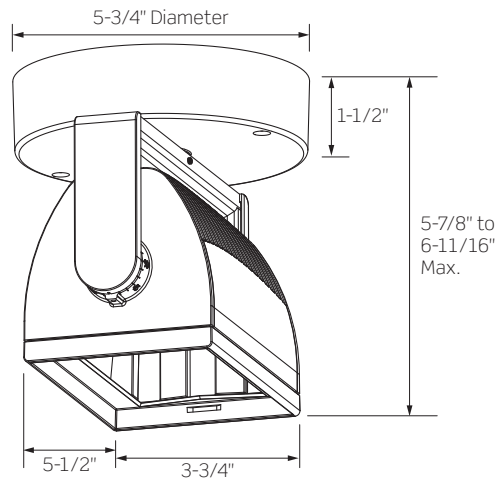




DATE

PROJECT

TYPE

CTL18*C SERIES | Stealth Wall Lighter Mono-Point Canopy Mount Luminaires



	CTL189C	CTL180C	CTL181C	CTL182C	CTL183C	CTL184C
WATTAGE	16W	22W	31W	36W	43W	47W
LUMEN OUTPUT ¹	2200Lm	3000Lm	4100Lm	4700Lm	5400Lm	5900Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
DRIVER INPUT WATTAGE						
MVD Driver Option	16W	22W	31W	36W	43W	47W
MVD4 Driver Option	16W	22W	30W	N/A	N/A	N/A
DRIVER INPUT VOLTAGE	120V, 50/60Hz; Dimmable at 120V only					
MVD Driver Option	120V, 50/60Hz; Dimmable at 120V only			N/A	N/A	N/A
MVD4 Driver Option	120V - 277V, 50/60Hz (Dimmable at 120V only)					
DIMMING TYPE	TRIAC/Incandescent (Forward Phase)/ELV (Reverse Phase)/0-10V					
MOUNTING	Ceiling or Wall					
  LISTINGS	cCSAus Certified to UL Standards on Base Models Suitable for Dry Locations Declare SM Compliant					
WARRANTY	Five (5) year replacement after date of purchase					
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance					

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

DATE

PROJECT

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CTL18*C SERIES | Stealth Wall Lighter Mono-Point Canopy Mount Luminaires

ORDERING INFORMATION

Example Order: -

Luminaire	Orientation	Color Temp/CRI	Dimming	Finish
CTL189 - 16W/2200Lm	C - Mono-Point Canopy	<i>83 (80min) CRI</i>	MVD - 120-277V TRIAC/ELV/0-10V MVD4 ¹ - 120-277V Lutron Hi-lume 1% EcoSystem Driver with Soft-On, Fade-to-Black Dimming	B - Black P - White S - Silver
CTL180 - 22W/3000Lm		27 - 2700K		
CTL181 - 31W/4100Lm		3 - 3000K		
CTL182 - 36W/4700Lm		35 - 3500K		
CTL183 - 43W/5400Lm		4 - 4000K		
CTL184 - 47W/5900Lm		<i>90+ CRI</i>		
		27C - 2700K		
		3C - 3000K		
		35C - 3500K		
		4C - 4000K		

1. Lutron Hi-lume Dimming (MVD4 Option) only available for Series 9 and 0 (16W and 22W)

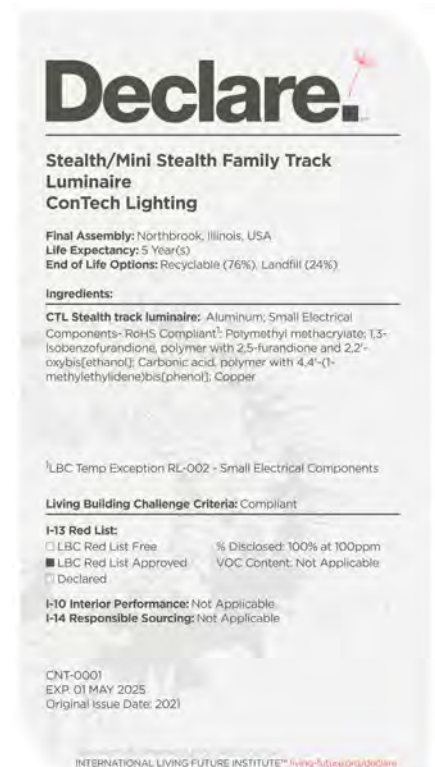
PRODUCT DETAILS

Construction

- Cast and finned aluminum Heatsink thermally engineered to provide optimal heat dissipation, ensuring long life and consistent performance
- Mono-Point Canopy Housing is constructed of cast aluminum, may be ceiling or wall mounted
- Lockable, precision aiming adjustment: 360°+ aiming horizontal, 220° vertical rotation
- Can accept up to two (2) media by using the FA-18 Accessory Holder, FA-48 Snoot, FA-51 Visor or BD18 Barn Doors
- For accessory ordering information, see page 3
- Fixture weight: 3.5lbs

