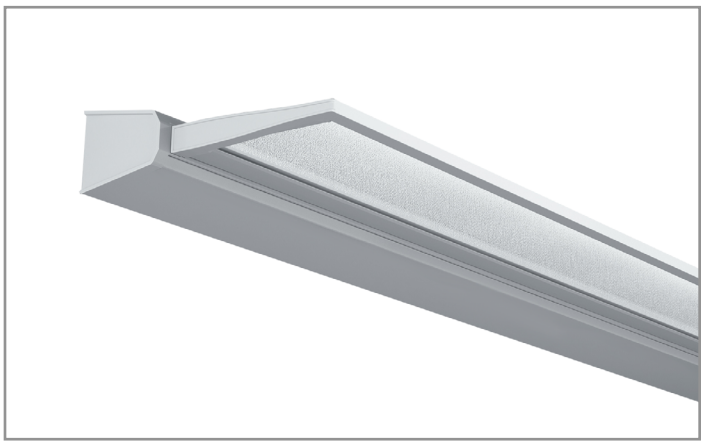
Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Corelite

Divide - DWI

WaveStream™ LED
Wall Mounted
Direct / Indirect

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

Product Certification

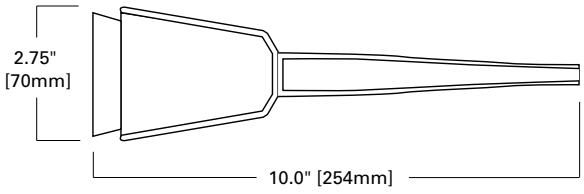
Product Features

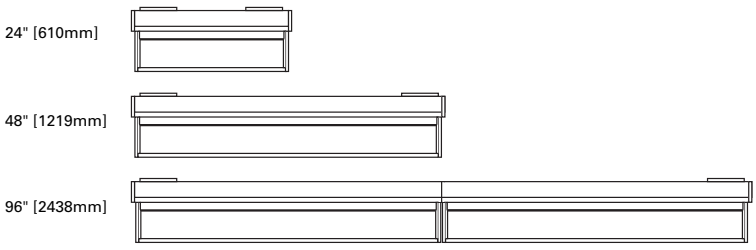
Connected Systems · damp location · powered by fifthlight

Top Product Features

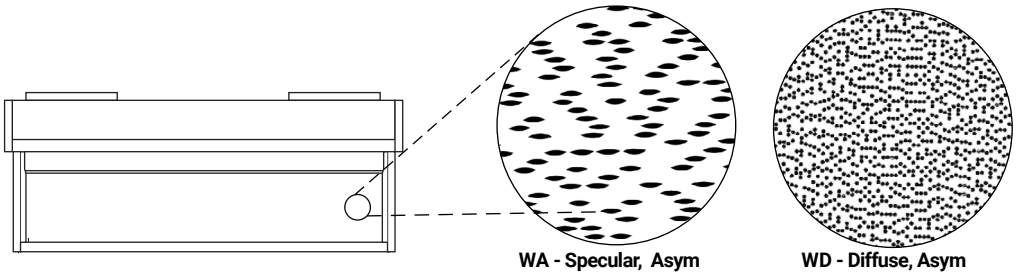
- Available in 2', 4', 8', and Continuous runs
- Leverages our patented WaveStream™ Technology with AccuAim™ optics
- Advanced optical control with asymmetric throw
- Modern, ultra-shallow design
- Available in 2', 4', 8', and Continous runs
- Options to meet Buy American Act requirements

Dimensions and Fixture Lengths





WaveStream Accu-Aim Optic Patterns



Order Information

SAMPLE ORDER NUMBER: **DWI-WA-40L835-1D-UNV-STD-WAA-DC-W-WM-16**

Domestic Preference	Series	Shielding	Lumen Package Nominal per 4' section	CRI	Color Temperature	Number of Circuits	Additional Circuiting	Input Voltage
[Blank]=Standard **BAA**=Buy American Act	**DWI**=Divide Wall Direct/ Indirect	**WA**=WaveStream Specular Optic, Asymmetric **WD**=WaveStream Diffuse Optic, Asymmetric	**15L**=1,500 Lms (375 lms/ft) **25L**=2,500 Lms (625 lms/ft) **30L**=3,000 Lms (750 lms/ft) **40L**=4,000 Lms (1000 lms/ft) **50L**=5,000 Lms (1250 lms/ft) **65L**=6,500 Lms (1625 lms/ft)	**8**=80+CRI **9**=90+CRI	**30**=3000K **35**=3500K **40**=4000K **50**=5000K	**1**=Single Circuit	**D**=None (Default Dimming) **E**=Emergency Circuit **S**=Secondary Circuit **N**=Emergency + Secondary Circuit	**120**=120V **277**=277V **UNV**=Universal (120V-277V) **347**=347V
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.			**Notes** Refer to performance table on page 3 for more detail.	**Notes** Additional lead-time may apply for 930, 935, and 940 configurations.		**Notes** Refers to wiring in cross section.	**Notes** Secondary circuit not available with integrated sensor options.	**Notes** 347V available with STD 0-10V driver option. 347V not available with 15L and 25L lumen packages in 2' unit length.

