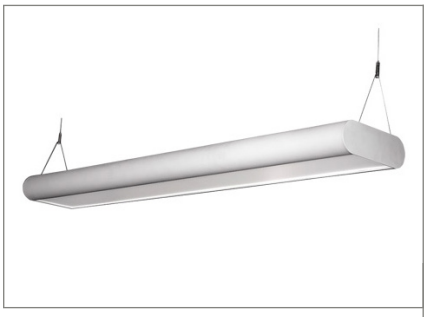
CURVA LED

Project Name:	
Type:	



APPLICATION

Architectural indoor, direct/indirect suspended light for LED system and fluorescent lamps. Reflected from the ceiling it creates soft and diffused lighting that ensures maximum visual comfort and balanced shadows. It can be installed individually or in a continuous line. Use for general office, banking, retail and educational environments.

FEATURES:

- 4’ or 8’ fixture sections for nominal suspension spacing of 4’ or 8’. Using 4’ or 8’ sections can be joined to form longer length fixtures.
- Extruded Aluminum Housing. (9”wide x 3”deep)
- Textured matte white polyester powder paint.
- Up light and down light distribution available. (Customized distribution available)
- Die cast aluminum flat end caps.

SHIELDING:

- Premium smooth white acrylic diffuser.

MOUNTING:

- Suspended mounting provided with adjustable aircraft suspension system.

LED:

- Samsung LEDs available in 2700/3000/3500/ 4000/5000K color temperature.
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).
- Custom wattage and lumen available upon request.
- CRI 80+

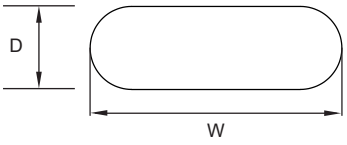
ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Dimming Control: 0-10V dim 1% (std.), 1~100%, Bi-level step dim.
- Power Factor: +0.9
- Efficiency: +85%
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).
- Constant Current, Class 2.

- <ELCU-200>
- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- “Watchdog” feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- ARRA compliant (optional).
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- 7 or 10 years limited warranty. (optional) [4]
- Bluetooth Mesh System available, please contact factory for more information.



Specifications: CURVA LED

Length: 48 (1220), 96 (2438)
Width: 9 (229)
Depth: 3 (76)

All dimensions are in inches (millimeters).



Lutron Vive Integral fixture control installation

UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

CURVA LED

CONFIGURATIONS

	AC Input	Downlight Lumen	Uplight Lumen	Total Lumen	Lumen Efficiency
CURVA-R4-36L-D	36.8W	4724.38 lm	0 lm	4724.38 lm	128.38 lm/W
CURVA-R4-36L-DI	32.06W	3740.79 lm	375.07 lm	4115.86 lm	
CURVA-R4-36L-DI25	39.6W	1270.96 lm	3812.89 lm	5083.85 lm	
CURVA-R4-36L-DI75	39.6W	3812.89 lm	1270.96 lm	5083.85 lm	
CURVA-R4-36L-I	43.84W	2539 lm	2289 lm	4828 lm	110.12 lm/W
CURVA-R4-54L-D	54.8W	7035.22 lm	0 lm	7035.22 lm	128.38 lm/W
CURVA-R4-54L-DI	50.06W	5840 lm	586.7 lm	6426.7 lm	
CURVA-R4-54L-DI25	59.4W	1906.44 lm	5719.33 lm	7625.77 lm	
CURVA-R4-54L-DI75	59.4W	5719.33 lm	1906.44 lm	7625.77 lm	
CURVA-R4-54L-I	61.84W	3582 lm	3230 lm	6812 lm	110.15 lm/W
CURVA-R4-81L-D	81.8W	10501.48 lm	0 lm	10501.48 lm	128.38 lm/W
CURVA-R4-81L-DI	77.06W	8990.89 lm	902.07 lm	9892.96 lm	
CURVA-R4-81L-DI25	89.1W	2859.66 lm	8578.99 lm	11438.66 lm	
CURVA-R4-81L-DI75	89.1W	8578.99 lm	2859.66 lm	11438.66 lm	
CURVA-R4-81L-I	88.84W	5144 lm	4640 lm	9784 lm	110.13 lm/W
CURVA-R8-36L-D	73.6W	9448.77 lm	0 lm	9448.77 lm	128.38 lm/W
CURVA-R8-36L-DI	64.12W	7481.58 lm	750.15 lm	8231.73 lm	
CURVA-R8-36L-DI25	79.2W	2541.92 lm	7625.77 lm	10167.7 lm	
CURVA-R8-36L-DI75	79.2W	7625.77 lm	2541.92 lm	10167.7 lm	
CURVA-R8-36L-I	87.68W	5078 lm	4578 lm	9656 lm	110.12 lm/W
CURVA-R8-54L-D	109.6W	14070.45 lm	0 lm	14070.45 lm	128.38 lm/W
CURVA-R8-54L-DI	100.12W	11680.01 lm	1173.4 lm	12853.41 lm	
CURVA-R8-54L-DI25	118.8W	3812.89 lm	11438.66 lm	15251.54 lm	
CURVA-R8-54L-DI75	118.8W	11438.66 lm	3812.89 lm	15251.54 lm	
CURVA-R8-54L-I	123.68W	7164 lm	6460 lm	13624 lm	110.15 lm/W
CURVA-R8-81L-D	163.6W	21002.97 lm	0 lm	21002.97 lm	128.38 lm/W
CURVA-R8-81L-DI	154.12W	17981.78 lm	1804.14 lm	19785.93 lm	
CURVA-R8-81L-DI25	178.2W	5719.33 lm	17157.99 lm	22877.32 lm	
CURVA-R8-81L-DI75	178.2W	17157.99 lm	5719.33 lm	22877.32 lm	
CURVA-R8-81L-I	177.68W	10288 lm	9280 lm	19568 lm	110.13 lm/W

UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

CURVA LED

ORDERING INFORMATION

EXAMPLE: *CURVA-R4-36L-D-40K-UNV-X1-AC48*

MODEL	ROW		SECTION [1]		LED (per /4ft section)		DISTRIBUTION		Uplight DISTRIBUTION	
CURVA	xx	Increments Total Row Lengths	R4	4' Length	36L	36W LED (724 lm/ft)	DI	90% Direct/10% Indirect	(Blank)	No optic
			R8	8' Length [12]	54L	54W LED (1131 lm/ft)	DI25	25% Direct/75% Indirect	UN15	Uplight Narrow 15°
					81L	81W LED (1741 lm/ft)	DI75	75% Direct/25% Indirect	UN30	Uplight Narrow 30°
							I	52% Direct/48% Indirect	UM	Uplight Medium 60°
									UASY	Uplight Asymmetric 20° [16]
									UBAT	Uplight Batwing 120°
									UPC	Non-optic frosted cover

* Number of circuit(s) should be determined by the customer prior to ordering the continuous run considering the AC input voltage and total run wattage.

* Contact factory for custom wattage or lumen requirement.

* Contact factory for custom up/down light distribution.

COLOR TEMP.		CRI		SHIELDING		VOLTAGE		EM SECTION [2]		FIXTURE FINISH		CORD FINISH (for pendant)	
-27K	2700K [9]	(Blank)	80+ CRI	(Blank)	White Acrylic Lens (Std.)	UNV	120-277V (Std.)	(Blank)	None EM	(Blank)	Matte White RAL#9003 (Std.)	(Blank)	White (Std.)
-30K	3000K	C9	90+ CRI [8]			120	120V	1SE	1 Section	*BK	Black RAL #9011	*BKC	Black
-35K	3500K					277	277V	2SE	2 Section	**CC	Custom Color		
-40K	4000K					347	347V	xSE	x Section	*AMB	Anti-Microbial Coating (Matte Skye White)		
-50K	5000K												

* Non-standard finish with extra charge.
** Additional charge & set up fee.

CANOPY FINISH (for pendant)		LED DRIVER		OPTIONS	
(Blank)	White (Std.)	(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	BLK	Black Cord Set
*BC	Black Canopy	UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) [6]	ARRA	ARRA Compliant
*SC	Silver Canopy	SP	Separate Power Control for Uplight and Downlight	BAA	BAA(Buy American Act) compliant
**CSS	Custom Canopy Color (White is Std.)	SD40	40% / 100% Bi-Level Step dim	TAA	Trade Agreements Act compliant
		SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)	EMG8	1296 LUMEN EM Battery Backup [5, 13]
		TDM	Triac Dim. (120V only)	EMG15	2430 LUMEN EM Battery Backup [5, 13]
		TD30/70	30% / 70% / 100% Tri-Level Step dim	EMG20	3240 LUMEN EM Battery Backup [5, 13]
		TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)	EMG25	4050 LUMEN EM Battery Backup [5, 13]
		ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	EMC	CEC compliant EM [3]
		EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	ELCU-200	Fail-to-on Emergency lighting, UL924 [7]
		LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim	GTD	Bodine Generator Transfer Device
		ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)	GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
		TRIOT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface	O7W	Optional 7 Years Limited Warranty [4]
		PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	O10W	Optional 10 Years Limited Warranty [4]
		PHDL	Philips Xitanium DALI driver, Dim to 5%	COC	Separated EM feed for City of Chicago code compliance
		BLT	Bluetooth Mesh System (contact factory for more information)	ADPMS	Bluetooth Mesh Wireless Sensor. Occupancy/Day-light harvesting/0-10V Dimming [17, 18]

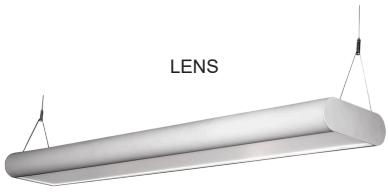
* Non-standard finish with extra charge.
** Additional charge & set up fee.

UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

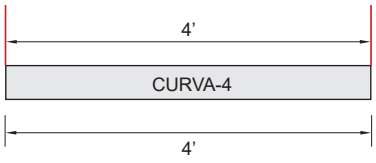
CURVA LED

CEILING TYPE (for pendant)		MOUNTING		SUSPENSION LENGTH (for pendant)		LIGHTING CONTROL SYSTEM	
X1	15/16" grid T-bar ceiling	**(Blank)**	Suspended	**AC48**	Adjustable Aircraft Cable Canopy 48"L		<Lutron Vive System Enabled>
X2	Hard ceiling			**AC96**	Adjustable Aircraft Cable Canopy 96"L	**LUTRON VIVE**	**Click Here!**
X3	Sloped Hard ceiling			**ST24**	Stem Canopy 24"L		<EasySense>
X4	9/16" T-bar ceiling			**ST48**	Stem Canopy 48"L	**SNS200C**	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device(Must be ordered with PHSR driver) [10, 11]
X5	9/16" Screw Slot ceiling			* Contact factory for custom length.		**RS-IR**	IR dongle for EasySense control
							<Enlighted>
						SU-5E-IoT	Enlighted IoT-Ready Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled [14.15]
						SU-5E-CL	Enlighted Indoor Micro sensor with occupancy/vacancy detection, daylight harvesting, thermal sensing, task tuning, and room and zone control, Bluetooth enabled (Connected lighting sensor only)
						RS-WS	Enlighted Room controller providing basic control functions of a standard wall switch with preset dimming capability
							<Bluetooth>
						IFS105SE	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
						PPA102S	Bluetooth Powerpack (Consult factory for installation location)
						CASAMBI	Contact factory for CASAMBI READY options

NOTES:
1. No need to select, if sames as row length and section length.
2. EM is installed in last 4' of luminaire sections. Separate section reguired 2SE or specified. Must specify voltage, not available with 347V.
3. Check with factory for more details.
4. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
5. Contact factory for other emergency ballast options.
6. For separate dimming control, please be advised it may not be available when EM battery back up is added due to limited space. Please contact us for more information.
7. Shipped separately.
8. Lumen per watt is around 15% less than standard CRI (80+).
9. Available with C9 (CRI 90+) only.
10. See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
11. Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
12. Comes with 1pc 8ft lens.
13. Not available with 347V.
14. "RS-WS" option can be added if wish to have a wall switch. Please see Enlighted Room Controller in the separate attachment.
15. Must be ordered with either 0-10V LED driver or TRIOT (IoT-Ready LED driver).
16. Standard aims to the wall, optic is field adjustable.
17. Only available with standard 0-10V LED driver.
18. Default setting from the factory is "occupancy enabled, Daylight disabled". To enable Daylight, disable occupancy and enable daylight adjustment must be made in the field prior to installation.

