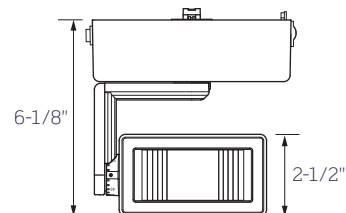
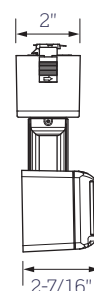
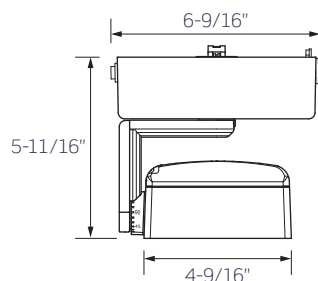
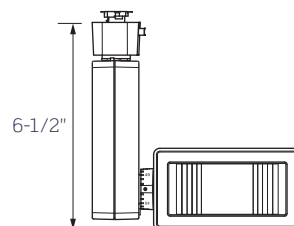
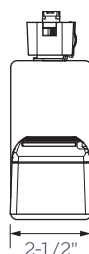
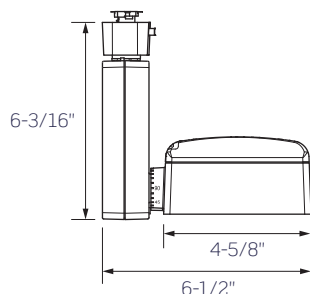



DATE

PROJECT

TYPE

CTL19 | Mini Stealth Wall Lighter Track Luminaire



	CTL190	CTL191	CTL192	CTL193
WATTAGE	14W	19W	28W	35W
LUMEN OUTPUT ¹	1571Lm	2213Lm	3128Lm	3703Lm
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K			
CRI	83 (80min) / 90+			
DRIVER INPUT WATTAGE	14W	19W	28W	35W
DRIVER INPUT VOLTAGE	120V, 50/60Hz			
DIMMING TYPE	120V Forward Phase Only			
COMPATIBILITY	CTL Units are compatible with ConTech Lighting LT/LT2 Single Circuit/Two Circuit Track Systems as well as Juno ^{®4} Lighting Trac-Master [™] (T, TU) Track System HTL Units are compatible with Halo ⁵ Power-Trac (L64, L65) and Lazer (LZR) Track Systems LTL Units are compatible with Lightolier ⁶ Lytespan [®] 6000/1/2 Track Systems			
LISTINGS    cCSAus Declare SM DLC [™]	cCSAus Certified to UL Standards Suitable for Dry Locations only DLC [®] Listed 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

2. Dimmable at 120V Only

3. Juno is a registered trademark of Juno Lighting

4. Halo is a registered trademark of Cooper Lighting

5. Lightolier is a registered trademark of Signify

DATE

PROJECT

TYPE

CTL19 | Mini Stealth Wall Lighter Track Luminaire

ORDERING INFORMATION

Example Order:

CTL192V3D

— P

Track System	Luminaire	Orientation	Color Temp/CRI		Dimming Option	Finish
CTL - ConTech	190 - 14W/1571Lm	H - Horizontal	83 (80min) CRI	90+ CRI	D - Dimming	B - Black
HTL ⁴ - Halo	191 - 19W/2213Lm	V - Vertical	27 - 2700K	27C - 2700K		P - White
LTL ⁵ - Lightolier	192 - 28W/3128Lm		3 - 3000K	3C - 3000K		S - Silver
	193 - 35W/3703Lm		35 - 3500K	35C - 3500K		
			4 - 4000K	4C - 4000K		

For accessory ordering information, see page 3

PRODUCT DETAILS

Construction

- High performance, eco-friendly LED track luminaire
- Smooth wide beam provides excellent uniformity, well suited for any wall lighting application
- Cast and finned aluminum heatsink thermally engineered to provide optimal heat dissipation, ensuring long life and consistent performance
- Lockable, precision aiming adjustment: 360°+ aiming horizontal and 360° vertical rotation
- Integral ON/OFF switch and track polarity indicator are standard
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- Accessory Holder, Barn Doors, Snoot and Visor will accept up to two (2) LF59 Lenses or FA-62 Louvers

Performance Summary

- Dimming available (120V only), allows smooth illumination down to 5%
- For dimmer compatibility of standard “D” driver option, refer to Dimming Specifications sheet
- CTL19 luminaires operate at 120V with ERP drivers dimmable to 5%; for additional information, consult factory

Fixture Compatibility

- Standard ConTech track luminaires (CTL Units) are cCSAus certified as-is for use with ConTech Lighting LT/LT2 Single Circuit/Two Circuit and Luxbeam Track Systems, as well as Juno® Lighting Trac-Master™ Systems.
- By changing the prefix of the part number, ConTech can install inserts which make our fixtures compatible with other manufacturers. Replace “CTL” with “HTL” for Halo® Power-Trac and Lazer-Track systems, and “LTL” for Lightolier Lytespan™ systems. For more information, consult factory.



