

DATE

PROJECT

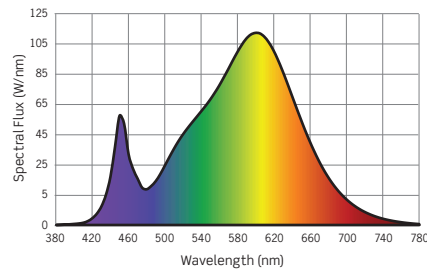
TYPE

CTL18 SERIES | Stealth Wall Lighter Photometrics

PHOTOMETRICS: CTL184V3D/CTL184H3D

Color Rendering Index (CRI)¹: 80.9
 Color Temperature (CCT)²: 3116K
 Designed for 50,000 Hour Lamp Life³
 LM-79 Test: S19041604

Spectral Power Distribution Chart⁴



LED SERIES	TOTAL W @ 120V	DELIVERED LMS	LM/WATT	LM-63 TEST
CTL189 16W/SERIES 1	15.8W	2236Lm	141.5	G19032206
CTL180 22W/SERIES 2	21.9W	3049Lm	139.2	G19032204
CTL181 31W/SERIES 3	30.4W	4107Lm	135.1	G19032202
CTL182 36W/SERIES 4	35.8W	4718Lm	131.8	G19032104
CTL183 43W/SERIES 5	42.6W	5418Lm	127.2	G19032102
CTL184 47W/SERIES 6	45.9W	6002Lm	130.6	G19041502

1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on wattage, CCT and CRI. To estimate lumen output of the various options, multiply CTL184 (3000K, Standard CRI) results using the following tables:

DIMMING MULTIPLIERS		
LED SERIES	STD DIMMING	D3 OPTION
CTL189 16W/SERIES 1	0.37	0.30
CTL180 22W/SERIES 2	0.51	0.43
CTL181 31W/SERIES 3	0.68	0.61
CTL182 36W/SERIES 4	0.79	N/A
CTL183 43W/SERIES 5	0.90	N/A

CCT MULTIPLIERS		
CCT	STD CRI	HIGH CRI
2700K	0.95	0.74
3000K	N/A	0.85
3500K	1.03	0.89
4000K	1.07	0.92

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PHOTOMETRICS: CTL184V3D/CTL184H3D

Footcandles on Wall: Track 3 Feet From Wall, 10 FT Mounting Height, Tilted 40 Degrees ▲ is beam center

Distance from Ceiling	Single Unit						Multiple Units								
	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	4 FT on Center			6 FT on Center			8 FT on Center		
	▲						▲		▲	▲		▲		▲	
1 FT	169	142	91	48	15	4	197	191	201	176	98	175	170	30	173
2 FT	227	193	129	80	38	11	303	265	305	233	166	231	228	78	229
3 FT	184	161	114	79	51	23	289	248	290	201	162	201	187	101	188
4 FT	114	105	80	60	42	27	202	189	203	142	122	142	119	87	119
5 FT	64	59	50	38	29	22	129	132	130	95	80	95	72	60	72
6 FT	37	35	31	25	20	16	89	91	89	64	58	64	49	42	49
7 FT	23	23	21	18	14	12	65	67	66	46	45	46	36	32	37
8 FT	16	16	15	13	11	9	50	51	51	35	35	34	27	25	28
9 FT	12	12	11	10	9	8	38	39	38	26	26	26	21	20	21

Footcandles on Wall: Track 4 Feet From Wall, 10 FT Mounting Height, Tilted 40 Degrees ▲ is beam center

Distance from Ceiling	Single Unit						Multiple Units								
	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	4 FT on Center			6 FT on Center			8 FT on Center		
	▲						▲		▲	▲		▲		▲	
1 FT	74	67	53	37	21	8	111	111	113	83	77	82	77	42	78
2 FT	125	113	86	62	42	22	212	192	214	145	128	144	130	87	131
3 FT	117	109	88	65	47	31	217	210	218	152	134	151	125	95	125
4 FT	101	94	76	57	44	33	195	195	196	141	121	141	108	90	108
5 FT	71	68	59	47	37	29	161	163	161	116	102	115	86	76	87
6 FT	47	45	40	33	27	22	119	121	120	84	78	84	66	56	67
7 FT	31	30	27	24	20	17	89	90	90	61	60	62	49	43	50
8 FT	21	20	19	17	15	13	67	70	68	47	48	47	37	35	37
9 FT	15	15	13	12	11	10	51	53	54	37	37	37	28	28	28

