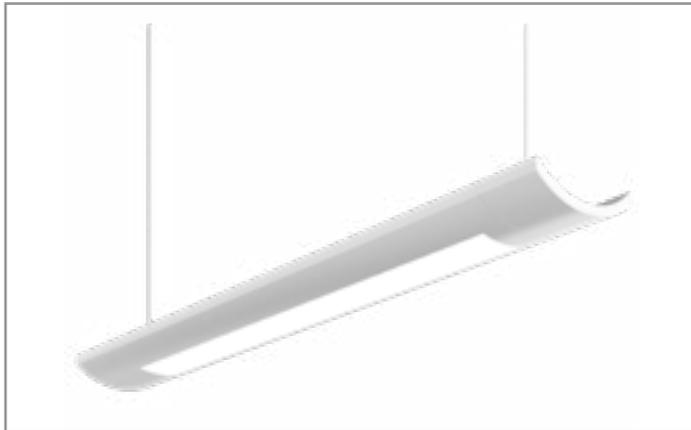


Project		Catalog #		Type	
Prepared by		Notes		Date	



Corelite

Iridium i2

WaveStream™ LED
Suspended
Direct / Indirect

Typical Applications

• Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 3](#)
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- Energy and Performance Data [page 4](#)
- Control Systems [page 4](#)
- Product Warranty

Product Certification



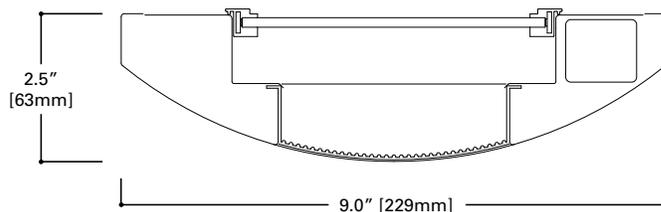
Product Features



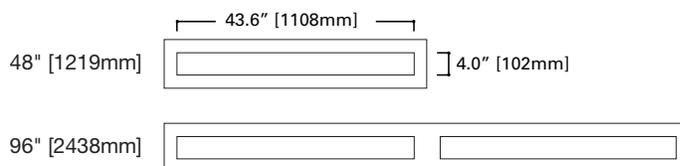
Top Product Features

- Powered by WaveStream LED light engine; Architectural quality construction
- Superior optical control with multiple up / down distributions; Low-glare frosted linear prismatic lens
- Controlled wide batwing distribution for ceiling uniformity; Ideal for lower ceiling applications
- Available in 4' and 8' and continuous runs; Integral daylight/occupancy sensor option
- Five standard light output levels; Up to 114 lumens per watt

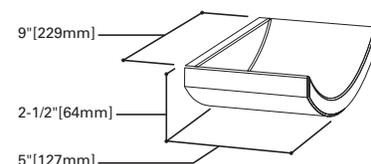
Dimensions and Fixture lengths



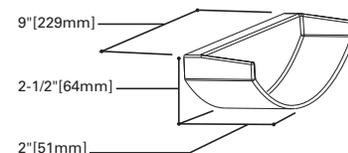
Fixture Lengths



Standard Straight End Cap



Beveled End Cap



Order Information

SAMPLE NUMBER: I2-WS-3L35-1D-UNV-AC48-T1-56-STD-W-ES

Series	Optics	Light Level (per 4' section, 3500K)	Color Temperature	Number of Circuits	Wiring	Input Voltage	Suspension/Power Feed
I2-Iridium i2 Suspended	WS=WaveStream with linear prismatic frosted lens	1=Light Level 1 (2,963 Lms, 26.1W) 2=Light Level 2 (3,697 Lms, 35.5W) 3=Light Level 3 (4,912 Lms, 46.3W) 4=Light Level 4 (6,075 Lms, 63.7W) 5=Light Level 5 (7,214 Lms, 79.2W)	L30=LED 3000K L35=LED 3500K L40=LED 4000K	1=1 Circuit	C=Switched Circuit ⁽¹⁾ D=Dimming ^{(1),(2)} B=Battery Pack ⁽³⁾ E=Emergency Circuit T=Nightlight Y=Daylight	UNV=Universal (120V-277V) 347=347V ⁽⁴⁾	AC=Aircraft cable with straight power cord
					<p>Notes</p> <p>(1)Dimming wires come standard in all LED fixtures but can be capped in the field for standard switched operation. (2)When dimming is selected, a separate drop for low voltage control wires supplied as standard. A single drop may be supplied upon request. (3)For approximate delivered lumens, take lumens per watt of desired fixture and multiply by 12 watts (100 lp/W x 12 = 1200 lumens delivered).</p>	<p>Notes</p> <p>(4)Integral 347V electronic driver with STD 0-10V option only. Two drivers required for Light Level 5. Factory supplied remote transformer for all other driver/dimming options</p>	

