

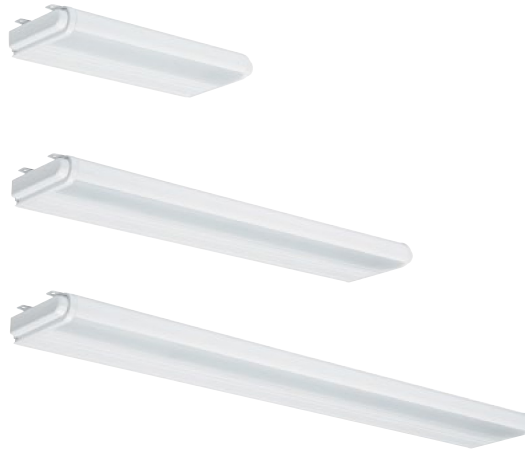
# Day-Brite CFI

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

### Accessories (order separately)

QTY: <input type="text"/>	<b>LINCS1001</b> <sup>6</sup>	Wiring module
QTY: <input type="text"/>	<b>LINCS1001RSW</b> <sup>6</sup>	Wiring module with rocker switch
QTY: <input type="text"/>	<b>LINCS1002CO</b> <sup>2,6</sup>	Wiring module with duplex outlet
QTY: <input type="text"/>	<b>LINCS100PC3W</b>	3' Straight power cord, white
QTY: <input type="text"/>	<b>LINCS100PC6W</b>	6' Straight power cord, white
QTY: <input type="text"/>	<b>LINCS100ICSW</b>	6" Straight interconnect cord, white
Note: Power cords plug into left end of the luminaires.		

Specify Qty. of Connectors Needed

### 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

10", 19", or 28" lengths

## 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

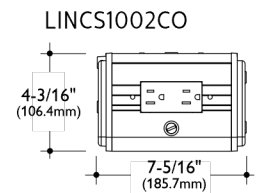
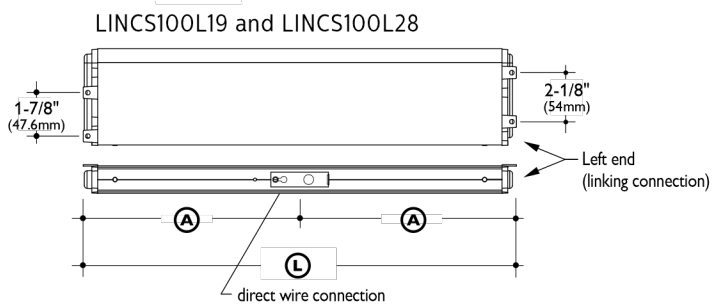
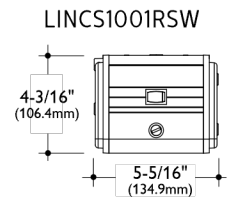
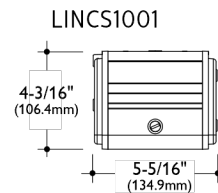
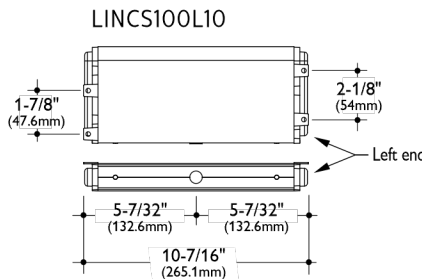
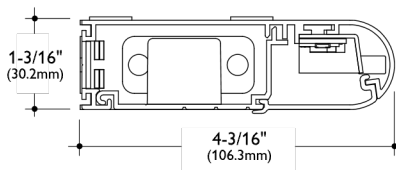
## Specifications

- **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](http://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)

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## Controls

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

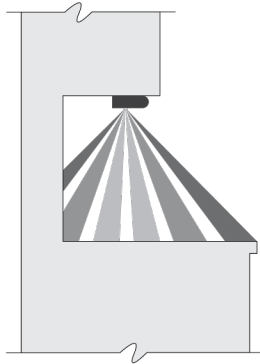
The integrated device controls only this single fixture.

