

Day-Brite CFI

by ignify

Linear

LINCS LED
undercabinet

10", 19", or 28" lengths



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Day-Brite / CFI LINCS LED undercabinets enable flexibility to suit the needs of many applications including office, healthcare, educational, and residential. The state of the art LED system provides high resolution lighting with excellent color rendering for high visual acuity on the task plane. The modular design allows field application of control options and continuous connectivity for ease of configuration and installation. LINCS LED is an ideal choice where high performing undercabinet lighting is specified.

Ordering guide

Example: LINCS100EL28935UNVWHGDIM

Family	Length	Color	Voltage	Finish	Driver	Options
LINCS100E					DIM	
LINCS100E LINCS LED Energy Star	L10 10" L19 19" L28 28"	930 3000K, 90 CRI 935 3500K, 90 CRI	UNV Universal Voltage 120-277V 120 120V 277 277V	WHG White Glossy MB Matte Black SA Satin Aluminum SWH Antimicrobial White	DIM Trailing edge phase dimming (ELV)	CSJT3 ^{1,2} SJT cord set hard-wired into back of fixture. UL listed as a portable fixture for use in office workstations (120V only) OSC ^{3,4} Integral occupancy sensor control for UNV linking OSHL ^{3,4} Integral occupancy sensor control for UNV, hard wired RSW ^{4,5} Rocker switch (on/off) for linked input power, controls only this fixture RSL ^{4,5} Rocker switch for hard linked input power, controls fixtures in the linked circuit RSH ^{4,5} Rocker switch for hard wired input power, controls only this fixture RSHL ^{4,5} Rocker switch for hard wired input power, controls fixtures in linked circuit SBF Slow blow fuse

Accessories (order separately)

QTY: _____	LINCS1001 ⁶	Wiring module
QTY: _____	LINCS1001RSW ⁶	Wiring module with rocker switch
QTY: _____	LINCS1002CO ^{2,6}	Wiring module with duplex outlet
QTY: _____	LINCS100PC3W	3' Straight power cord, white
QTY: _____	LINCS100PC6W	6' Straight power cord, white
QTY: _____	LINCS100ICSW	6" Straight interconnect cord, white

Note: Power cords plug into left end of the luminaires.

Notes

- LINCS fixtures with CSJT3 option can not be modularly connected.
- 120V only.
- OSC is not available with LINCS100EL10.
- See controls table page 3.
- Specify 120V or 277V only.
- Specify voltage and finish for these accessories. Include voltage and finish codes from catalog matrix after "1" or "2", i.e. LINCS1001120WHGRSW.



LINCS100E LINCS LED undercabinet

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Features

- Miniature 1" deep profile
- Modular design with accommodating accessories for ease of installation and flexibility in the field.
- Optional wiring module with master on/off switch, duplex convenience outlet, or occupancy sensor
- Extruded aluminum design is durable, lightweight and corrosion resistant
- Available in a white, black, satin aluminum, or antimicrobial white

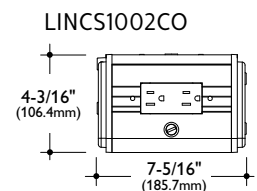
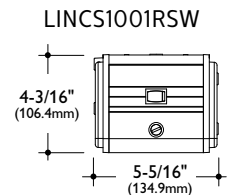
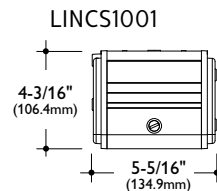
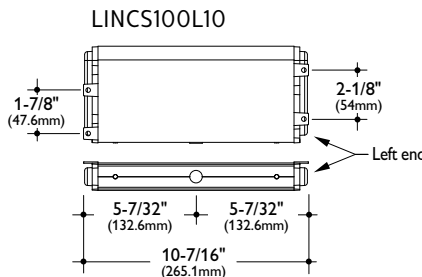
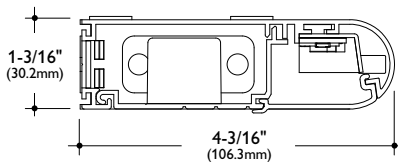
Specifications

- **Construction:** .060" extruded aluminum housing with injection molded polycarbonate endcaps and covers.
- **Reflector and Lens:** Acrylic textured lens to minimize lamp image on task surface.