Suspension Length	Ceiling Type	Run Length	Driver/Dimming Options	Integral Sensor (Optional)	Distribution Modifier Kit (DM Kit)	Finish	End Cap
Adjustable Cable 48", 120", 240", 300", or 360"	T1=15/16" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar JB=Junction Box / Structure UM=Universal Ceiling Kit (T1, T9, JB) _S=Swivel at Cancopy (_=T1, T9, TS or JB)	4=4 ft 8=8 ft 12=12 ft XX=Specify Row Length ⁽⁵⁾	STD=Standard 0-10V (10%-100%) HCD=0-10V (1%-100%) ⁽⁷⁾ SLT=Fifth Light DALI (1%-100%) ^{(6),(8)} STP=Step Dimming (Bi-Level, 40%) ⁽⁹⁾ SR=Sensor Ready (1%-100%)	LWIPD1=Enlighted Wireless Integral Sensor ^{(11),(13)} WAA=WaveLinX Wireless Integral Sensor ^{(12),(13)}	(blank)=Std. 50% up /50% down DM5=40% up / 60% down DM8=70% up / 30% down <i>Nominal distributions. Refer to photometric tests for exact distributions</i>	W=White S=Silver CC=Custom Color	ES=Straight End Cap (Standard) EB=Beveled End Cap
	<p>Notes</p> <p>UM mounting accomodates 15/16" Grid, 9/16" Grid, 4" Octagonal J-Box, and Structure - Adder applies. White mounting hardware standard; for black mounting hardware, add "-B" after ceiling type.</p>	<p>Notes</p> <p>(5)Standard row configurations over 8' consist of 4' and 8' luminaires..</p>	<p>Notes</p> <p>(6)Must be used in conjunction with a DALI control system. For a complete listing of Fifth Light Technology products and other solutions from Cooper Lighting Solutions, visit https://acc.cooperlighting.com/global/brands/fifth-light.html (7)Two HCD drivers required per 4' section for Light Levels 4 and 5. (8)Two Fifth Light (SLT) drivers required per 4' section for Light Level 5. (9)Step-dim not available in Light Level 1. Two step-dim drivers required per 4' section for Light Level 5.</p>	<p>Notes</p> <p>(11)LWI sensor requires use of SR driver. Must be used in conjunction with a LumaWatt Pro control system. For complete Enlighted wireless solutions, visit https://www.cooperlighting.com/content/dam/cooper-lighting/brands/corelite/spec-sheets/corelite-lumawattpro-sensors-524041-sss.pdf. (12)WAA sensor works only with STD and HCD 0-10V drivers. Designed for use with the WaveLinX Wireless Connected Lighting system. SWPD1 has been renamed to WAA, but remains the same sensor. For complete WaveLinX wireless solutions, visit https://www.cooper-lighting.com/global/brands/wavelinx.html. (13)Integrated Sensors combined with Emergency Circuit require one UL924 Bypass Relay per emergency section to disable sensor control when normal power is lost.</p>			

Product Specifications

Construction

- Single-piece, die-formed cold rolled steel housing
- 9" x 2-1/2" curved profile

End Caps

- Standard Straight and optional Beveled end caps
- Precision die-cast aluminum
- Mechanically attached with no exposed fasteners
- Straight end caps add 6" at each end
- Beveled end caps add 2" at each end

Lengths

- Modular 4'-0" and 8'-0" sections
- Combine sections for continuous runs

Finish

- High reflectance, electrostatically applied, White polyester powder coat paint
- White, Silver and RAL custom colors are available

