

WIOP 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' 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: >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	2060 lm	93.68 lm/W
	30W	2810 lm	
3FT	30W	2810 lm	
	45W	4215 lm	
4FT	40W	3747 lm	
	60W	5620 lm	

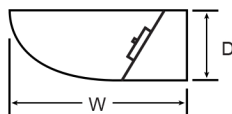
SDM OPTION

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.

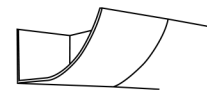
COMPATIBLE DIMMERS:

Leviton : IP710-DLX
 Lutron : 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: 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)

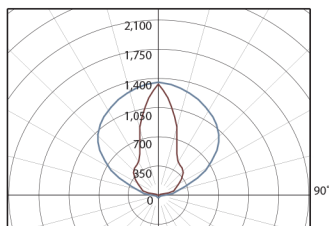


[SPE option]

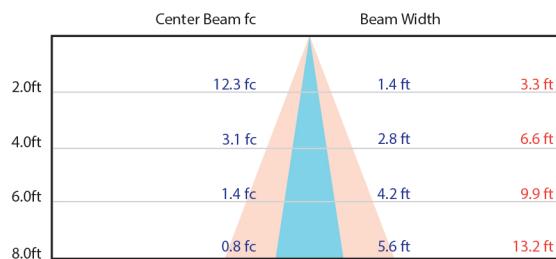
All dimensions are in inches (millimeters).

Distribution Data (WIOP-4-56LED)

Polar Candela Distribution



Illuminance at a Distance



Vert. Spread: 38.8°
 Horiz. Spread: 79.2°

WIOP LED

ORDERING INFORMATION

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


MODEL	ROW		SECTION ¹		LED		COLOR TEMP.		CRI		REFLECTOR		VOLTAGE	
WIOP	xx	Increments Total Row Lengths	R2	2' Length	22L	22W LED	-27K	2700K ⁸	(Blank) C9	80+ CRI 90+ CRI ⁷	(Blank) SR	White Reflector (Std.) Specular Reflector	UNV	120-277V (Std.)
					30L	30W LED	-30K	3000K					120	120V
			R3	3' Length	30L	30W LED	-35K	3500K					277	277V
				45L	45W LED	-40K	4000K					347	347V ¹¹	
			R4	4' Length	40L	40W LED	-50K	5000K						
					60L	60W LED								

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

* Contact factory for custom wattage or lumen requirement.

LED DRIVER				FINISH	
(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)	TD30/70	30% / 70% / 100% Tri-Level Step dim	(Blank)	Matte White (Std.)
UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) ¹⁰	TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)	AL	Light Gray
ES566	eldoLED SOLdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim	LDE5	5-Series EcoSystem LED driver, 100% ~ 5% dim	AMB	Anti-Microbial Coating (Matte Skye White)
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%	LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)		
EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)				
MU050	0-10V dual channel, 0.1% ~ 100%				
TDM	Triac Dim. (120V only)				

* Available custom color (RAL)
Please provide us with the RAL number.
* Non-standard finish with extra charge.

OPTIONS		LIGHTING CONTROL SYSTEM	
EMG5	5W EM Battery Backup (CEC Compliant EM) ^{2,5}	LUTRON VIVE	<Lutron Vive System Enabled>
EMG8	8W EM Battery Backup (CEC Compliant EM) ^{2,5}		 Click Here!
EMG16	16W EM Battery Backup (CEC Compliant EM) ^{2,5}	SNS200C	<EasySense>
EMG25	25W EM Battery Backup (CEC Compliant EM) ^{2,5,12}	RS-IR	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		
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)		
GLR	Fast Blow Fuse ²		
GMF	Slow Blow Fuse ²		
MS	Occupancy Sensor ³		
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		

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.
- Not available with 2ft housing due to space limitations.

WIOP 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, NDTV 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
LDE1	Lutron Hi-Lume 1% EcoSystem		
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Maestro MA-600 (Digital)
ELV	ERP	<Lutron>	Nova-NFTV, Diva-DDTV
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.