- **Finish:** LINCS is available in either a white or black polyester powder-coat paint finish. In addition, LINCS can be selected with an anodized satin aluminum finish. Standard white painted and antimicrobial finishes have matching white end caps. Black endcaps are provided with the black painted or satin aluminum finishes.
- **Lamps:** LINCS is supplied with high efficiency LEDs with a color temperature of 3000K or 3500K and 90 CRI. 70% of initial illumination at 50,000 hours at 25°C ambient. The LED board is field replaceable.
- **Listings:** cETLus Listed for direct-wire or portable installations. Damp rated. Energy Star® certified.
- **Electrical:** Luminaires are supplied with an integral, electronic Class "A" LED driver for 120V to 277V applications. Optional passive infrared occupancy sensor control (OSC) available.

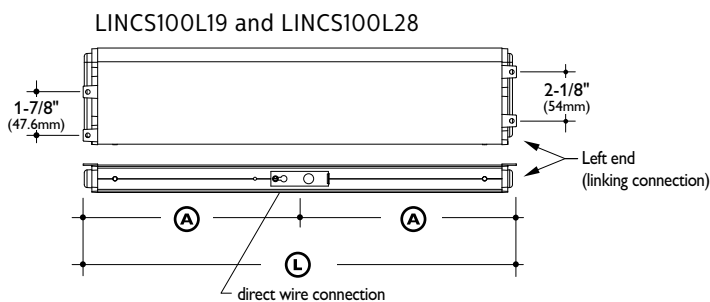
- **Installation:** LINCS include male and female grounded connectors on each end to allow power conductivity with linking connector cord accessories. A UL recognized 3/8" flexible metal conduit/non-metallic sheathed wiring connector is supplied with the luminaire for direct-wiring into knockout in the back of the housing or through adapter plate at the left end. LINCS100-L19 and LINCS100-L28 models have a wiring access panel with a knockout to allow quick wiring of the first luminaire without opening the wireway cover. For portable installations, the LINCS100PC power cord plugs directly into the left end of the luminaire. It is not recommended that LINCS be plugged into a GFCI receptacle.
- **Warranty:** All luminaire components (except for the LED board and driver) are warranted against defects during the life of the original installation. The LED board and driver are warranted for 5 years from date of manufacture. Visit www.philips.com/warranties for complete warranty information.

Dimensional Data



Installation Notes:

- (I) End-plate supplied to allow direct wiring into left end
- When row mounting, allow 1" at end of a run connection of last fixture
- When using power cord, allow 3" at start of run
- Subtract 7/16" for each end-cover removed in row mount applications.



DIMENSION	L	A
LINCS100L19	19-1/4" (489.0mm)	9-5/8" (244.5mm)
LINCS100L28	28-1/16" (712.8mm)	14-1/32" (356.4mm)

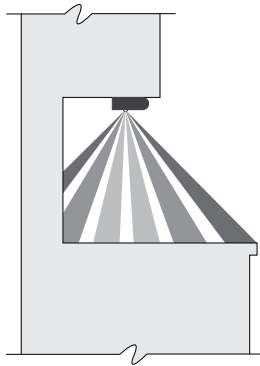
LINCS100E LINCS LED undercabinet

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Controls

Option Code	Description	Voltage	Wiring Type	Control		
				Single Fixture	All In Circuit	Linked Thru Power
OSC (standard)	Integral Occ Sensor - Linked Input Power, Linked Control	UNV	Linked		X	X
OSHL	Integral Occ Sensor - Hard Wired Power, Linked Control	UNV	Hard Wired		X	X
RSW (standard)	Rocker Switch - Linked Input Power	120V or 277V	Linked	X		X
RSLL	Rocker Switch - Linked Input Power, Linked Control	120V or 277V	Linked		X	X
RSH	Rocker Switch - Hard Wired Power	120V or 277V	Hard Wired	X		X
RSHL	Rocker Switch - Hard Wired Power, Linked Control	120V or 277V	Hard Wired		X	X

Wiring Type Describes whether power is linked to the left side of the fixture, or direct wired to the back of the fixture.
Control - Single Fixture The integrated device controls only this single fixture.
Control - All in Circuit The integrated device controls this fixture and all adjacent fixtures (i.e. the thru power is controlled from this fixture).
Linked Thru Power Power is linked to adjacent fixtures via the LINCS connectors.



