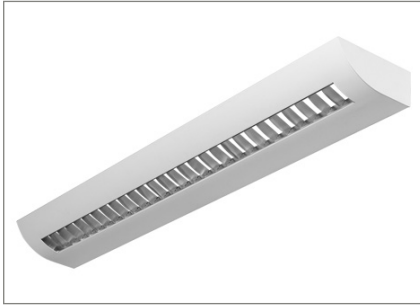


# WIOL LED



### APPLICATION

Architectural indoor, direct/indirect suspended light for LED. 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, bank, retail and educational environments.

### FEATURES:

- Die formed 20 gauge cold-rolled steel housing. Flat steel end plate standard. Powder coated for a long life finish. White finish is standard. Die cast aluminum spade end cap optional.
- 2', 3', 4' and 8' individual fixture sections for nominal spacing of 2', 3', 4' and 8'. Using 2', 3', 4' and 8' sections can be joined to form longer length fixtures.
- Parabolic semi-specular aluminum louvers (standard) and white painted steel baffle (WBL).
- Die-formed high-reflective white reflector is standard. Optional anodized specular aluminum reflector.
- Uplight and down light distribution.
- Textured matte white polyester powder paint.

### MOUNTING:

- Individual installation or end-to-end row wall mount.

### LED:

- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 162 LPW.
- Calculated L70: 122,000 hours
- Reported L70: >54,000 hours
- Poke in wire connectors.
- Color variation within 3-step MacAdam ellipse.
- WIO Series LED is rated to deliver LM80 performance.
- CRI 80+

### ELECTRICAL:

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Dimming Control: 1~100%(Std.) Bi-level step dim.
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature: -22°F (-30°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.
- UL listed for dry & damp location.
- Listed to UL 1598 and UL 8750.
- CEC Compliant EM (please contact for more information)
- ARRA compliant.
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) 4

### CONFIGURATIONS

Size	Input Watts	Lumen Output	Lumen Efficiency
2FT	22W	1964 lm	89.3 lm/W
	30W	2678 lm	
3FT	30W	2678 lm	
	45W	4018 lm	
4FT	40W	3571 lm	
	60W	5357 lm	
8FT	80W	7143 lm	
	120W	10714 lm	

### SDM OPTION

Size	Input Watts	Lumen Output	Lumen Efficiency
2FT	27W	2410 lm	89.3 lm/W
	42W	3749 lm	
4FT	56W	4999 lm	
	84W	7498 lm	
8FT	112W	9998 lm	

: Based on 5000K.

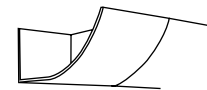
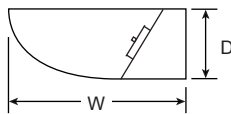
### COMPATIBLE DIMMERS:

Leviton : IP710-DLX  
 Lutron : DDTV-XX  
 Encelium EMS : EN-LCM-1R10V-GB2-BK  
 Encelium EMS : EN-LCM-1R10V-GB2-BK/DR  
 Encelium EMS : EN-ALC-1R10V-GB2-BK  
 Encelium EMS : EN-ALC-1R10V-GB2-BK-DR  
 SYLVANIA : ELMC-SL3W-TVWBX/UNV  
 Wattstopper : ADF-120277  
 Synergy lighting Controls : ISD BC

### Specifications: WIOL 2', 3', 4', 8'

Length: 24, 36, 48, 96 (610 / 914 / 1220 / 2439)  
 Width: 7-1/4 (184)  
 Depth: 3 (76)  
 Weight:  
 WIOL-R2: 14.18 lbs (6.43 kg)  
 WIOL-R3: 9.7 lbs (4.4 kg)  
 WIOL-R4: 26.76 lbs (12.14 kg)  
 WIOL-R8: 49.47 lbs (22.44 kg)

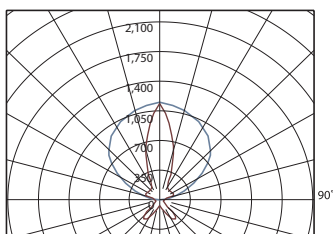
All dimensions are in inches (millimeters).