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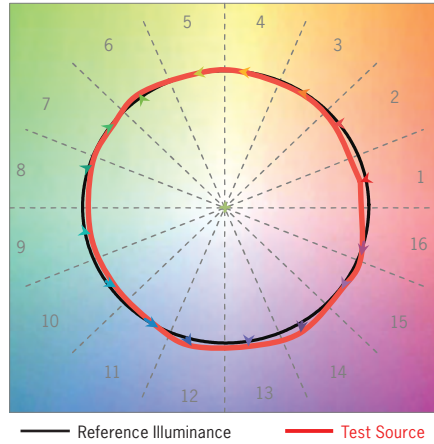
TM-30 DATA: CTL184V3D/CTL184H3D

ANSI/IES TM-30-18 Color Rendition Report Test No. S21012903

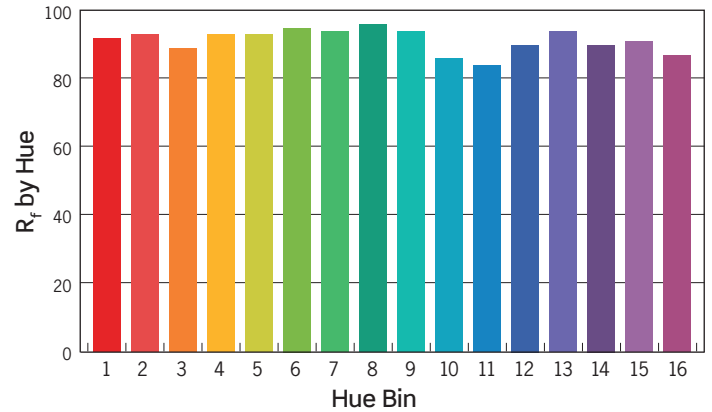
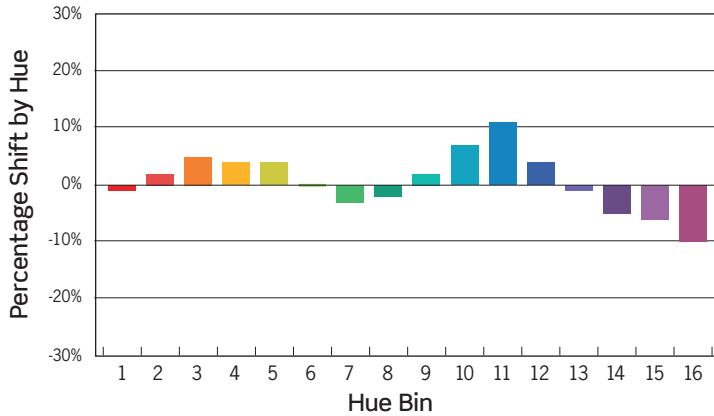
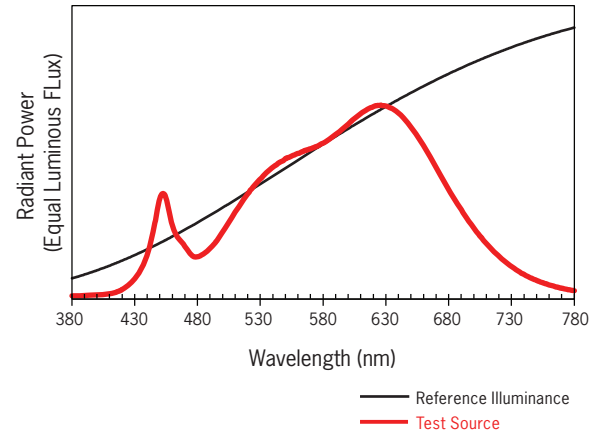
Colors are for visual orientation purposes only

R_f	91
R_g	100
CCT(K)	3111K
D_{uv}	0.0022
u^I	0.2460
v^I	0.5222

Color Vector Graphic



Spectral Power Distribution Comparison



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	2%	5%	4%	4%	0%	-3%	-2%	2%	7%	11%	4%	-1%	-5%	-6%	-10%
R _f VALUE	92	93	89	93	93	95	94	96	94	86	84	90	94	90	91	87