Integral occupancy sensor control (OSC)
 The OSC has a passive infrared occupancy (PIR) that has a field-adjustable time delay that can be set for 30 sec., 10 min., 20 min., or 30 min. Connect building power to the LINCS luminaire with the OSC. All additional luminaires interconnected to that luminaire will be controlled by the single OSC.

Electrical Data			
Model	LINCS L10	LINCS L19	LINCS L28
Fix. Watts	2.5	4.9	7.3
Total Fix. Lumens	175	391	594
Max. Amps	.02	.04	.06

Maximum of 6 total amps when row mounting.

LINCS100E LINCS LED undercabinet

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Photometry

LINCS LED 10" 3000K

LER – 73

Catalog No. LINCS100E-L10-930-UNV-WHG-DIM Test No. 35770 S/MH 1.2 Lamp Type LED Lumens 184 Input Watts 3 Comparative yearly lighting energy cost per 1000 lumens – \$3.29 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candlepower				Light Distribution			Average Luminance			
	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
	0	79	79	79	0-30	59	32.1	45	7476	7933	7358
	5	80	80	79	0-40	93	50.6	55	6547	6985	6276
	15	76	77	75	0-60	150	81.9	65	5886	6311	5207
	25	69	70	67	0-90	183	99.9	75	5915	6192	4529
	35	58	59	56	0-180	184	100.0	85	9331	9331	4803
	45	44	47	44	Coefficients of Utilization						
	55	31	34	30	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
	65	21	22	18	pcc						
75	13	13	10	pw							
85	7	7	4	RCR							
				0							
				1							
				2							
				3							
				4							
				5							
				6							
				7							
				8							
				9							
				10							

LINCS LED 10" 3500K

LER – 79

Catalog No. LINCS100E-L10-935-UNV-WHG-DIM Test No. 35771 S/MH 1.2 Lamp Type LED Lumens 196 Input Watts 3 Comparative yearly lighting energy cost per 1000 lumens – \$3.04 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candlepower				Light Distribution			Average Luminance			
	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
	0	84	84	84	0-30	63	31.9	45	8017	8457	7814
	5	85	84	84	0-40	99	50.3	55	7069	7507	6735
	15	81	82	80	0-60	161	81.7	65	6424	6792	5773
	25	73	74	72	0-90	196	99.9	75	6423	6700	4806
	35	61	63	60	0-180	196	100.0	85	10017	10017	5077
	45	47	50	46	Coefficients of Utilization						
	55	34	36	32	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
	65	23	24	20	pcc						
75	14	15	10	pw							
85	7	7	4	RCR							
				0							
				1							
				2							
				3							
				4							
				5							
				6							
				7							
				8							
				9							
				10							

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

LINCS LED 19" 3000K

LER – 78

Catalog No. LINCS100E-L19-930-UNV-WHG-DIM Test No. 35772 S/MH 1.2 Lamp Type LED Lumens 392 Input Watts 5 Comparative yearly lighting energy cost per 1000 lumens – \$3.08 based on 3000 hrs. and \$0.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candlepower				Light Distribution			Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross				
	0	167	167	167	0-30	125	31.8	45	8091	8460	7937				
	5	169	167	166	0-40	197	50.2	55	7175	7619	6826				
	15	160	161	159	0-60	320	81.7	65	6539	6955	5779				
	25	144	146	142	0-90	392	99.9	75	6650	6885	4824				
	35	121	124	120	0-180	392	100.0	85	10709	10222	4520				
	45	94	99	93	Coefficients of Utilization										
	55	68	72	65	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)										
	65	46	49	40	pcc	80			70			50			
75	28	29	21	pw	70	50	30	70	50	30	50	30			
85	15	15	7	RCR											
				0	118	118	118	115	115	115	111	111			
				1	109	104	100	106	102	97	97	94			
				2	100	92	84	96	90	83	85	81			
				3	91	81	72	89	80	71	77	70			
				4	83	72	64	81	70	63	68	61			
				5	78	65	56	76	64	56	61	55			
				6	71	58	50	69	57	50	56	48			
				7	67	54	45	65	53	45	51	44			
				8	61	48	40	60	48	40	46	40			
				9	57	45	36	56	45	36	44	36			
				10	55	41	34	54	41	34	40	34			

