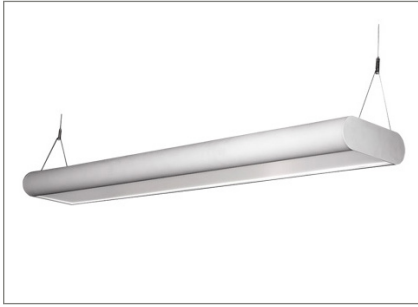


CURVA LED

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:

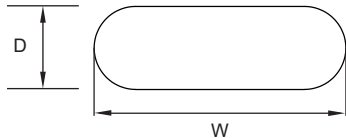
- Samsung LEDs available in 2700/3000/3500/4000/5000K color temperature.
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).
- Custom wattage and lumen available upon request.
- CRI 80+

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).
- 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

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

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 R8	4' Length 8' Length ¹²	36L 54L 81L	36W LED (724 lm/ft) 54W LED (1131 lm/ft) 81W LED (1741 lm/ft)	D DI DI25 DI75 I	100% Direct 90% Direct/10% Indirect 25% Direct/75% Indirect 75% Direct/25% Indirect 52% Direct/48% Indirect	(Blank) UN15 UN30 UM UASY UBAT UPC	No optic Uplight Narrow 15° Uplight Narrow 30° Uplight Medium 60° Uplight Asymmetric 20° ¹⁸ Uplight Batwing 120° Non-optic clear 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 -30K -35K -40K -50K	2700K ⁹ 3000K 3500K 4000K 5000K	(Blank) C9	80+ CRI 90+ CRI ⁸	(Blank) AL	White Acrylic Lens (Std.) Semi-Specular Aluminum Louver ¹⁴	UNV 120 277 347	120-277V (Std.) 120V 277V 347V ¹³	(Blank) 1SE 2SE xSE	None EM 1 Section 2 Section x Section	(Blank) *BK **CC *AMB	Matte White RAL#9003 (Std.) Black RAL #9011 Custom Color Anti-Microbial Coating (Matte Skye White)	(Blank) *BKC	White (Std.) Black
* Non-standard finish with extra charge. ** Additional charge & set up fee.													

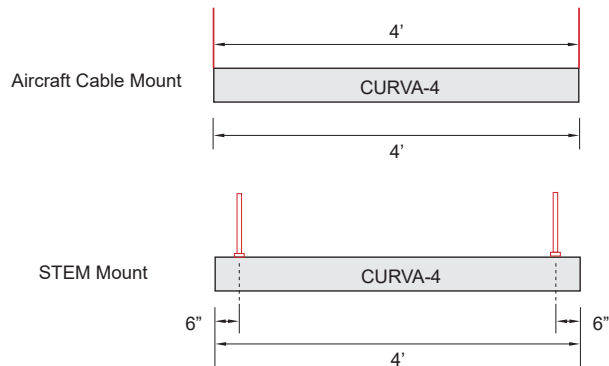
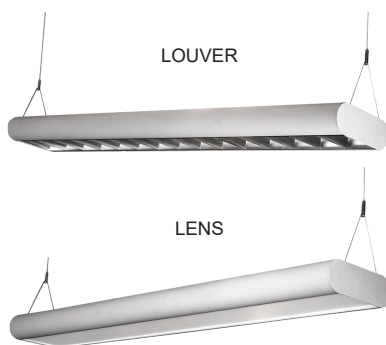
CANOPY FINISH (for pendant)		LED DRIVER				OPTIONS			
(Blank) *BC *SC **CSS	White (Std.) Black Canopy Silver Canopy Custom Canopy Color (White is Std.)	(Blank) UDSD SP SD40 SDXX TDM TD30/70 TDXX/YY ES566 EC LDE1 ELV TRIOT PHSR PHDL DMX DLM LTEA2W	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously) Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) ⁶ Separate Power Control for Uplight and Downlight 40% / 100% Bi-Level Step dim XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) Triac Dim. (120V only) 30% / 70% / 100% Tri-Level Step dim XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive) Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV compatible (reverse-phase or trailing-edge), (120V only) Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface Philips Xitanium Sensor-Ready, Dali 5%~100% dim. Philips Xitanium DALI driver, Dim to 5% DMX512 control system (Only available with RGB+W option) Wattstopper's DLM interface (Only available with RGB+W option) Hi-lume 1% 2-wire LED driver (120V forward phase only)	BLK ARRA BAA EMG8 EMG15 EMG20 EMG25 EMC ELCU-200 GTD GTD10DIM O7W O10W COC UPC AMS LSR-301-S LSR-301-P DPMS	Black Cord Set ARRA Compliant BAA(Buy American Act) and BABA(Build America Buy America) compliant 1296 LUMEN EM Battery Backup ⁵ 2430 LUMEN EM Battery Backup ⁵ 3240 LUMEN EM Battery Backup ⁵ 4050 LUMEN EM Battery Backup ⁵ CEC compliant EM ³ Fail-to-on Emergency lighting, UL924 ⁷ Bodine Generator Transfer Device Bodine Generator Transfer Device (0-10VDC Dimmer Override) Optional 7 Years Limited Warranty ⁴ Optional 10 Years Limited Warranty ⁴ Separated EM feed for City of Chicago code compliance Indirect Light Cover Bluetooth Mesh Wireless Sensor. Occupancy/Day-light/0-10V Dimming ¹³ Setup Remote Control for DPMS (Required for DPMS) Occupant Remote Control for DPMS Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) ¹⁷				
		BLT	Bluetooth Mesh System (contact factory for more information)						

