

FEATURES & SPECIFICATIONS

INTENDED USE

Provides task or accent lighting in commercial, retail, hospitality and residential applications. Ideal for use under and over cabinets, display cases, task lighting, office lighting, coves and utility/work areas.

CONSTRUCTION

Low profile design, with on/off rocker switch. Can be direct wired or powered by 5' cord-and-plug (not included, see accessories). Connect up to 354 watts of fixtures with 13" connector cord or 7/8" end row connector (Included).

Rugged post-painted low-profile steel housing with white finish. Acrylic white diffuser provides soft widespread illumination with zip-lock design for easy installation, cleaning, and superior retention.

ELECTRICAL

Long-life LEDs, coupled with a high-efficiency driver, provide extended service life. Fixture is rated to deliver L70 performance at 50,000 hours and operates at 120 volts, 60Hz. Minimum starting temp -20F. Can direct-wire through rear access plate/knockout by utilizing the included Romex connector or by utilizing the optional UCD JB Junction/Splice box (sold separately).

Works with most standard incandescent dimmers (see list of approved dimmers).

INSTALLATION

All mounting hardware included.

LISTINGS

UL listed to US and Canadian safety standards. ENERGY STAR® certified product (3000K and 4000K only) and Title 24 qualified. Listed for damp locations.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

SPECIFICATIONS	1'	2'	3'	4'
Lumens (3000K):	388	742	1162	1603
Watts (3000K):	5.8	10.2	14.8	19.5
Lumens per watt:	67	73	79	82
Length:	12 (30.5)	24 (61)	36 (91.4)	48 (121.9)
Width:	2.83 (7.2)	2.83 (7.2)	2.83 (7.2)	2.83 (7.2)
Height:	1.03 (2.6)	1.03 (2.6)	1.03 (2.6)	1.03 (2.6)
Weight:	1 (.45)	1.5 (.7)	2.3 (1)	3 (1.4)

All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

Catalog Number
Notes
Type

Indoor General Purpose

UCEL LED Linkable Cabinet Light

Linkable



3000K and 4000K only

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: UCEL 12IN 30K 90CRI SWR WH

Series	Length	Color temperature	CRI	Options	Finish
UCEL Economy LED Undercabinet	12IN 1' Nominal	40K 4000K ^{1,4}	90CRI >90	SWR On/off Rocker Switch	WH White
	24IN 2' Nominal	35K 3500K ^{2,3}			
	36IN 3' Nominal	30K 3000K			
	48IN 4' Nominal	27K 2700K ²			

Accessories: Order as separate catalog number.

UC SFT POWERCORD WH	White 5' cord and plug
UCD JB	White Junction/Splice box - allows for quick and easy direct wiring (UC ERC24 also required for splice box to first fixture)
UC ERC	White 7/8" row connector for end-to-end connections (1 included with each fixture)
UC ERC24	White 24" connector cord for longer length connections between fixtures or splice box (required for splice box to first fixture)

Notes

- 60-day lead time for non-stock color temperatures; minimum 50 order quantity.
- 90-day lead time for non-standard color temperatures; minimum 50 order quantity.
- UCEL 24IN stocked at 09 in 35K.
- UCEL 24IN, 36IN, 48IN stocked at 09 in 40K.

UCEL LED Cabinet Light

PHOTOMETRIC DIAGRAMS

Photometry derived in accordance with IESNA LM41 procedure. Vertical and horizontal illuminance is calculated with fixture mounted 17" from work surface. Full photometric data report available within 2 weeks from request. Consult factory.

Report ISF 30163 UCCEL 121N

Initial Point Illuminance on wall and horizontal work surface. (fc)

X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	1	2	5	11	21	26	21	11	6	2	Avg.=10 fc Max.=29 fc; Min.=1 fc Max. to min. ratio =29
	2	3	7	15	25	29	25	16	7	3	
	3	4	7	12	18	21	18	12	7	4	
Horizontal	4	6	10	18	27	31	27	18	10	6	Avg.=10 fc Max.=43 fc; Min.=1 fc Max. to min. ratio =43
	5	6	13	24	37	43	37	24	13	6	
	6	6	11	21	33	38	33	21	11	6	
	7	4	7	12	17	19	17	12	7	4	
	8	2	4	5	7	8	7	5	4	2	
	9	1	2	2	3	3	3	2	2	1	

Report ISF 30163 UCCEL 241N

Initial Point Illuminance on wall and horizontal work surface. (fc)