LINCS LED 19" 3500K

LER – 87

Catalog No. LINCS100E-L19-935-UNV-WHG-DIM Test No. 35773 S/MH 1.2 Lamp Type LED Lumens 415 Input Watts 5 Comparative yearly lighting energy cost per 1000 lumens – \$2.76 based on 3000 hrs. and \$0.08 pwr KWH. The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candlepower				Light Distribution			Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross				
	0	176	176	176	0-30	131	31.5	45	8828	9051	8357				
	5	177	176	174	0-40	207	49.9	55	7957	8231	7196				
	15	169	170	167	0-60	338	81.4	65	7343	7586	6124				
	25	153	154	150	0-90	415	99.9	75	7517	7564	5128				
	35	130	132	126	0-180	415	100.0	85	12030	11335	4729				
	45	103	106	98	Coefficients of Utilization										
	55	75	78	68	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)										
	65	51	53	43	pcc	80			70			50			
75	32	32	22	pw	70	50	30	70	50	30	50	30			
85	17	16	7	RCR											
				0	118	118	118	115	115	115	111	111			
				1	109	104	100	106	102	97	97	94			
				2	100	92	84	96	90	83	85	81			
				3	91	81	72	89	80	71	77	69			
				4	83	71	64	81	70	63	68	61			
				5	78	65	56	75	64	56	61	55			
				6	71	58	50	69	57	50	56	48			
				7	67	54	45	65	53	45	51	44			
				8	61	48	40	60	47	40	46	40			
				9	57	45	36	56	45	36	44	36			
				10	55	41	34	54	40	34	40	34			

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

LINCS LED 28" 3000K

LER – 81

Catalog No.	L28-930-UNV-WHG-DIM	Candlepower				Light Distribution			Average Luminance					
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross		
Test No.	35774	0	252	252	252	0-30	188	31.9	45	7948	8377	7908		
S/MH	1.2	5	253	252	249	0-40	297	50.4	55	6988	7516	6833		
Lamp Type	LED	15	239	241	238	0-60	482	81.9	65	6320	6798	5765		
Lumens	588	25	214	218	213	0-90	588	99.9	75	6323	6604	4746		
Input Watts	7	35	180	184	179	0-180	588	100.0	85	9596	9411	4080		
		45	139	147	138	Coefficients of Utilization								
		55	99	107	97	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
		65	66	71	60	pcc	80			70			50	
		75	41	42	30	pw	70	50	30	70	50	30	50	30
		85	21	20	9	RCR								
						0	118	118	118	115	115	115	111	111
						1	109	104	100	106	102	97	97	94
						2	100	92	84	96	90	83	85	81
						3	91	81	73	89	80	72	77	70
						4	83	72	64	81	70	63	68	61
						5	78	65	56	76	64	56	61	55
						6	71	58	51	69	57	50	56	48
						7	67	54	45	65	53	45	52	44
						8	63	48	40	60	48	40	46	40
						9	58	46	38	56	45	36	44	36
						10	55	41	34	54	41	34	40	34

Comparative yearly lighting energy cost per 1000 lumens – **\$2.96** based on 3000 hrs. and **\$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

LINCS LED 28" 3500K

LER – 88

Catalog No.	L28-935-UNV-WHG-DIM	Candlepower				Light Distribution			Average Luminance					
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross		
Test No.	35775	0	269	269	269	0-30	200	31.9	45	8588	9045	8440		
S/MH	1.2	5	270	269	266	0-40	316	50.4	55	7516	8172	7284		
Lamp Type	LED	15	257	258	254	0-60	514	81.9	65	6817	7400	6157		
Lumens	627	25	231	234	228	0-90	626	99.9	75	6947	7290	5058		
Input Watts	7	35	194	199	191	0-180	627	100.0	85	11034	10663	4358		
		45	150	158	148	Coefficients of Utilization								
		55	107	116	103	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)								
		65	71	77	64	pcc	80			70			50	
		75	45	47	32	pw	70	50	30	70	50	30	50	30
		85	24	23	9	RCR								
						0	118	118	118	115	115	115	111	111
						1	109	104	100	106	102	97	97	94
						2	100	92	84	96	90	83	85	81
						3	92	81	73	89	80	72	77	70
						4	83	72	64	81	70	63	68	61
						5	78	65	56	76	64	56	61	55
						6	71	58	51	69	57	50	56	48
						7	67	54	45	65	53	45	52	44
						8	63	48	40	60	48	40	46	40
						9	58	46	38	56	45	36	44	36
						10	55	41	34	54	41	34	40	34

Comparative yearly lighting energy cost per 1000 lumens – **\$2.73** based on 3000 hrs. and **\$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