CURVA LED

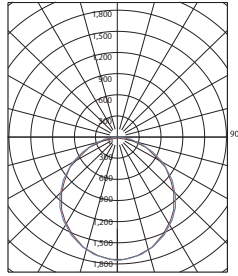
CEILING TYPE (for pendant)		MOUNTING		SUSPENSION LENGTH (for pendant)		LIGHTING CONTROL SYSTEM	
X1	15/16" grid T-bar ceiling	(Blank)	Suspended	AC48	Adjustable Aircraft Cable Canopy 48"L	LUTRON VIVE	<Lutron Vive System Enabled>
X2	Hard ceiling			AC96	Adjustable Aircraft Cable Canopy 96"L		 Click Here!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

NOTES:

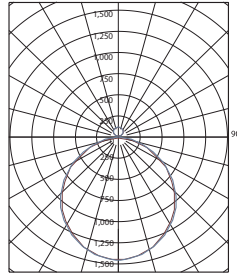
- No need to select, if same as row length and section length.
- EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V.
- Check with factory for more details.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Contact factory for other emergency ballast options.
- 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.
- Shipped separately.
- Lumen per watt is around 15% less than standard CRI (80+).
- Available with C9 (CRI 90+) only.
- See NFC and IR manual in the separate attachment. If your phone is not compatible, please order "RS-IR" and follow the manual.
- Refer to Advanced Grouping Datasheet for its default setting and compatible wireless switches.
- Comes with 1pc 8ft lens.
- 347V cannot work with Emergency Battery Backup.
- Available with 4ft only.
- "RS-WS" option can be added if wish to have a wall switch, please see Enlighted Room Controller in the separate attachment.
- Must be ordered either with 0-10V LED driver or TRIOT (IoT-Ready LED driver).
- Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.
- Standard aims to the wall, optic is field adjustable.