Performance Summary

- 2700K, 3000K, 3500K and 4000K Color Temperatures; excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- 80 CRI min., 83 typical; high 90+ CRI available
- Smooth, wide beam with excellent uniformity; well suited for any wall lighting application
- Dimming is available and allows smooth illumination down to 1% utilizing Lutron EcoSystem (MVD4) driver option; only available for Series 1 (31W) and lower; not available for use with LED Series 2, 3 or 4 (36W, 43W or 47W)
- For Dimmer compatibility of the standard MVD Driver option, refer to Dimming Specification sheet

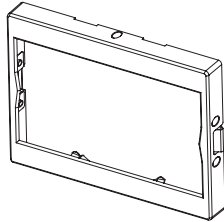


DATE

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TYPE

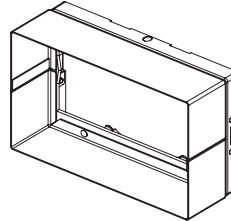
CTL18 SERIES | Stealth Wall Lighter Accessories



Accessory Holder

5-1/4-Inch W x 3-1/2-Inch H x 3/8-Inch D
Accepts up to two (2) LF48 Lenses or FA-52 Louvers.

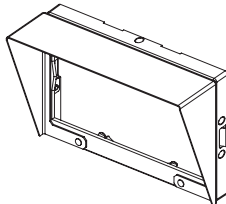
Accessory	Finish
FA-18 - Accessory Holder	B - Black P - White



Snoot

5-1/4-Inch W x 3-1/2-Inch H x 1-1/8-Inch D
Snoot extends 3/4" from face of fixture. Will accept up to two (2) LF48 lenses or FA-52 louvers. For White (-P) and Silver (-S) finishes, the inside surface is black

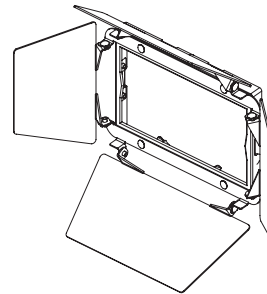
Accessory	Finish
FA-48 - Snoot	B - Black P - White S - Silver



Visor

5-1/4-Inch W x 3-1/2-Inch H x 3/8-Inch D
Visor extends 3/4" from face of fixture. Will accept up to two (2) LF48 lenses or FA-52 louvers. For White (-P) and Silver (-S) finishes, the inside surface is black.

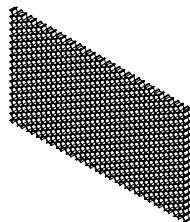
Accessory	Finish
FA-51 - Visor	B - Black P - White S - Silver



Barn Doors

5-1/4-Inch W x 3-1/2-Inch H
Barn doors extend 3-inches max. from face of fixture. Will accept up to two (2) LF48 lenses or FA-52 louvers.
Width: 4-1/2" to 10-3/4"
Height: 3-1/2" to 9"

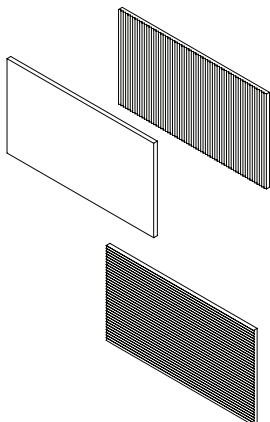
Accessory	Finish
BD18 - Barn Doors	B - Black P - White S - Silver



Honeycomb Louver

4-15/16-Inch W x 2-3/4-Inch H x 1/8-Inch D
Glare control and shielding accessory. Black finish.

Accessory
FA-52 - Honeycomb Louver



Tempered Glass Lenses

4-15/16-Inch W x 2-3/4-Inch H x 1/8-Inch D
Requires FA-19 Accessory Holder.