Driver/Dimming Options	Integral Sensor	Integral Emergency Devices	Top Cover	Finish	Mounting	Run Length
STD=Standard 0-10V (1%-100%) **SR**=Sensor Ready (1%-100%) **5LT**=Fifth Light DALI (5%-100%) **5LTHD**=Fifth Light DALI (1%-100%) **LH**=Lutron HiLume 1% EcoSystems **L5**=Lutron 5-Series 5% EcoSystems	**WAA**=WaveLinx Wireless Integrated Sensor **WAB**=WaveLinx Lite Wireless Integrated Sensor **LWIPD1**=Enlighted Wireless Integrated Sensor	**EL14W**=14-watt, 120V-277V Emergency Battery Pack **BSL310**=12-watt, 120V-277V Emergency Battery Pack	**DC**=Dust Cover **FC**=Frosted Cover **SC**=Solid Cover (100% Down) **(blank)**=No Cover	**W**=White **S**=Silver **B**=Black **CC**=Custom Color	**WM**=Wall Mount - Junction Box	**2**=2 ft **4**=4 ft **8**=8 ft **XX**=Specify Row Length
Notes 5LT / LH / L5 driver options not available in 2' unit length. 5LT / LH / L5 driver options driver not available with 15L lumen package.	**Notes** WAA and WAB Sensor option not available in 2' unit length. WAA and WAB sensor must be used with "STD" driver. LWI sensor must be used with "SR" sensor ready driver. Consult factory for emergency circuit option with integrated sensor option. SWPD1 has been renamed to WAA, but remains the same sensor.	**Notes** Battery pack option not available in 2' unit length.				**Notes** See 'Standard Row Configurations' table on Page 3 for continuous row length breakdowns.

Product Specifications

Construction

- 2-3/4" x 10" housing constructed of extruded aluminum and die-formed, code gauge cold rolled steel

End Caps

- Precision engineered die cast end caps
- Attach mechanically to the end of the fixture without exposed fasteners
- End cap adds 1/2" at each end

Lengths

- Available in 2-ft, 4-ft, and 8-ft sections
- All sections are modular eliminating the need for starter, joiner and end sections
- See Standard Row Configurations table below for continuous row length breakdowns

Finish

- Electrostatically applied polyester powder coat paint in white, silver, or black. RAL custom colors are available

Mounting

- Fixture mounts directly to structure over a 2"x 4" standard electrical box mounted horizontally into the wall
- Continuously wired with push-in connectors for fast installation
- Fixtures can be joined for straight continuous
- Refer to installation instructions for further installation details

Shielding / Optics

- Optical grade acrylic embedded with patented Accu-Aim™ micro-optics for optimal distribution, low glare, and high performance
- Specular (WS) or diffuse (WD) optical patterns are available to achieve the right look for any application
- Dust Cover (DC) option is a clear formed polycarbonate
- Frosted Cover (FC) option is a frosted formed polycarbonate
- Solid Cover (SC) option is a high reflectance white powder coat painted steel reflector for 100% downlight

LED and Light Engine

- LED's are available in 3000K, 3500K, 4000K
- Lumen output will be affected - please refer to the lumen adjustment factor table
- LED system coupled with integral electronic drivers to deliver optimal performance
- 347V 0-10V drivers are available
- Dimming wires come standard but can be capped in the field for standard switched operation

Integrated Controls

- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- Enlighted sensor compatible for IoT capability
- WaveLinx Lite compatible for out-of-the-box functionality

Emergency Options

- Optional 120V-277V integral emergency battery pack is 14W maximum, 90 minute output, and powers a 4-foot section
- Test switch/indicator button located on the top side of the luminaire
- Patented EZ Key prevents accidental discharge of the battery during construction
- For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 14 = 1400 lumens)
- The combination of integrated sensor and emergency circuit options require an EPC UL924 bypass relay that disables sensor control of emergency sections when normal power is lost
- Emergency section wiring and UL 924 emergency/ generator transfer options available – consult factory for details