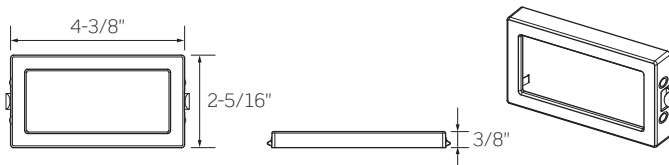
3. Juno is a registered trademark of Juno Lighting
4. Halo is a registered trademark of Cooper Lighting
5. Lightolier is a registered trademark of Signify

DATE

PROJECT

TYPE

CTL19 SERIES | Mini Stealth Wall Lighter Accessories



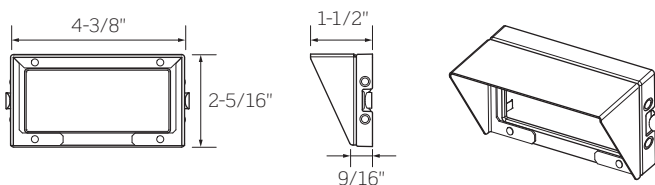
Accessory Holder

Will accept up to two (2) LF59 Lenses or two (2) FA-62 Louvers.

FA-59 - Accessory Holder

Finish

B - Black
P - White
S - Silver



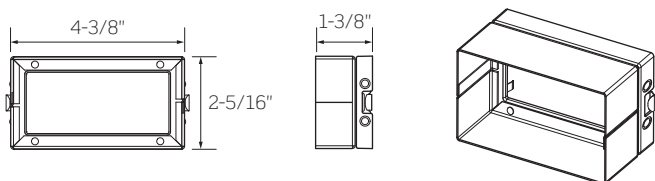
Visor

Visor extends 1-9/16-inches from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers. For White (–P) and Silver (–S) finishes, the inside surface is black.

FA-61 - Visor

Finish

B - Black
P - White
S - Silver



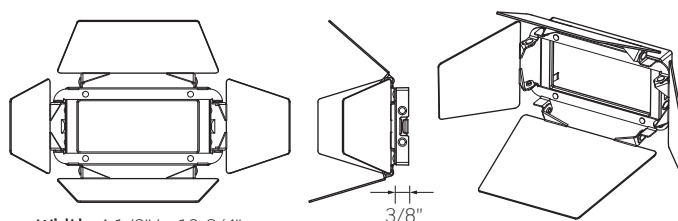
Snoot

Snoot extends 1-inch from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers. For White (–P) and Silver (–S) finishes, the inside surface is black.

FA-60 - Snoot

Finish

B - Black
P - White
S - Silver



Width: 4-1/2" to 10-3/4"
Height: 3-1/2" to 9"

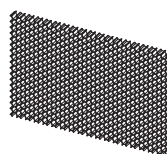
Barn Doors

Barn Doors extend 3-inches max. from face of luminaire. Will accept up to two (2) LF59 Lenses or FA-62 Louvers.

BD19 - Barn Doors

Finish

B - Black
P - White
S - Silver

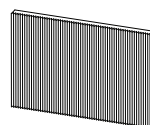


Honeycomb Louver

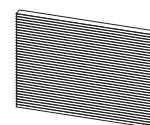
3-15/16" L x 2" H x 1/8" D

For glare control and lamp shielding. Black finish.

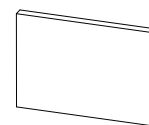
FA-62 - Honeycomb Louver



LSH: Horizontal Linear Spread Lens
Elongates Beam Horizontally



LSV: Vertical Linear Spread Lens
Elongates Beam Vertically



Standard Lens

Tempered Glass Lenses

3-15/16" L x 2" H x 1/8" D

Requires Accessory Holder

LF59

Finish

73 - Spread Lens
LSH - Horizontal Linear Spread Lens
Elongates Beam Horizontally
LSV - Vertical Linear Spread Lens
Elongates Beam Vertically
SL - Soft Light
SOL - Solite
UV - Optivex UV Filter
A - Amber
B - Blue
CL - Clear
DPE - Dichroic Peach
G - Green
LB - Light Blue
R - Red
RO - Rose
Y - Yellow