Accessory
LF48 - Tempered Glass Lenses

Finish	
73 - Spread Lens	A - Amber
LSH - Linear Spread Lens, Horizontal <i>Elongates beams horizontally</i>	B - Blue
LSV - Linear Spread Lens, Vertical <i>Elongates beams vertically</i>	CL - Clear
SL - Soft Light	DPE - Dichroic Peach
SOL - Solite	G - Green
UV - Optivex UV Filter	LB - Light Blue
	R - Red
	RO - Rose
	Y - Yellow

DATE

PROJECT

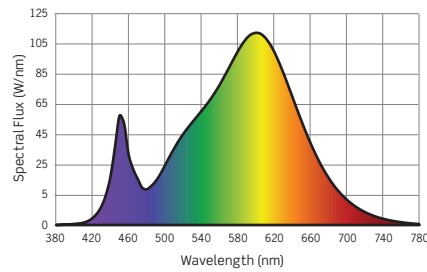
TYPE

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

DATE

PROJECT

TYPE

CTL18 SERIES | Stealth Wall Lighter Photometrics

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

DATE

PROJECT

TYPE

CTL18 SERIES | Stealth Wall Lighter Photometrics

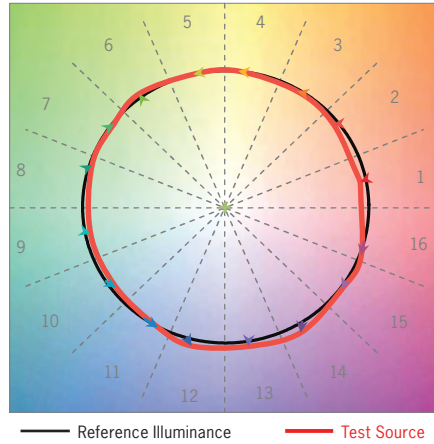
TM-30 DATA: CTL184V3D/CTL184H3D

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

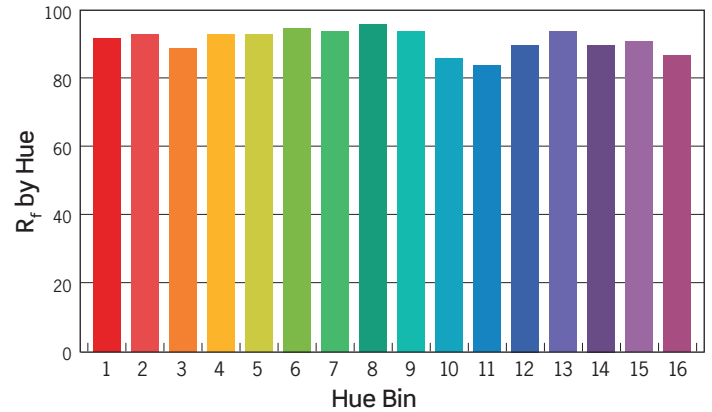
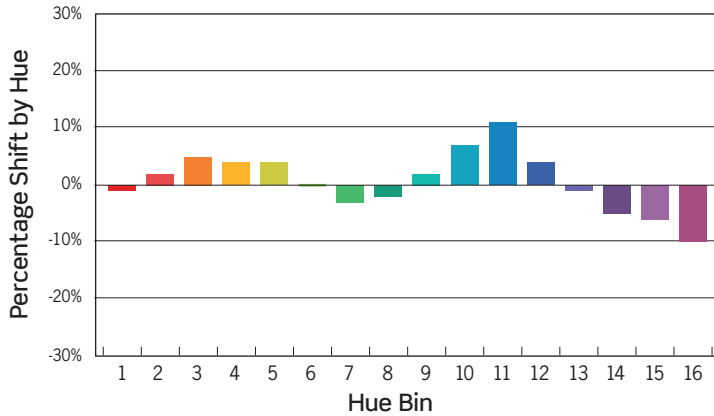
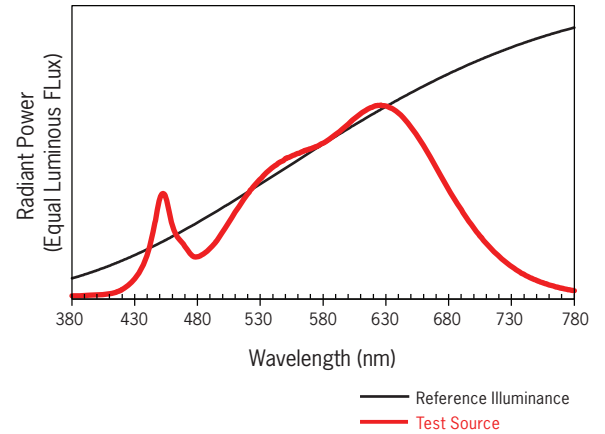
Colors are for visual orientation purposes only

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