### 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

10", 19", or 28" lengths

## Photometry

### LINCS LED 10" 3000K

LER - 73

<b>Catalog No.</b> LINCS100E-L10-930-UNV-WHG-DIM <b>Test No.</b> 35770 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 184 <b>Input Watts</b> 3  Comparative yearly lighting energy cost per 1000 lumens - <b>\$3.29</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>			
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>
	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	<b>Coefficients of Utilization</b>						
	55	31	34	30	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>						
	65	21	22	18	pcc						
75	13	13	10	pw							
85	7	7	4	RCR							

### LINCS LED 10" 3500K

LER - 79

<b>Catalog No.</b> LINCS100E-L10-935-UNV-WHG-DIM <b>Test No.</b> 35771 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 196 <b>Input Watts</b> 3  Comparative yearly lighting energy cost per 1000 lumens - <b>\$3.04</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>			
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>
	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	<b>Coefficients of Utilization</b>						
	55	34	36	32	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>						
	65	23	24	20	pcc						
75	14	15	10	pw							
85	7	7	4	RCR							

# LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

LINCS LED 19" 3000K					LER – 78								
<b>Catalog No.</b> LINCS100E-L19-930-UNV-WHG-DIM <b>Test No.</b> 35772 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 392 <b>Input Watts</b> 5  Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.08</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>					
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>		
	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	<b>Coefficients of Utilization</b>								
	55	68	72	65	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>								
	65	46	49	40	pcc	80			70			50	
75	28	29	21	pwr	70	50	30	70	50	30	50	30	
85	15	15	7	<b>RCR</b>									
				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								
<b>Catalog No.</b> LINCS100E-L19-935-UNV-WHG-DIM <b>Test No.</b> 35773 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 415 <b>Input Watts</b> 5  Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.76</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>					
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>		
	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	<b>Coefficients of Utilization</b>								
	55	75	78	68	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>								
	65	51	53	43	pcc	80			70			50	
75	32	32	22	pwr	70	50	30	70	50	30	50	30	
85	17	16	7	<b>RCR</b>									
				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							
<b>Catalog No.</b> LINCS100E-L28-930-UNV-WHG-DIM <b>Test No.</b> 35774 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 588 <b>Input Watts</b> 7  Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.96</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>				
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>	
	0	252	252	252	0-30	188	31.9	45	7948	8377	7908	
	5	253	252	249	0-40	297	50.4	55	6988	7516	6833	
	15	239	241	238	0-60	482	81.9	65	6320	6798	5765	
	25	214	218	213	0-90	588	99.9	75	6323	6604	4746	
	35	180	184	179	0-180	588	100.0	85	9596	9411	4080	
	45	139	147	138								
	55	99	107	97								
	65	66	71	60								
75	41	42	30									
85	21	20	9									
					<b>Coefficients of Utilization</b>							
					<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>							
					pcc		70		50			
					pw		70 50 30		50 30			
					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	

LINCS LED 28" 3500K					LER – 88							
<b>Catalog No.</b> LINCS100E-L28-935-UNV-WHG-DIM <b>Test No.</b> 35775 <b>S/MH</b> 1.2 <b>Lamp Type</b> LED <b>Lumens</b> 627 <b>Input Watts</b> 7  Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.73</b> based on 3000 hrs. and <b>\$.08</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>			<b>Average Luminance</b>				
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45°</b>	<b>Cross</b>	
	0	269	269	269	0-30	200	31.9	45	8588	9045	8440	
	5	270	269	266	0-40	316	50.4	55	7516	8172	7284	
	15	257	258	254	0-60	514	81.9	65	6817	7400	6157	
	25	231	234	228	0-90	626	99.9	75	6947	7290	5058	
	35	194	199	191	0-180	627	100.0	85	11034	10663	4358	
	45	150	158	148								
	55	107	116	103								
	65	71	77	64								
75	45	47	32									
85	24	23	9									
					<b>Coefficients of Utilization</b>							
					<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>							
					pcc		70		50			
					pw		70 50 30		50 30			
					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	