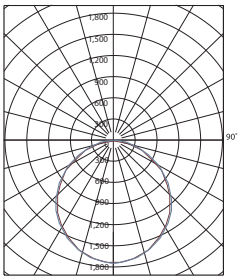


Aircraft Cable Mount

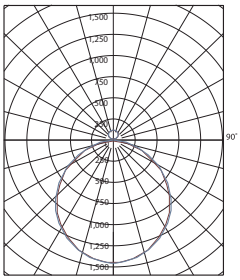


UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

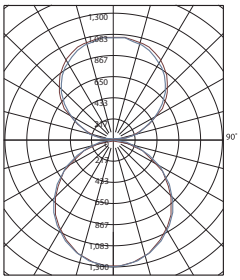
CURVA LED



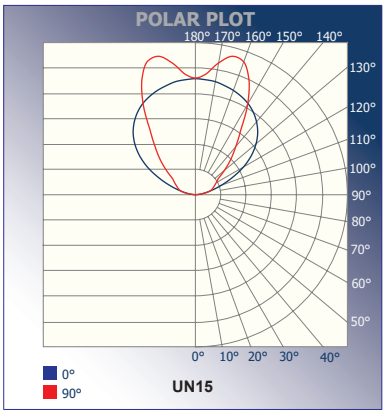
CURVA-R4-54L-D

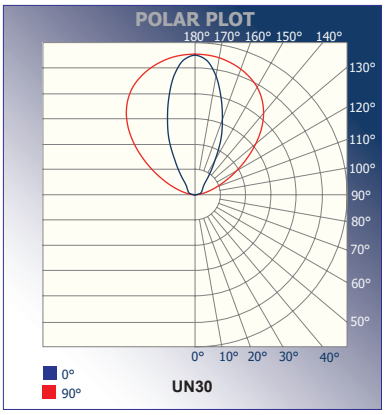


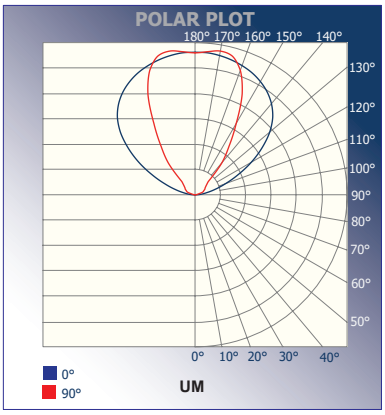
CURVA-R4-54L-DI

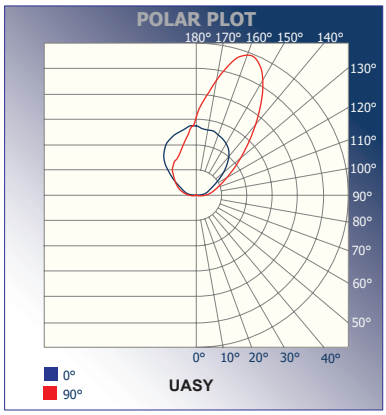


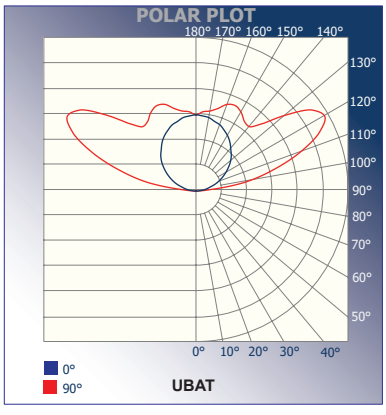
CURVA-R4-54L-I







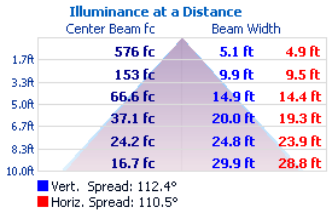




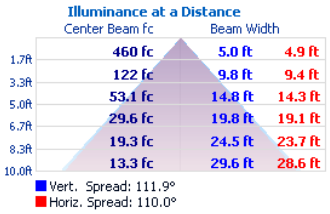
UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