X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	1	4	9	22	41	49	41	22	9	4	Avg.=20 fc Max.=56 fc; Min.=2 fc Max. to min. ratio =28
	2	6	13	28	48	56	48	28	13	6	
	3	7	13	23	35	40	35	23	13	7	
Horizontal	4	11	20	35	52	59	52	35	20	11	Avg.=18 fc Max.=83 fc; Min.=1 fc Max. to min. ratio =83
	5	12	24	46	71	83	71	46	24	12	
	6	11	22	41	63	73	63	41	22	11	
	7	7	13	22	32	36	32	22	13	7	
	8	4	7	10	13	15	13	10	7	4	
	9	2	4	5	6	6	6	5	4	2	

Report ISF 30163 UCCEL 361N

Initial Point Illuminance on wall and horizontal work surface. (fc)

X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	6	14	34	64	77	64	34	14	7	1	Avg.=32 fc Max.=88 fc; Min.=4 fc Max. to min. ratio =22
	10	21	44	75	83	75	44	21	10	1	
	11	20	37	55	62	55	37	20	11	2	
Horizontal	17	31	55	82	92	82	55	31	17	3	Avg.=29 fc Max.=130 fc; Min.=2 fc Max. to min. ratio =65
	19	38	72	112	130	112	72	38	19	3	
	17	34	99	114	99	114	99	34	17	3	
	11	21	35	50	57	50	35	21	11	3	
	7	11	16	21	23	21	16	11	7	2	
	4	6	7	9	10	9	7	6	4	1	

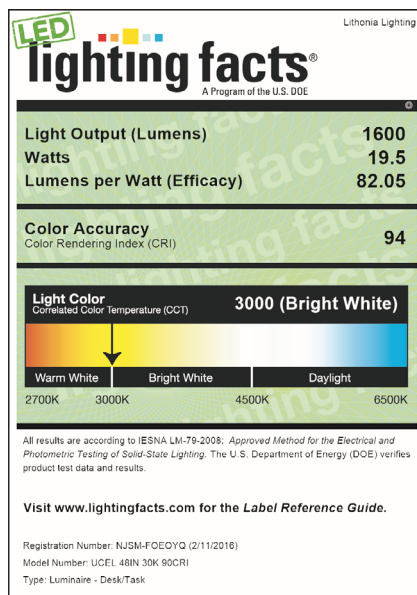
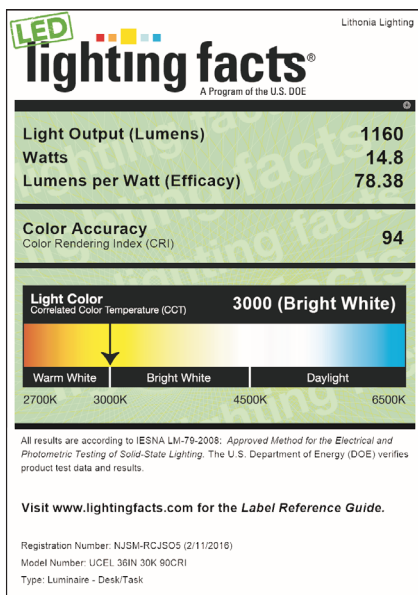
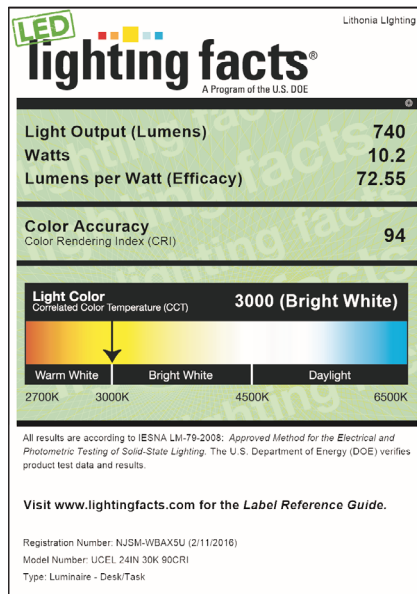
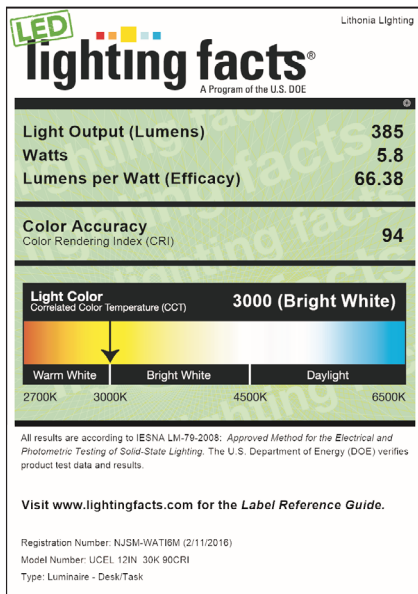
Report ISF 30163 UCCEL 481N

