

WIOP LED



CASAMBI

APPLICATION

Architectural indoor, direct/indirect wall mount 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' and 4' individual fixture sections for nominal spacing of 2', 3' and 4'. Using 2', 3' and 4' sections can be joined to form longer length fixtures.
- Die-formed high-reflective white reflector is standard. Optional anodized specular aluminum reflector.
- Up light and down light distribution. (5% down, 95% up)
- 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: +60,000 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.
- BAA compliant (optional).
- Trade Agreements Act compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional)⁴
- Bluetooth Mesh System available, please contact factory for more information.

CONFIGURATIONS

Size	Input Watts	Lumen Output	Lumen Efficiency
2FT	22W	2060 lm	93.68 lm/W
	30W	2810 lm	
3FT	30W	2810 lm	89.3 lm/W
	45W	4215 lm	
4FT	40W	3747 lm	
	60W	5620 lm	

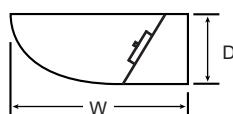
SDM OPTION

Size	Input Watts	Lumen Output	Lumen Efficiency
2FT	27W	2410 lm	89.3 lm/W
	42W	3749 lm	
4FT	56W	4999 lm	

: Based on 5000K.

COMPATIBLE DIMMERS:

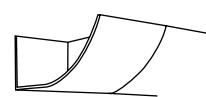
Leviton : IP710-DLX
 Lutron : DTVT-XX
 Encelium EMS : EN-LCM-1R10V-GB2-BK
 Encelium EMS : EN-LCM-1R10V-GB2-BK/DR
 Encelium EMS : EN-ALC-1R10V-GB2-BK
 Encelium EMS : EN-ALC-1R10V-GB2-BK-DR
 SYLVANIA : ELMC-SL3W-TVWVBX/UNV
 Wattstopper : ADF-120277
 Synergy lighting Controls : ISD BC



Specifications: WIOP 2', 3', 4'

Length: 24, 36, 48 (610 / 914 / 1220)
 Width: 7-1/4 (184)
 Depth: 3 (76)
 WIOP-R2: 8.3 lbs (3.76 kg)
 WIOP-R3: 9.3 lbs (4.2 kg)
 WIOP-R4: 11.3 lbs (5.12 kg)

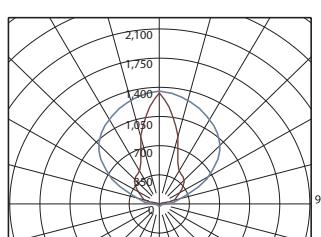
All dimensions are in inches (millimeters).



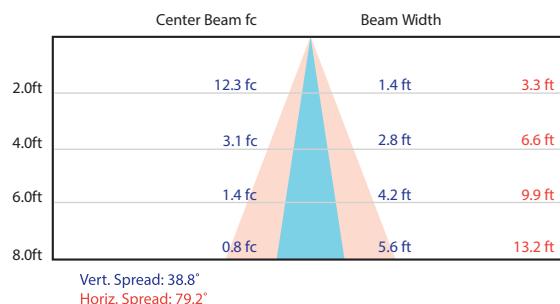
[SPE option]

Distribution Data (WIOP-4-56LED)

Polar Candela Distribution



Illuminance at a Distance



LED ARCHITECTURAL LINEAR WALL MOUNT

WIOP LED

ORDERING INFORMATION

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

MODEL	ROW	SECTION ¹	LED	COLOR TEMP.	EFFICACY	CRI	
WIOP	xx	Increments Total Row Lengths	R2 2' Length	22L 22W LED 30L 30W LED	-27K 2700K ⁸ -30K 3000K -35K 3500K -40K 4000K -50K 5000K	(Blank) HE Standard High Efficacy ^{10%}	(Blank) C9 80+ CRI 90+ CRI ⁷
			R3 3' Length	30L 30W LED 45L 45W LED			
			R4 4' Length	40L 40W LED 60L 60W LED			

* 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.

REFLECTOR		VOLTAGE		LED DRIVER				FINISH	
(Blank)	White Reflector (Std.)	UNV	120-277V (Std.)	(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously) eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	ES566	40% / 100% Bi-Level Step dim	(Blank)	Matte White RAL# 9003 (Std.)
120	120V	277	277V	SD40	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)	SDXX	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.	*SV	Silver RAL# 9022
347	347V ¹⁰			PHSR	Philips Xitanium DALI driver, Dim to 5%	PHDL	Philips Xitanium DALI driver, Dim to 5%	**CC	Custom Color
				ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%	ED	eldoLED ECODrive 0-10V natural dim to 1% (Hybrid HydraDrive)	*AMB	Anti-Microbial Coating (Matte Skye White)
				TDM	Triac Dim. (120V only)	TD30/70	30% / 70% / 100% Tri-Level Step dim		
				TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)	LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on,		
				LDE1	Fade-to-Black dimming technology, 100% ~ 1% dim	ELV	Hi-lume 1% EcoSystem LED driver with Soft-on,		
				ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)	TRIOT	Fade-to-Black dimming technology, 100% ~ 1% dim		
				TRIOT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI),	LTEA2W	ELV compatible (reverse-phase or trailing-edge), (120V only)		
				LTEA2W	automated dimming/lighting controls via Enlightened Sensor Interface	BLT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI),		
				BLT	Hi-lume 1% 2-wire LED driver (120V forward phase only)				

OPTIONS		LIGHTING CONTROL SYSTEM			
EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,5}	<Lutron Vive System Enabled>			
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,5}	Click Here!			
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,5}	<EasySense>			
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) ^{2,5}	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ⁹			
ELCU-200	Fail-to-on Emergency lighting, UL924 ⁶	IR dongle for EasySense control			
GTD	Bodine Generator Transfer Device	<Bluetooth>			
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	Bluetooth Mesh Wireless Sensor, Occupancy/Daylight/0-10V Dimming			
GLR	Fast Blow Fuse ²	Bluetooth Powerpack (Consult factory for installation location)			
GMF	Slow Blow Fuse ²	Contact factory for CASAMBI READY options			
MS	Occupancy Sensor ³	CASAMBI			
DC	Dust Cover				
SPE	Spade End Cap				
DL	Damp Location Label				
O7W	Optional 7 Years Limited Warranty ⁴				
O10W	Optional 10 Years Limited Warranty ⁴				
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant				
TAA	Trade Agreements Act compliant				

NOTES:

1. No need to select, if same as row length and section length.
2. 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. Shipped separately.
7. Lumen per watt is around 15% less than standard CRI (80+).
8. Available with C9 (CRI 90+) only.
9. 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.
10. 347V cannot work with Emergency Battery Backup.

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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: NFTV Diva - DTV-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
LDE1	Lutron Hi-lume 1% EcoSystem	<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
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.