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

### FLUSH LENS TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1082	24.0	45.1
	RED		114	4.1	27.8
	BLUE		51	6.9	7.4
L21	GREEN	W	366	10.8	33.9
	4000K		1402	40.1	34.9
	RED		175	6.8	25.7
L21	BLUE	W	78	11.5	6.8
	GREEN		560	18.0	31.1



### REGRESSED LENS TRIM TYPE

	COLOR	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L13	4000K	W	1094	24.0	45.6
	RED		116	4.1	28.3
	BLUE		52	6.9	7.5
	GREEN		370	10.8	34.3
L21	4000K	W	1372	40.1	34.2
	RED		177	6.8	26.0
	BLUE		79	11.5	6.9
	GREEN		565	18.0	31.4

### MULTIPLIER TABLES

WHITE CONVERSION FACTOR		
CCT	LUMENS	WATTS
2000K	0.54	0.50
2700K	0.81	0.69
3000K	0.91	0.79
3500K	0.93	0.91
4000K	1.00	1.00
5000K	0.83	0.84
6000K	0.64	0.67
8000K	0.48	0.57

O TRIM	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
	CS	1.00
	SG <sup>1</sup>	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH <sup>1</sup>	0.89
BL <sup>1</sup>	0.47	

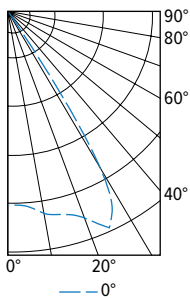
TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85
TD	0.75
WET/CC <sup>2</sup>	0.85

- Distribution will also be affected, consult factory.
- Use multiplier when specified with O Trim Type.

R TRIM	WH	1.00
	CS	0.98
	BL	0.79

## PHOTOMETRY

4DR-TL-L21/9TC-DIM-120-OW-OF-CS Total Luminaire Output: 2079 lumens; 40.1 Watts | Efficacy: 51.9 lm/W | 97.6 CRI; 3604K CCT

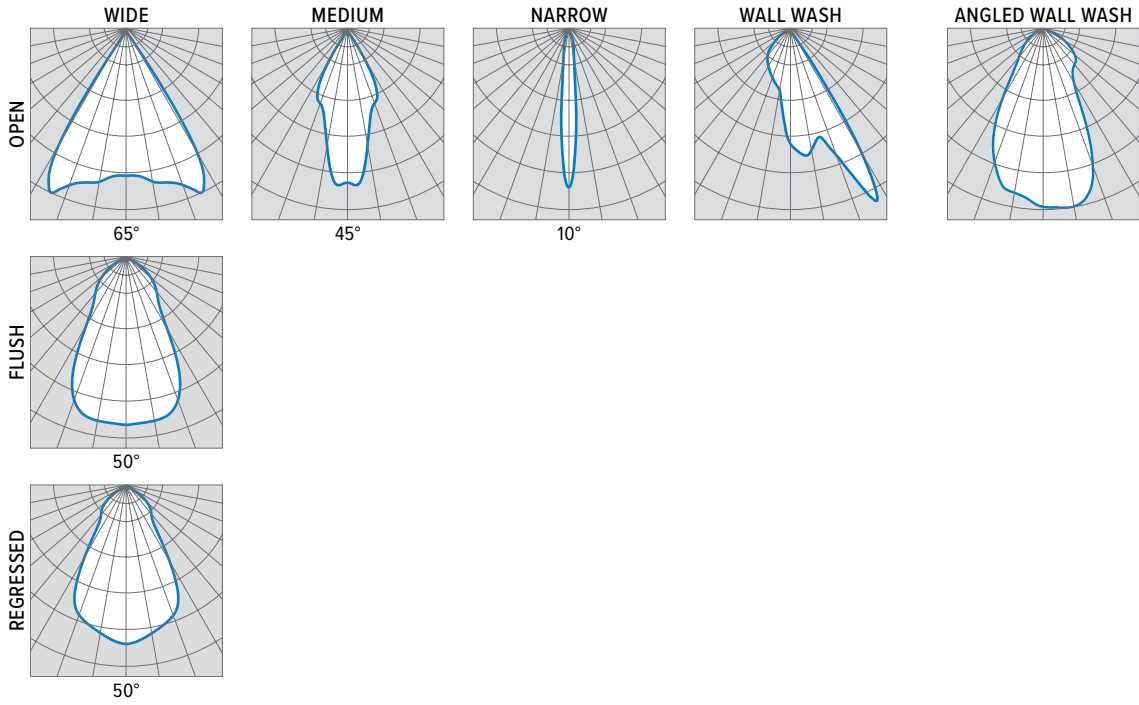


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1877	
	5	1933	184
	15	2033	576
	25	2314	1070
	35	318	200
	45	46	36
	55	11	10
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2031	98
	0 - 60	2078	100
	0 - 90	2079	100
	0-180	2079	100