Initial Point Illuminance on wall and horizontal work surface. (fc)

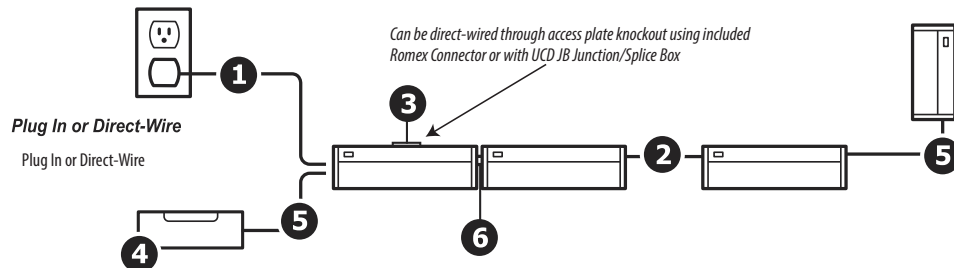
X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	1	9	19	47	88	106	88	47	19	9	Avg.=43 fc Max.=122 fc; Min.=5 fc Max. to min. ratio =22.4
	2	14	29	61	103	122	103	61	29	14	
	3	15	28	51	75	86	75	51	28	15	
Horizontal	4	23	42	70	112	127	112	70	42	23	Avg.=40 fc Max.=179 fc; Min.=2 fc Max. to min. ratio =89.5
	5	26	52	100	154	179	154	100	52	26	
	6	24	47	89	136	157	136	89	47	24	
	7	16	29	48	69	78	69	48	29	16	
	8	9	15	22	29	32	29	22	15	9	
	9	5	8	10	12	13	12	10	8	5	

LIGHTING FACTS



Installation



Included



13' Connector Cord



Romex® Connector
(accepts MC Cable
up to 5/8")



Mounting Screws



Model # UC ERC BL

Row Connector
(fixture to fixture -
7/8" spacing)

Accessories

sold separately



Model # UC 5FT POWERCORD WH
UC 5FT POWERCORD BL

5' Cord/Plug



Model # UCD JB
UCD JB BL

Junction/Splice Box
(for direct-wiring to first
fixture with included 13"
Connector cord or
optional 24" Connector
cord) *all ci codes*



Model # UC ERC24
UC ERC24 BL

24' Connector Cord
(splice box to fixture
or fixture to fixture)
(splice box to first
fixture or for extended
lengths between
fixtures) *all ci codes*

COMPATIBLE DIMMERS

The UCEL is designed to operate with most standard Triac Based dimmers and is not compatible with 0-10v dimming systems. The following is a list of dimmers tested and does not imply any guarantee or warranty of compatibility with a particular application. Unlisted dimmers do not imply non-compatibility.

Manufacturer	Part number(s)
Lutron	Diva DVELV-300P (ELV) Skylark SELV-300P (ELV) Diva DV-600P (Triac) Nova NTELV-300V (ELV)
Leviton	SureSlide 6633-PA (Triac) SureSlide 6615-P (ELV)
Pass & Seymour	HCL453PTCCV6 (triac)
Synergy	ISD 600 I 120
SensorSwitch	nLight1 nSP5 PCD 2W nLight3 nSP5 PCD ELV 120

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UCEL LED Cabinet Light

PHOTOMETRIC DIAGRAMS

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	X	A	B	C	D	E	F	G	H	I	
Vertical	1	2	5	11	21	26	21	11	6	2	Avg.=10 fc Max.=29 fc; Min.=1 fc Max. to min. ratio =29
	2	3	7	15	25	29	25	16	7	3	
	3	4	7	12	18	21	18	12	7	4	
Horizontal	4	6	10	18	27	31	27	18	10	6	Avg.=10 fc Max.=43 fc; Min.=1 fc Max. to min. ratio =43
	5	6	13	24	37	43	37	24	13	6	
	6	6	11	21	33	38	33	21	11	6	
	7	4	7	12	17	19	17	12	7	4	
	8	2	4	5	7	8	7	5	4	2	
	9	1	2	2	3	3	3	2	2	1	

