

Day-Brite CFI

by  Signify

Linear

LINCS
1" modular task light

T5 or T5HO



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

Day-Brite / CFI Little Inch connecting system (LINCS) sets the standard for flexible, inconspicuous task lighting. LINCS unique labor-saving plug-together design affords premium quality at a low installed cost. The attractive extruded aluminum design dissipates heat, is durable, lightweight and corrosion resistant. Integral Occupancy Sensor available to reduce energy consumption. The wide variety of finishes and wiring options make LINCS a great choice for both residential and commercial applications.

Ordering guide

Example: **LINCS100FS35120WHGOSC**

Family	Length	Voltage	Finish	Options
LINCS100				
LINCS100	<p><u>T5 Lamps</u> FS23 (1) F14 T5 (Med. Bipin), 23-7/8" nominal length FS35 (1) F21 T5 (Med. Bipin), 35-11/16" nominal length FS46 (1) F28 T5 (Med. Bipin), 47-1/2" nominal length FS58 (1) F35 T5 (Med. Bipin), 59-5/16" nominal length</p> <p><u>T5HO Lamps</u> HO23 (1) F24 T5HO (Med. Bipin), 23-7/8" nominal length HO35 (1) F39 T5HO (Med. Bipin), 35-11/16" nominal length HO46 (1) F54 T5HO (Med. Bipin), 47-1/2" nominal length</p> <p><u>Preheat T5 Lamps</u> F12 (1) F8 T5 (Med. Bipin), 13-5/8" nominal length F21 (1) F13 T5 (Med. Bipin), 22-5/8" nominal length F24 (2) F8 T5 (Med. Bipin), 25-13/16" nominal length F33 (1) F8 T5 (Med. Bipin), 34-13/16" nominal length (1) F13 T5 (Med. Bipin) F42 (2) F13 T5 (Med. Bipin), 43-13/16" nominal length</p>	<p>120 120V 277 277V</p>	<p>WHG White Glossy MB Matte Black SA Satin Aluminum</p>	<p>CSJT3² SJT cordset hard-wired into back of fixture. UL listed as a portable fixture for use in office workstations (120 volt only) DIM1^{3,4} Dimming ballast for use with analog 0-10 volt fluorescent dimming control (120 and 277 volt) OF Opaque front task lens WL White opal diffuser OSC^{5,9} Integral occupancy sensor control for 120V linking or 277V direct wire RSW⁶ Rocker switch (on/off) SBF Slow blow fuse.</p>

Accessories (order separately)

QTY: _____	LINCS1001?	Wiring module
QTY: _____	LINCS1001RSW?	Wiring module with rocker switch
QTY: _____	LINCS1002CO?	Wiring module with duplex outlet (120 volt only)
QTY: _____	LINCS100PC3W?	3' Straight power cord, white
QTY: _____	LINCS100PC6W?	6' Straight power cord, white
QTY: _____	LINCS100ICSW?	6" Straight interconnect cord, white
QTY: _____	LINCS100MSBRK	Mounting brackets for attachment to metal shelves (2 brackets)
Note: Power cords plug into left end of the fixtures.		

Notes

- 277 volt not available with T5 preheat lamps.
- LINCS fixtures with CSJT3 option can not be modularly connected.
- Dimming control supplied by others.
- Dimming available for models: LINCS100FS35, FS46, FS58 and LINCS100HO46.
- OSC is not available with LINCS100F12.
- Switch controls individual fixture.
- Specify voltage and finish for these accessories. Include voltage and finish codes from catalog matrix after "1" or "2", i.e. LINCS100120WHGRSW
- 120V only.
- Integral occupancy sensor control for 120V linking or 277V direct wire.



LINCS100 1" modular task light

T5 or T5HO

Features

- Miniature 1" deep profile
- LINCS can be installed up to 4 times faster than conventional undercabinet task luminaires.
- Optional integral occupancy sensor automatically switches LINCS on when the task area is occupied and off when vacant, helping to maximize energy savings.
- Optional wiring module with master On/Off switch or duplex convenience outlet.
- Backed by a limited Lifetime Warranty.

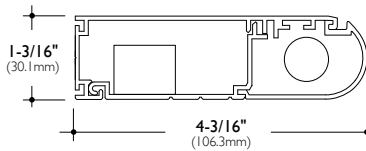
Specifications

- **Construction:** .060" extruded aluminum housing with injection molded polycarbonate endcaps and covers.
- **Reflector and Lens:** All LINCS lenses are extruded DR acrylic and are warranted against breakage or discoloration. The linear prism lens is standard. A white opal lens (WL) or an opaque front task lens (OF) is optional.