DATE

PROJECT

TYPE

CTL19 SERIES | Mini Stealth Wall Lighter Track Luminaires

PHOTOMETRICS: CTL193V3D/CTL193H3D

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

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		77	71	42	17.8	5.1	2	82	84	82	78	26	78	77	10	77
2 FT		140	127	76	33	14	5	154	152	154	141	66	141	140	28	140
3 FT		114	106	73	37	17	8	131	147	131	117	75	117	114	34	114
4 FT		73	69	54	33	17	9	90	107	90	77	66	77	73	34	73
5 FT		43	42	36	25	15	8	59	71	59	48	51	48	45	31	45
6 FT		26	26	23	18	13	8	39	46	39	31	36	31	28	25	28
7 FT		16	16	15	12	9	6	26	30	26	21	25	21	18	19	18
8 FT		11	10	10	9	7	4	17	20	17	14	17	14	12	13	12
9 FT		7	7	7	6	5	4	12	13	12	10	12	10	9	10	9

▲ is beam center

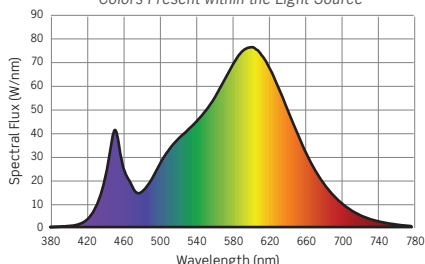
Footcandles on Wall: Track 4 Feet From Wall, 10 FT Mounting Height, Tilted 40 Degrees

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		36	35	27	16	8	3	43	54	43	37	32	37	36	15	36
2 FT		68	65	50	29	15	8	83	100	83	71	59	71	69	30	69
3 FT		77	74	59	38	20	10	97	118	97	83	75	83	78	40	78
4 FT		62	60	51	35	21	12	83	102	83	69	71	69	64	42	64
5 FT		45	43	39	29	19	12	64	77	64	52	58	52	47	38	47
6 FT		31	30	28	22	16	11	47	55	47	37	45	37	33	32	33
7 FT		21	20	19	17	13	9	34	39	34	27	33	27	24	26	24
8 FT		14	14	13	12	10	8	24	27	24	20	24	20	17	20	17
9 FT		10	10	10	9	8	6	18	19	18	15	17	15	13	15	13

▲ is beam center

Spectral Power Distribution Chart

Colors Present within the Light Source



Color Rendering Index (CRI): 82.5

Accuracy of Rendering Colors

Color Temperature (CCT): 3105K

Color Appearance of Light Source

Designed for 50,000 Hour Lamp Life Dependent on Surrounding Temperatures

LM-79 Test: S20090401

LED SERIES	WATTAGE	TOTAL WATTS @ 120V	DELIVERED LUMENS	LM/W	LM-63 TEST
CTL190 - SERIES 0	14W	13.3W	1571.1Lm	118.4	G20090401
CTL191 - SERIES 1	19W	19.1W	2212.5Lm	116.1	G20090303
CTL192 - SERIES 2	28W	27.5W	3128.2Lm	113.6	G20030302
CTL193 - SERIES 3	35W	35.4W	3702.7Lm	104.6	G20090301

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on wattage, CCT and CRI. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

CCT MULTIPLIERS						OUTPUT MULTIPLIERS		
CCT	STD CRI	HIGH CRI	CCT	STD CRI	HIGH CRI	14W/SERIES 0	19W/SERIES 1	28W/SERIES 2
2700K	0.95	0.74	3500K	1.03	0.89	0.42	0.40	0.84
3000K	N/A	0.85	4000K	1.07	0.92			