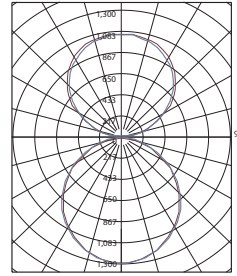
CURVA LED



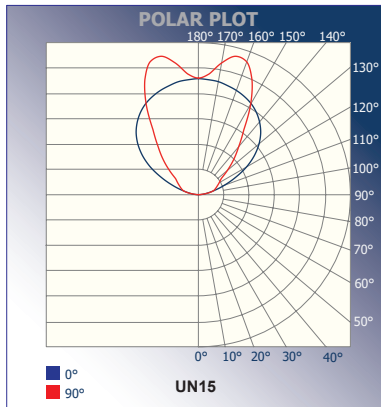
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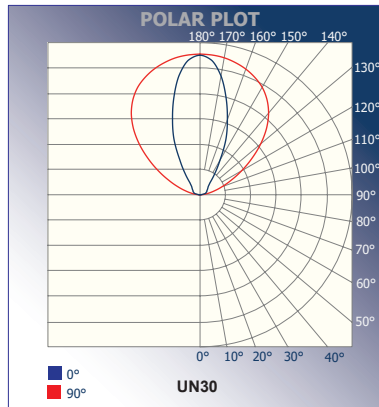
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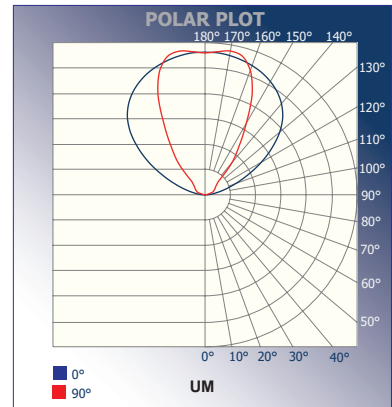
CURVA-R4-54L-I



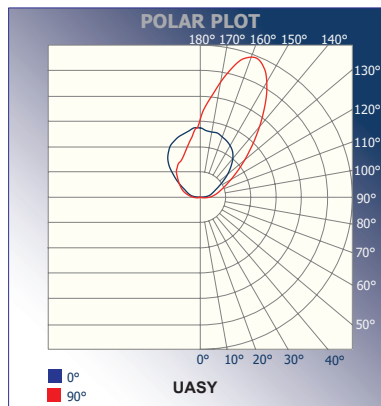
UN15



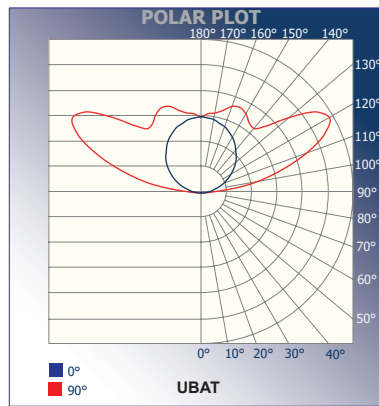
UN30



UM



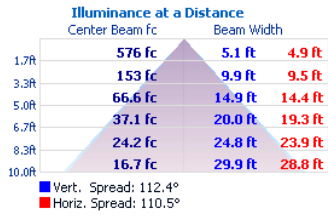
UASY



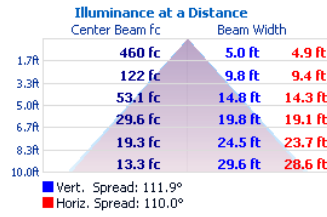
UBAT

CURVA LED

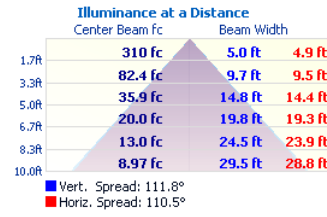
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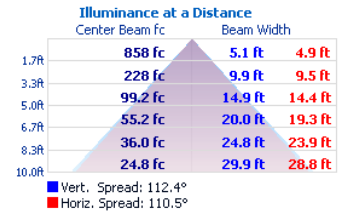
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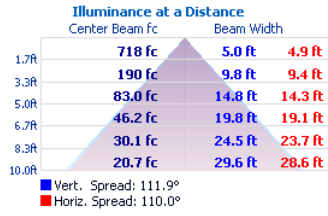
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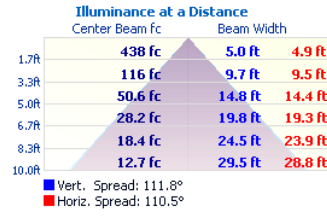
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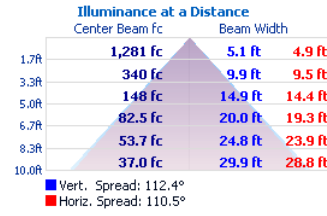
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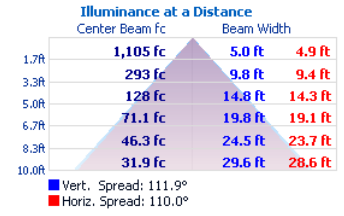
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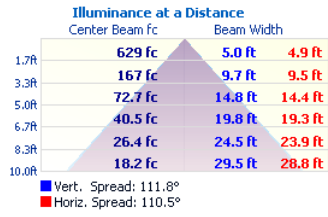
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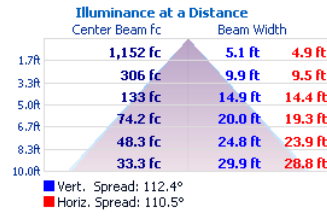
CURVA-R4-81L-DI