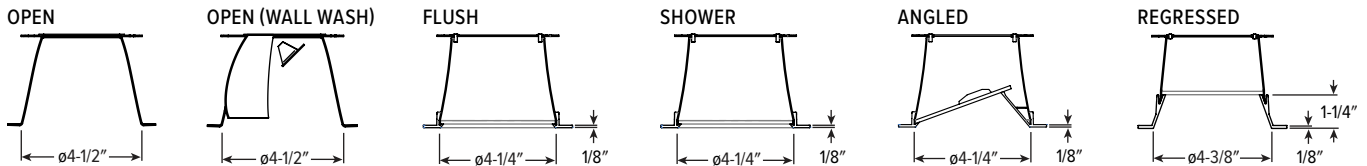
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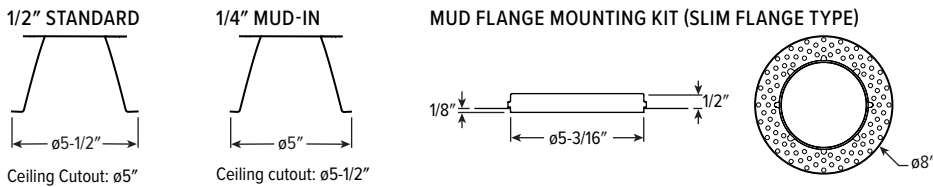
## TRIMLOCK DETAILS



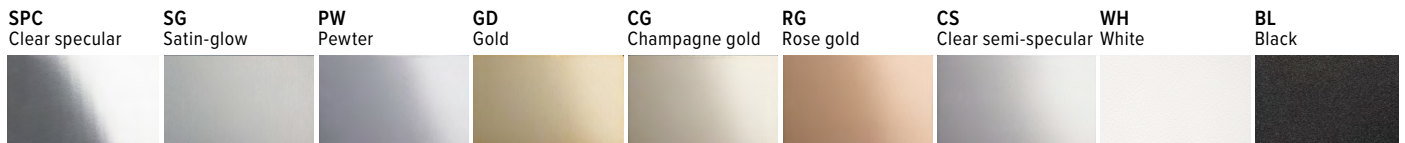
## TRIM TYPE DETAILS



## FLANGE TYPE DETAILS



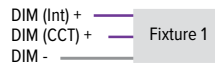
## REFLECTOR FINISH DETAILS



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## CONTROL DETAILS

### DIM



### DALI



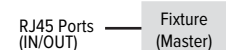
### LUTRON ECOSYSTEM



### WATTSTOPPER DLM



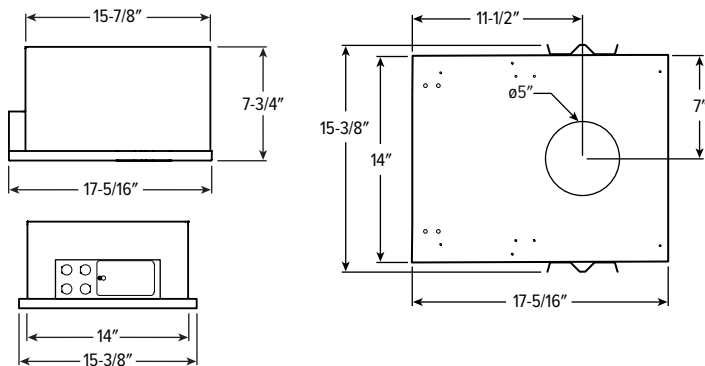
### DMX



PROTOCOL	(1) DIMMING <sup>[1]</sup>	(2) CCT	(3) SATURATION	(4) HUE
0-10V DIM <sup>[4]</sup>	1%	1650 - 8000K	[2]	[2]
DALI TYPE 8	0.1%	1650 - 8000K	–	–
LUTRON ECOSYSTEM <sup>[3]</sup>	0.1%	1650 - 8000K	–	–
WATTSTOPPER DLM <sup>[3]</sup>	0.1%	1650 - 8000K	–	–
DMX512-A-RDM <sup>[3]</sup>	0.1%	1650 - 8000K	1 - 100%	1 - 60°

- <sup>1</sup> 100 – 0.1% dimming is available when connected to 0.1% dimming capable digital controls. 100 – 1% dimming is available with analog 0 – 10V control.
- <sup>2</sup> Two 0 – 10V lines can be used to control DIM and CCT independently, or program Scenes – in any combination of DIM, CCT, HUE and SAT – and recall them with five 0 - 10V presets.
- <sup>3</sup> May be limited to 1% dimming by controller; see control system specification for details.
- <sup>4</sup> 1 – 10V signal dims module to approximately 1%. In-line power relay required to achieve 0% output.

## MOUNTING TYPE DETAILS



## MOUNTING HARDWARE DETAILS

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