DATE

PROJECT

TYPE

CTL19 SERIES | Mini Stealth Wall Lighter Track Luminaires

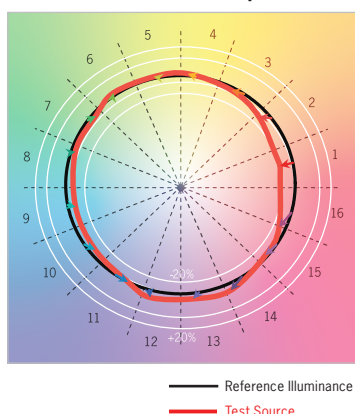
PHOTOMETRICS

TM-30 DATA: CTL193V3D/CTL193H3D

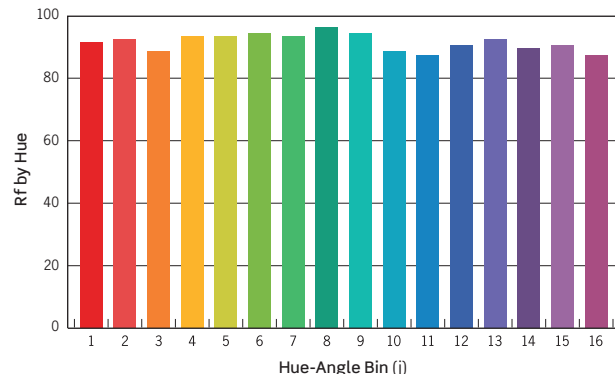
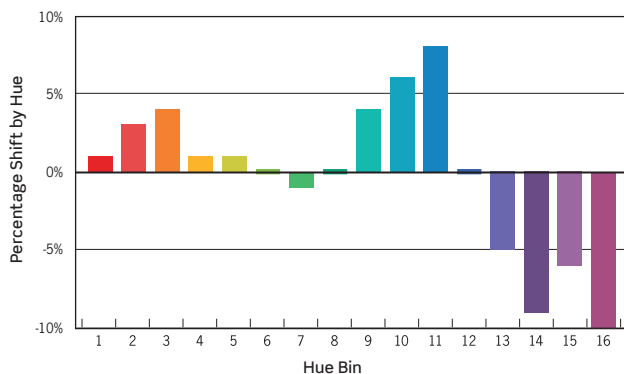
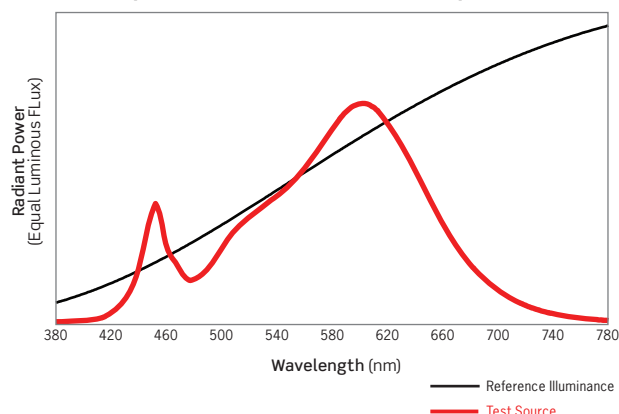
ANSI/IES TM-30-18 Color Rendition Report Test No. S21012902

R_f	85
R_g	96
CCT(K)	3105K
D_{uv}	0.0008
u^I	0.2467
v^I	0.5204

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	0%	3%	5%	3%	3%	0%	-2%	-1%	2%	6%	8%	2%	-3%	-7%	-6%	-10%
R _f VALUE	92	93	89	94	94	95	94	97	95	89	88	91	93	90	91	88

Colors are for visual orientation purposes only

DATE

PROJECT

TYPE

CTL18/CTL19 SERIES | Stealth Series Track Luminaires: Dimming Specifications

- Incandescent 120V AC Dimmers adjust the light with *Forward Phase Control*, where the Dimmer “chops” the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with *Reverse Phase Control*, where the Dimmer “chops” the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- Lutron HiLume Drivers provide continuous dimming from 1%–100%. For a complete list of compatible Dimmers and Controls, visit www.lutron.com

			TRIAC, ELV, 0-10V DIMMING (MVD Option*)
Manufacturer	Product	Model	Light Output
Leviton	Vizia	VPE06	4%-100%
Leviton	Decora	6673-10W	11%-100%
Lutron	Ariadni	TGCL-153P	0%-100%
Lutron	Diva	DVCL-153P	0%-100%
Lutron	Diva	DVELV303P	3%-100%
Lutron	Skylark	SELV300P	3%-100%
Lutron	Maestro	MAELV600	0%-100%
Lutron	Faetra	FAELV500	7%-100%
Lutron	Skylark C	SCL-153P	0%-100%
Lutron	Maestro C•L	MACL-153M	0%-99%
Lutron	RA2 Select	RRD-6CL	2%-98%

*277V Triac Dimming is not available

NOTES

1. If light is measured, then the dimming range is based on light output. If light is not measured, then the dimming range is based on the percentage of output current.
2. Testing was performed with a single fixture connected to dimmer.
3. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
4. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
5. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
6. Consult factory for additional dimming information.