- **Finish:** LINCS is available in a white or black polyester powder coat paint finish or an anodized satin aluminum finish. White models have white endcaps. Black and satin aluminum models have black endcaps.
- **Lamps:** LINCS is available with T5, T5HO or preheat T5 lamps. The T5/T5HO lamps have an average lamp life of 20,000 hours and are supplied with 3000K color temperature. 3500K (35K) and 4100K (41K) lamps are optional. The preheat T5 lamps have an average lamp life of 7,500 hours and are supplied with a warm white 3000K lamp. Optional 4100K (41K) cool white lamp available.
- **Listings:** cULus Listed for both direct-wired and portable installations. Damp rated.
- **Electrical:** The T5/T5HO models utilize an electronic ballast for 120 or 277 volt applications. The preheat T5 models have an electronic instant start Class "A" ballast for 120 volt applications only. Standard ballasts are thermally protected, Class "A". 347 volt not available. Optional passive infrared occupancy sensor control (OSC) available.

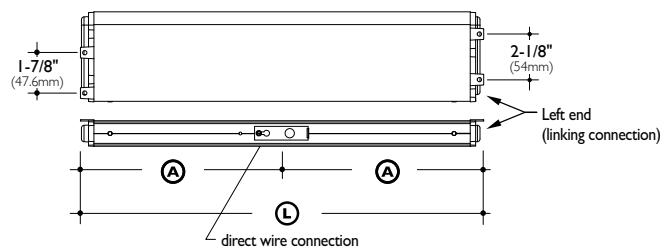
- **Installation:** LINCS includes male and female grounded connectors on each end to allow power conductivity with linking connector accessories (120V only). 277V must be hard wired. A UL recognized 3/8" flexible metal conduit/non-metallic sheathed wiring connector is supplied for direct-wiring the power into back of housing or through adapter plate at the left end. All models (except for LINCS100F12) have a wiring access panel with a knockout to allow quick wiring without opening the wireway cover. The power cords plug directly into the left end of the fixtures and provide an alternative method for wiring. It is not recommended that LINCS be plugged into a GFCI receptacle.
- **Warranty:** All luminaire components, except for lamps and ballasts, are warranted against defects during the life of the original installation.

Dimensional Data

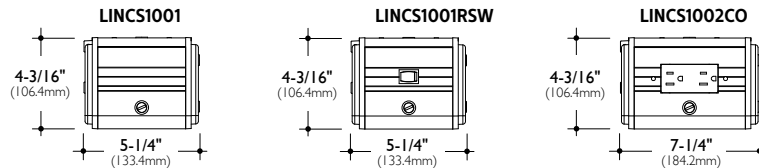


Installation Notes:

- (1) 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.



LINCS100F12 does not have wiring access panel.



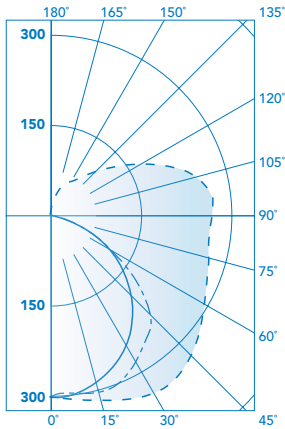
DIMENSION	L	A	DIMENSION	L	A
LINCS 100FS23 LINCS 100HO23	23-7/8" (606.4mm)	11-15/16" (303.2mm)	LINCS 100F12	13-5/8" (346.1mm)	N/A
LINCS 100FS35 LINCS 100HO35			35-11/16" (906.5mm)	17-7/8" (453.2mm)	LINCS 100F21
LINCS 100FS46 LINCS 100HO46	47-1/2" (1206.5mm)	23-3/4" (603.3mm)			LINCS 100F24
LINCS 100FS58			59-5/16" (1506.59mm)	29-11/16" (754.1mm)	LINCS 100F33
					LINCS 100F42

LINCS100 1" modular task light

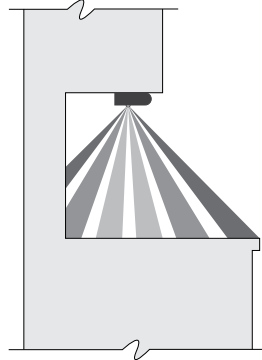
T5 or T5HO

LINCSFS35

(1) 21W T5 Fluorescent - miniature bi-pin base
4450 lumens per lamp
Report No.: ITL52771
Efficiency: 67.3%



LEGEND:
0-deg: - - - - -
45-deg: _____
90-deg:



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.

OSC option code is for 120V linking or 277V direct wire installation.

ELECTRICAL DATA - T5HO			
Lamp Wattage	24	39	54
Lamp Lumens*	1900	3325	4750
Input Watts	41	40	62
Max. Amps	.34	.34	.52
Power Factor	.98	.98	.96

ELECTRICAL DATA - T5				
Lamp Wattage	14	21	28	35
Lamp Lumens*	1275	2000	2750	3450
Input Watts	18	25	33	40
Max. Amps	.15	.21	.28	.34
Power Factor	.98	.98	.98	.98

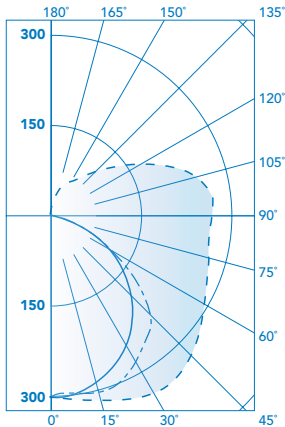
ELECTRICAL DATA - Preheat T5				
Lamp Wattage	8	13	8/13	(2)8 (2)13
Lamp Lumens*	300	655	955	600 1310
Input Watts	10	14	23	19 28
Max. Amps	.08	.12	.20	.16 .24
Power Factor	.97	.97	.97	.98 .97

*Based on design lumens.
Maximum of 6 total amps when row mounting.