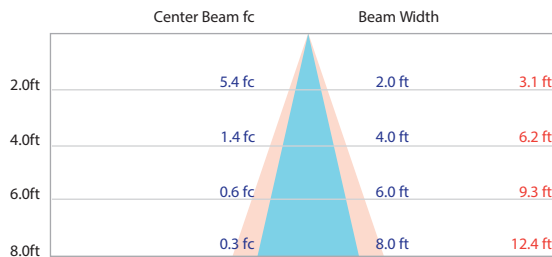
[ SPE option ]

### Distribution Data (WIOL-4-56LED)

Polar Candela Distribution



Illuminance at a Distance



Vert. Spread: 52.9°  
 Horiz. Spread: 75.6°

# WIOL LED

ORDERING INFORMATION

EXAMPLE: WIOL-4-40L-40K-UNV-SPE

MODEL	ROW		SECTION <sup>1</sup>		LED		COLOR TEMP.		CRI		LOUVER		REFLECTOR	
WIOL	xx	Increments Total Row Lengths	R2	2' Length	22L	22W LED	-27K	2700K <sup>8</sup>	(Blank) C9	80+ CRI 90+ CRI <sup>7</sup>	(Blank) WBL SWO	Semi Specular (Std.) White Blade Semi Specular ouver with White Acrylic Overlay	(Blank) SR	White Reflector (Std.) Specular Reflector
			R3	3' Length	30L	30W LED	-35K	3500K						
			R4	4' Length	40L	40W LED	-40K	4000K						
			R8	8' Length	80L	80W LED	-50K	5000K						

\* Contact factory for custom wattage or lumen requirement.

\* NOTE: "T" for tandem unit, add T.  
Example:  
WIOP-8-T232, WIOP-12-R4-T232

VOLTAGE		LED DRIVER			
UNV	120-277V (Std.)	(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	TDM	Triac Dim. (120V only)
120	120V	UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) <sup>10</sup>	TD30/70	30% / 70% / 100% Tri-Level Step dim
277	277V	ES566	eldoLED SOLdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)
347	347V <sup>11</sup>	EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)	LDE5	5-Series EcoSystem LED driver, 100% ~ 5% dim
		SD40	40% / 100% Bi-Level Step dim	LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
		SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)	ELV	ELV compatible (reverse-phase or trailing-edge)
		PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	TRIOT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface
		PHDL	Philips Xitanium DALI driver, Dim to 5%	DIMT	Tri-mode dimming (Triac, ELV, 0-10V)
		ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%		
		MU050	0-10V dual channel, 0.1% ~ 100%		

FINISH		OPTIONS			LIGHTING CONTROL SYSTEM	
(Blank)	Matte White (Std.)	EMG5	5W EM Battery Backup (CEC Compliant EM) <sup>2,5</sup>	VRF	<Lutron Vive System Enabled> Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR)	
AL	Light Gray	EMG8	8W EM Battery Backup (CEC Compliant EM) <sup>2,5</sup>	FCJS0	Vive Attached fixture control (RF only for 0-10V drivers)	
		EMG16	16W EM Battery Backup (CEC Compliant EM) <sup>2,5</sup>	FCJSE	Vive Attached fixture control (RF only for Lutron EcoSystem drivers)	
		ELCU-200	Fail-to-on Emergency lighting, UL924 <sup>6</sup>	FCJS0EM	UL 924 Emergency PowPak wireless fixture control for 0-10V drivers	
		GTD	Bodine Generator Transfer Device	FCJSEEM	UL 924 Emergency PowPak wireless fixture control for Ecosystem drivers	
		GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	SNS200C	<EasySense> EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) <sup>9</sup>	
		GLR	Fast Blow Fuse <sup>2</sup>	RS-IR	IR dongle for EasySense control	
		GMF	Slow Blow Fuse <sup>2</sup>			
		MS	Occupancy Sensor <sup>3</sup>			
		DC	Dust Cover			
		SPE	Spade End Cap			
		DL	Damp Location Label			
		O7W	Optional 7 Years Limited Warranty <sup>4</sup>			
		O10W	Optional 10 Years Limited Warranty <sup>4</sup>			

\* Available custom color (RAL)  
Please provide us with the RAL number.

NOTES:

- No need to select, if same as row length and section length.
- 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.
- Shipped separately.
- Lumen per watt is around 15% less than standard CRI (80+).
- Available with C9 (CRI 90+) only.
- Please see Compatible Phone list in the separate attachment. If not listed, please order "RS-IR", and follow IR-Dongle user guide and NFC and IR app user's manual. Android users only.
- For separate dimming control, please be advised it may not be available when EM battery backup is added due to limited space. Please contact us for more information.
- 347V cannot work with Emergency Battery Backup.

# WIOL LED

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit <a href="http://www.lutron.com/advance">www.lutron.com/advance</a> 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 - 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-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX		
LDE5	Lutron 5-Series EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO <sup>1,2</sup> Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGR_J- _E(wireless) QSGR- _E Quantum Hub (120V only): QP2- _ _2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
LDE1	Lutron Hi-lume 1% EcoSystem		
ELV/ TDM	ERP	<Lutron>	S-603PG, DVCL-153P, DV-600P, TGCL-153P, S-600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500
		<Leviton>	IPI06-1LZ, 6631-2, VPE06,6683-IW, 6161, 6633-P, IPE04
		<Cooper>	DLC03P, SLC03P, DAL06P
		<Lightolier>	ZP260QEW

NOTES:

- 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](http://www.lutron.com).
- 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.