Report ISF 30163 UCCEL 241N

Initial Point Illuminance on wall and horizontal work surface. (fc)

X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	1	4	9	22	41	49	41	22	9	4	Avg.=20 fc Max.=56 fc; Min.=2 fc Max. to min. ratio =28
	2	6	13	28	48	56	48	28	13	6	
	3	7	13	23	35	40	35	23	13	7	
Horizontal	4	11	20	35	52	59	52	35	20	11	Avg.=18 fc Max.=83 fc; Min.=1 fc Max. to min. ratio =83
	5	12	24	46	71	83	71	46	24	12	
	6	11	22	41	63	73	63	41	22	11	
	7	7	13	22	32	36	32	22	13	7	
	8	4	7	10	13	15	13	10	7	4	
	9	2	4	5	6	6	6	5	4	2	

Report ISF 30163 UCCEL 361N

Initial Point Illuminance on wall and horizontal work surface. (fc)

X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	6	14	34	64	77	64	34	14	7	1	Avg.=32 fc Max.=88 fc; Min.=4 fc Max. to min. ratio =22
	10	21	44	75	83	75	44	21	10	1	
	11	20	37	55	62	55	37	20	11	2	
Horizontal	17	31	55	82	92	82	55	31	17	3	Avg.=29 fc Max.=130 fc; Min.=2 fc Max. to min. ratio =65
	19	38	72	112	130	112	72	38	19	3	
	17	34	99	114	99	114	99	34	17	3	
	11	21	35	50	57	50	35	21	11	3	
	7	11	16	21	23	21	16	11	7	2	
	4	6	7	9	10	9	7	6	4	1	

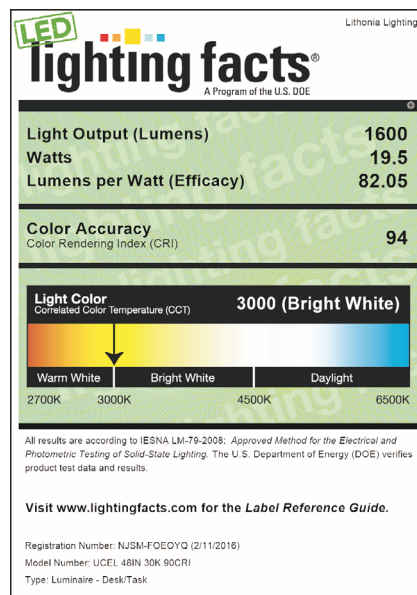
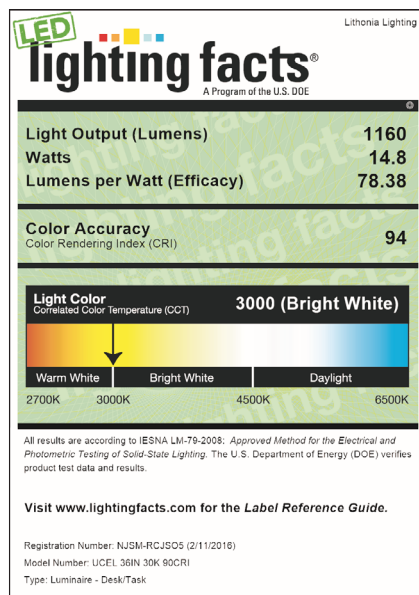
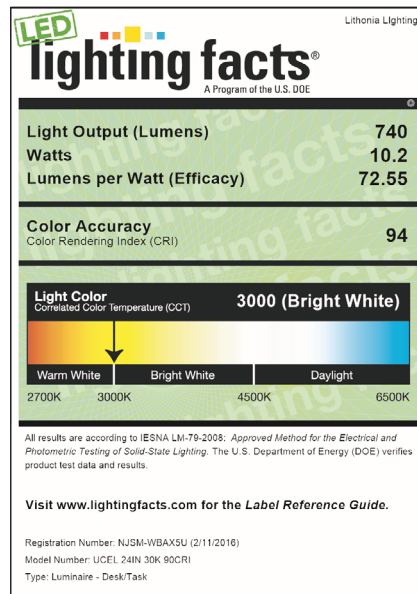
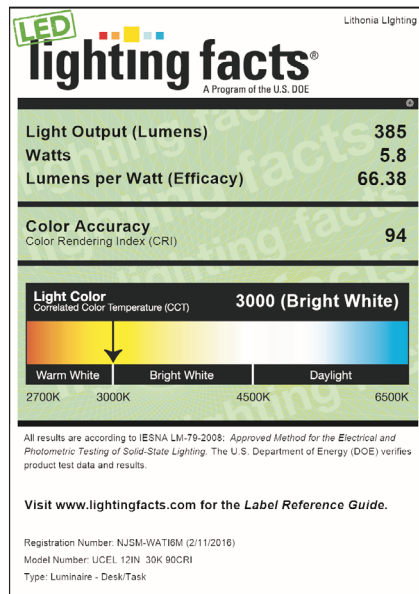
Report ISF 30163 UCCEL 481N