Weight

- 3.5 lbs per foot

Compliance

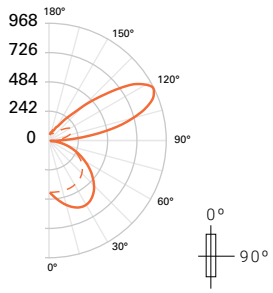
- cULus listed for damp locations , 25°C ambient environments
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards

Warranty

- Five year warranty standard. www.cooperlighting.com/legal

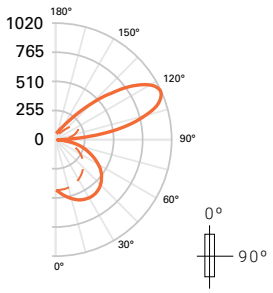
Photometric Data

View IES files



FILE NAME: DWI-WA-40L835-1D-UNV-4.IES
LAMP: (LD2) LED 3500K
LUMENS: 3952 Lm
WATTS: 31.8 W
EFFICACY: 124 Lm/W
TEST NO.: ITL89479

45% UP / 55% DOWN
0° (II)
90° (I)



FILE NAME: DWI-WD-40L835-1D-UNV-4.IES
LAMP: (LD2) LED 3500K
LUMENS: 4021 Lm
WATTS: 31.8 W
EFFICACY: 126 Lm/W
TEST NO.: ITL89479

46% UP / 54% DOWN
0° (II)
90° (I)

Note: Refer to IES files for more product data.

Energy and Performance Data

Divide Wall LED Light Level Outputs and Distributions (3500K, 80 CRI)								
Series	Lumen Package	Delivered Lumens		Wattage		Efficacy LPW	Distribution	
		4FT	Per FT	4FT	Per FT		% Up	% Down
DWI-WA	15L	1473	368	11.5	2.9	128	45%	55%
	25L	2476	619	19.0	4.8	130		
	30L	2974	744	23.1	5.8	129		
	40L	3952	988	31.8	8.0	124		
	50L	4897	1224	41.3	10.3	119		
	65L	6243	1561	57.1	14.3	109		
DWI-WD	15L	1499	375	11.5	2.9	130	46%	54%
	25L	2519	630	19	4.8	133		
	30L	3026	757	23.1	5.8	131		
	40L	4021	1005	31.8	8.0	126		
	50L	4983	1246	41.3	10.3	121		
	65L	6352	1588	57.1	14.3	111		

Lumen Adjustment Factors

CCT	80 CRI	90 CRI
3000K	0.955	0.830
3500K	1.000	0.861
4000K	1.012	0.883

Example Calculation:
WA / 40L / 3500K / 80 CRI
Lumen Output selected = 988 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = 0.861
Adjusted Lumen Output = 988 lms/ft x 0.861 = 851 lms/ft

Color Data (3500K)

		80CRI
TM-30-15	R_f	82.3
	R_g	94.4
CRI/CIE	R_a	84.0
	R_9	17.2

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	>85%	154,000

Standard Row Configurations

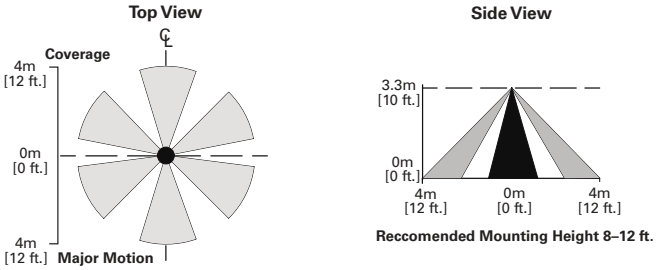
Fixture Length	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'	44'	46'	48'
2'	1		1		1		1		1		1		1		1		1		1		1		1	
4'		1	1			1	1			1	1			1	1			1	1			1	1	
8'				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6

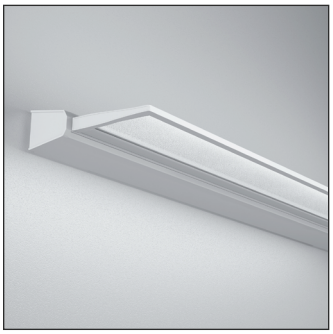
Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- Enlighted
- iLumin Plus
- VividTune

Connected Systems CLICK HERE

The Divide with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The Divide delivers superior lighting with integrated occupancy and daylighting controls. For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed. When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings. The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.
For additional information integrated sensors and connected lighting, please visit Cooper Lighting Solutions' Connected Lighting Website.





Sensor Integration

Integrated sensors are located in the middle of each 8' section and on the end of 4' sections for individual and continuous runs. Each section can be individually controlled or grouped together with the integrated sensors.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.




	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

SCALABILITY

devices → areas → floors → buildings

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