CURVA LED

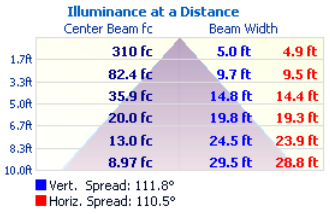
CURVA-R4-36L-D



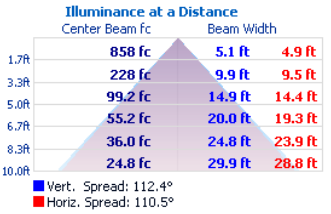
CURVA-R4-36L-DI



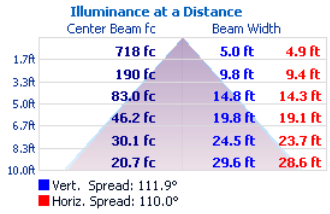
CURVA-R4-36L-I



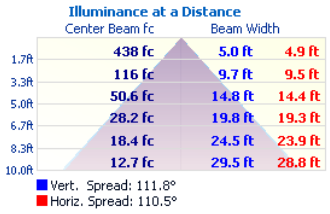
CURVA-R4-54L-D



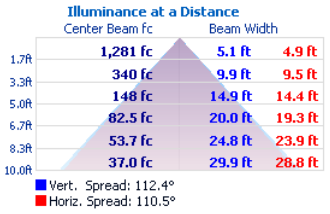
CURVA-R4-54L-DI



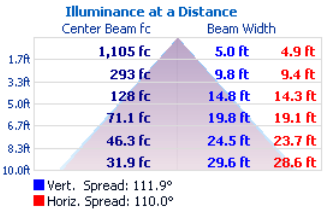
CURVA-R4-54L-I



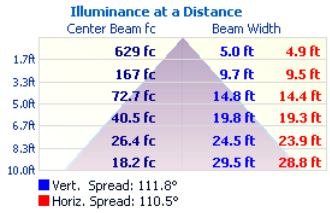
CURVA-R4-81L-D



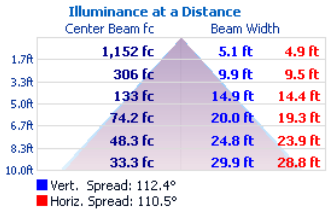
CURVA-R4-81L-DI



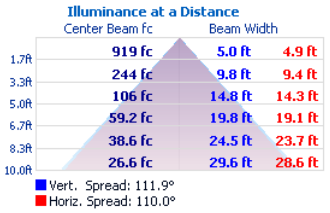
CURVA-R4-81L-I



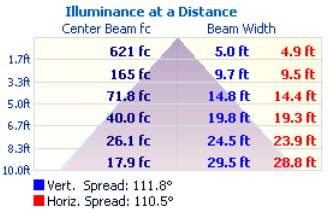
CURVA-R8-36L-D



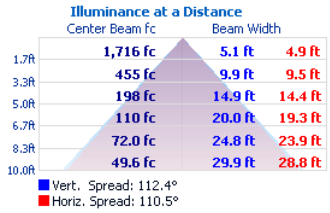
CURVA-R8-36L-DI



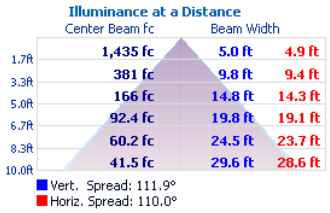
CURVA-R8-36L-I



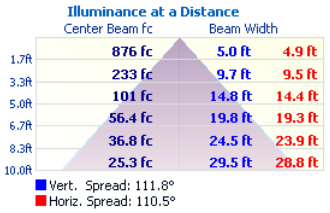
CURVA-R8-54L-D



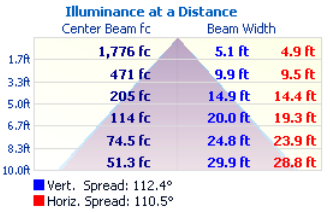
CURVA-R8-54L-DI



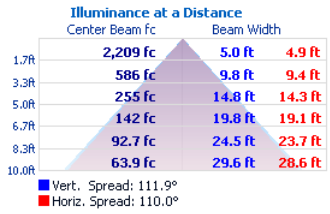
CURVA-R8-54L-I



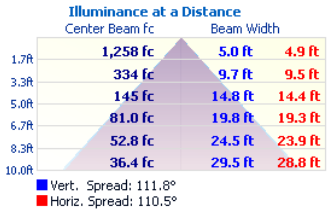
CW-8-72LED



CURVA-R8-81L-DI



CURVA-R8-81L-I



UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.

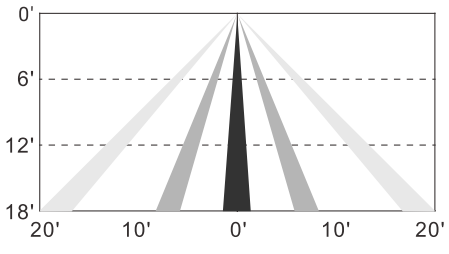
CURVA LED

COMPATIBLE DIMMER SWITCH (TABLE 1)

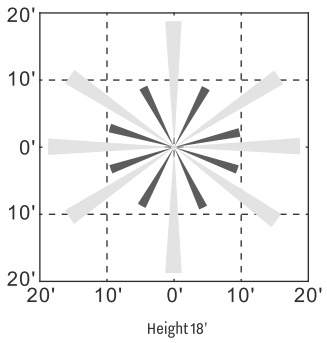
Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IllumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
ED560	eldoLED DUALdrive	<Lunatone>	SS-LUNAT PS2 30mA SS-LUNAT Touch or BT SS-LUNAT Comm
LDE1	Lutron Hi-lume 1% Eco-System	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO [1, 2] Energi Savr Node (120V only): QSN-1EC0-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_ _2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR [3]	Philips Xitanium Sen-sor-Ready	<Illumra>	Single Rocker Self-Powered Light Switch (on/off, dim-up/down) Illumra# ZBT-S1AWH Digi-Key# 1082-1033-ND Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2) Illumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P

NOTES:
1. All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
2. For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
3. Recommended for EasySense System.

SIDE VIEW



TOP VIEW



ADPMS, IFS105SE coverage pattern

UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.