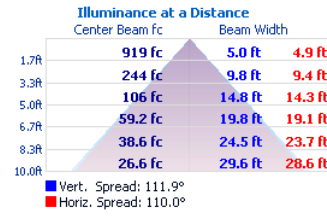
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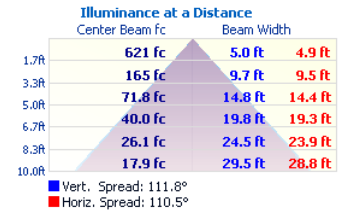
CURVA-R8-36L-D



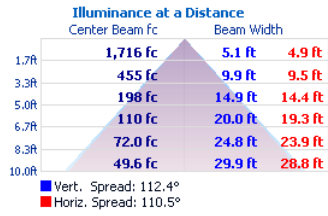
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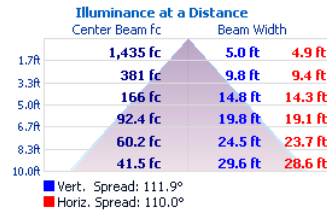
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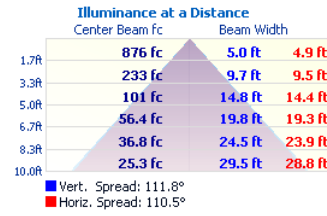
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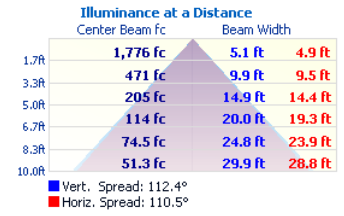
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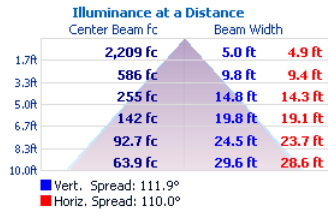
CURVA-R8-54L-I



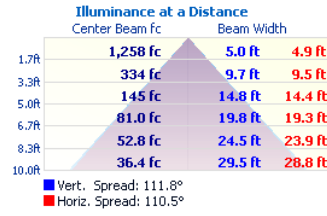
CW-8-72LED



CURVA-R8-81L-DI



CURVA-R8-81L-I



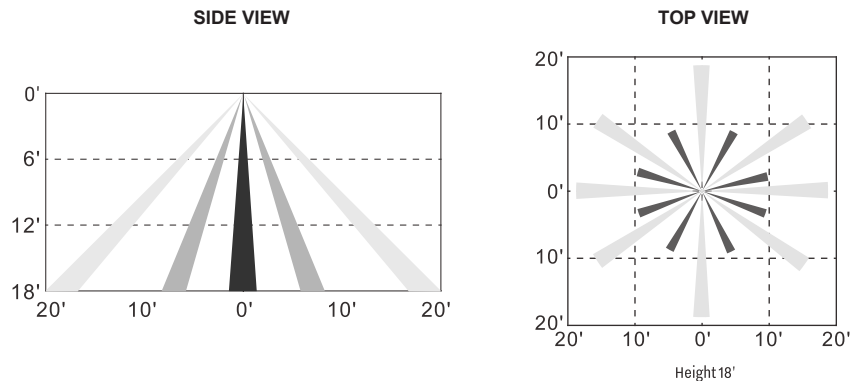
CURVA LED

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech 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>	IlumaTech - 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 - DDTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, 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-1ECO-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 Sensor-Ready	<Ilumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Ilumra# 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, IlumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

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.



AMS, IFS105SE coverage pattern