Initial Point Illuminance on wall and horizontal work surface. (fc)

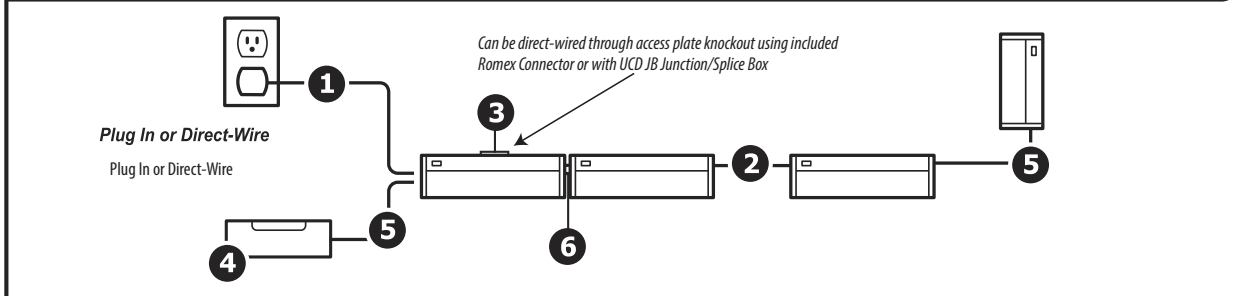
X and Y coordinates are on 6" centers.

	X	A	B	C	D	E	F	G	H	I	
Vertical	1	9	19	47	88	106	88	47	19	9	Avg.=43 fc Max.=122 fc; Min.=5 fc Max. to min. ratio =22.4
	2	14	29	61	103	122	103	61	29	14	
	3	15	28	51	75	86	75	51	28	15	
Horizontal	4	23	42	70	112	127	112	70	42	23	Avg.=40 fc Max.=179 fc; Min.=2 fc Max. to min. ratio =89.5
	5	26	52	100	154	179	154	100	52	26	
	6	24	47	89	136	157	136	89	47	24	
	7	16	29	48	69	78	69	48	29	16	
	8	9	15	22	29	32	29	22	15	9	
	9	5	8	10	12	13	12	10	8	5	

LIGHTING FACTS



Installation



Included



13" Connector Cord



Romex® Connector (accepts MC Cable up to 5/8")



Mounting Screws



Row Connector (fixture to fixture - 7/8" spacing)

Model # UC ERC BL

Accessories



5' Cord/Plug

Model # UC 5FT POWERCORD WH UC 5FT POWERCORD BL



Junction/Splice Box (for direct-wiring to first fixture with included 13" Connector cord or optional 24" Connector cord) *all ci codes*

Model # UCD JB UCD JB BL



24" Connector Cord (splice box to fixture or fixture to fixture) (splice box to first fixture or for extended lengths between fixtures) *all ci codes*

Model # UC ERC24 UC ERC24 BL

COMPATIBLE DIMMERS

The UCEL is designed to operate with most standard Triac Based dimmers and is not compatible with 0-10v dimming systems. The following is a list of dimmers tested and does not imply any guarantee or warranty of compatibility with a particular application. Unlisted dimmers do not imply non-compatibility.

Manufacturer	Part number(s)
Lutron	Diva DVELV-300P (ELV)
	SkyLark SELV-300P (ELV)
	Diva DV-600P (Triac)
	Nova NTELV-300V (ELV)
Leviton	SureSlide 6633-PA (Triac)
	SureSlide 6615-P (ELV)
Pass & Seymour	HCL453PTCCV6 (triac)
Synergy	ISD 600 I 120
SensorSwitch	nLight1 nSP5 PCD 2W
	nLight3 nSP5 PCD ELV 120