Mounting

- Standard aircraft cable mounts on 4'-0" and 8'-0" centers (refer to installation instructions for various ceiling interface details)
- Adjustable cable suspension lengths include 48", 120", 240", 300" or 360"

Shielding/ Optics

- Bottom lens is a high light transmission 0.08" thick linear prismatic frosted acrylic material
- Precision formed optical assembly with optical grade acrylic lenses
- Direct / Indirect optical distribution using WaveStream technology

- Low-voltage WaveStream LED light engine is field-replaceable
- Standard distribution 50% up / 50% down
- Distribution Modification Kit for 40% up / 60% down (DM5) or 70% up / 30% down (DM8)

LED and Light Engine

- LEDs are available in 3000K, 3500K and 4000K
- Typical CRI \geq 85
- Five light level choices (see ordering information for details)
- Projected life is 100,000 hours at 81% lumen maintenance
- Electronic driver 120-277V dimming driver standard; Available with 347V optional driver
- 0-10V continuous dimming down to 10%; Works with any 0-10V control / dimmer
- Optional dimming driver down to 1%
- Digital Addressable Lighting Interface (DALI) driver options for use with Fifth Light controls (see ordering information for all driver options)

Integrated Controls

- WaveLinx sensor compatible for IoT capability
- Enlighted sensor compatible for IoT capability
- Integrated Occupancy / Daylight sensor for local control

Emergency Options

- Optional 120-277V emergency battery available in 12W
- 90 minute output, and powers a 4-foot section
- Test switch/indicator button located on the top side of the luminaire

- Approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 12 = 1200 lumens)
- The combination of integrated sensor and emergency circuit options require an EPC UL924 bypass relay that disables sensor control of emergency fixtures when normal power is lost

Compliance

- cULus listed for damp locations and 25°C ambient environments
- Tested to IESNA LM-79 and LM-80
- RoHS compliant
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium™ Qualified and classified for DLC Standard (refer to www.designlights.org for details)

Warranty

- Five-year warranty standard. Optional ten year warranty available. www.cooperlighting.com/legal

Control Systems

- WaveLinX Wireless
- WaveLinX Wired
- Enlighted
- iLumin Plus



Photometric Data

[View IES files](#)

	<p>FILE NAME: L2-WS-3L35-1D-UNV-4-STD.IES CCT: (LD1) LED 3500K LUMENS: 4912 Lm WATTS: 46.3 W EFFICACY: 106 Lm/W TEST NO.: P183743 52% UP / 48% DOWN 0° (H) - - - - - 90° (L) _____</p>		<p>FILE NAME: L2-WS-3L35-1D-UNV-4-STD-DM8.IES CCT: (LD1) LED 3500K LUMENS: 4739 Lm WATTS: 46.3 W EFFICACY: 102 Lm/W TEST NO.: P183728 71% UP / 29% DOWN 0° (H) - - - - - 90° (L) _____</p>
	<p>FILE NAME: L2-WS-3L35-1D-UNV-4-STD-DM5.IES CCT: (LD1) LED 3500K LUMENS: 4679 Lm WATTS: 46.3 W EFFICACY: 101 Lm/W TEST NO.: P183758 39% UP / 61% DOWN 0° (H) - - - - - 90° (L) _____</p>		

Energy and Performance Data

4' - E2 WaveStream Light Level Outputs and Distributions (3500K)						
Series	Light Level	Delivered Lumens	Wattage	Efficacy LPW	Distribution	
					%Up	%Down
I2-WS	1	2963	26.1	114	50%	50%
	2	3697	35.5	104		
	3	4912	46.3	106		
	4	6075	63.7	95		
	5	7214	79.2	91		
I2-WS w/ DM5	1	2822	26.1	108	40%	60%
	2	3521	35.5	99		
	3	4679	46.3	101		
	4	5787	63.7	91		
	5	6872	79.2	87		
I2-WS w/ DM8	1	2859	26.1	110	70%	30%
	2	3567	35.5	100		
	3	4739	46.3	102		
	4	5862	63.7	92		
	5	6961	79.2	88		

Nominal Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
25°C	>81%	181,000