Photometric Data

LINCSFS35

(1) 21W T5 Fluorescent - miniature bi-pin base
4450 lumens per lamp
Report No.: ITL52771
Efficiency: 67.3%



LEGEND:
0-deg: - - - - -
45-deg: _____
90-deg:

CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	77	77	77	77	73	73	73	73	67	67	67	61	61	61	56	56	56	53
	1	69	65	62	57	65	62	59	56	57	54	52	51	50	48	47	45	44	42
	2	62	56	51	47	59	53	49	45	49	45	42	44	41	39	40	38	36	34
	3	56	49	43	38	53	47	41	37	43	38	35	39	35	32	35	32	30	28
	4	51	43	37	32	49	41	35	31	38	33	29	34	30	27	31	28	25	24
	5	47	38	32	27	45	37	31	27	34	29	25	31	27	23	28	25	22	20
	6	43	34	28	24	41	33	27	23	30	25	22	28	24	20	25	22	19	17
	7	40	31	25	21	38	30	24	20	27	23	19	25	21	18	23	20	17	15
	8	37	28	22	18	35	27	22	18	25	20	17	23	19	16	21	18	15	14
	9	35	26	20	16	33	25	19	16	23	18	15	21	17	14	19	16	13	12
	10	32	23	18	15	31	23	18	14	21	17	14	19	16	13	18	15	12	11

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	304	304	304	304	304
5°	308	309	304	300	299
15°	321	310	290	297	307
25°	338	309	267	288	297
35°	344	302	232	258	267
45°	329	282	188	217	233
55°	305	243	139	161	157
65°	284	199	81	86	77
75°	270	171	29	31	28
85°	263	155	2	3	3
90°	265	152	0	0	0

ZONAL LUMEN SUMMARY

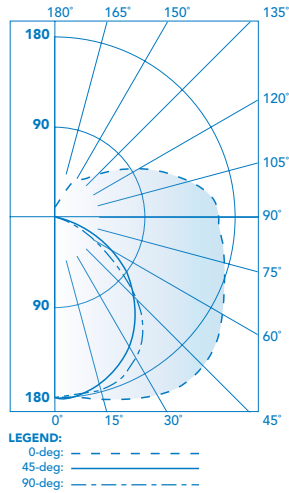
Zone	Lumens	% Lamp	% Fixt.
0-30	251	12.0	17.8
0-40	424	20.2	30.0
0-60	790	37.6	55.9
0-90	1115	53.1	78.9
90-120	198	9.4	14.0
90-130	236	11.2	16.7
90-150	280	13.3	19.8
90-180	298	14.2	21.1
0-180	1413	67.3	100.0

LINCS100 1" modular task light

T5 or T5HO

LINCSFS23

(1) 14W T5 Fluorescent -
miniature bi-pin base
1350 lumens per lamp
Report No.: ITL52770
Efficiency: 60.8%



CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50			30			10			0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR	0	69	69	69	69	66	66	66	66	60	60	60	55	55	55	50	50	50	48
	1	62	59	56	53	59	56	53	51	51	49	47	46	45	43	42	41	40	37
	2	56	51	46	42	53	48	44	41	44	41	38	40	37	35	36	34	32	30
	3	51	44	39	35	48	42	37	34	38	35	31	35	32	29	32	29	27	25
	4	46	39	33	29	44	37	32	28	34	30	26	31	28	25	28	25	23	21
	5	43	35	29	25	40	33	28	24	30	26	23	28	24	21	25	22	20	18
	6	39	31	25	21	37	30	25	21	27	23	20	25	21	18	23	20	17	16
	7	36	28	23	19	34	27	22	18	25	20	17	23	19	16	21	18	15	14
	8	34	25	20	17	32	24	20	16	22	18	15	21	17	14	19	16	14	12
	9	31	23	18	15	30	22	18	14	21	17	14	19	15	13	18	14	12	11
	10	29	21	16	13	28	20	16	13	19	15	12	18	14	12	16	13	11	10

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	180	180	180	180	180
5°	180	182	181	179	178
15°	188	182	172	174	178
25°	198	181	158	165	169
35°	209	177	137	146	151
45°	210	169	111	119	113
55°	200	152	80	75	64
65°	186	128	46	34	27
75°	174	109	15	10	7
85°	165	95	0	0	0
90°	163	92	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	147	10.9	17.9
0-40	248	18.4	30.2
0-60	456	33.8	55.6
0-90	647	47.9	78.8
90-120	114	8.4	13.9
90-130	136	10.1	16.5
90-150	163	12.1	19.9
90-180	174	12.9	21.2
0-180	821	60.8	100.0



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

