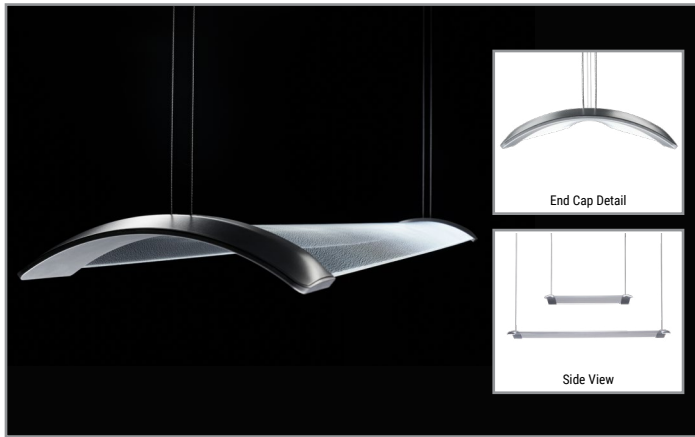


Project		Catalog #		Type	
Prepared by		Notes		Date	



Neo-Ray

Covera

WaveStream™ LED
Suspended Direct / Indirect

Typical Applications

- Hospitality • Retail • Architectural • Educational • Office • Sports Venues
- Multi-Use Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Driver Table page 4
- Mounting page 5
- Product Warranty

Product Certification



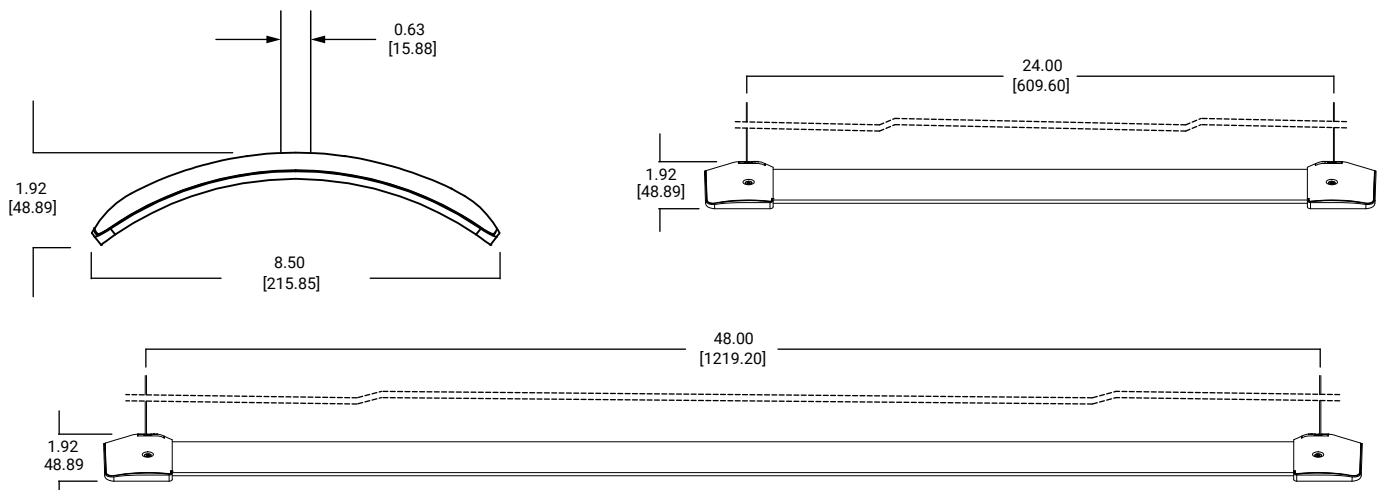
Product Features



Top Product Features

- Curved WaveStream™ panel coupled to a high-performance LED light engine
- Laser-precise AccuAim™ optics arranged in exacting patterns
- Unparalleled brightness control while delivering optimal distributions tailored to the fixture and application
- Luminaires are available in 2 foot or 4 foot lengths
- Variety of custom finishes and mounting options to integrate seamlessly into the space

Dimensions



*Refer to Mounting section for driver enclosure dimensions

Order Information

SAMPLE ORDER NUMBER: S930DIP-W235-PT4-UDD-W

Series	Optics	Light Level (Nominal Lms)	CCT	Ceiling Type	Length
Series	Optics	Light Level (Nominal Lms) ⁽⁵⁾	CCT	Ceiling Type	Length ⁽⁶⁾
S930DIP =Covera Direct / Indirect Pendant	W =Wavestream 40% Up / 60% Down	1 =Light Level 1 [0.8k lms (2ft), 1.6k lms (4ft)] ⁽¹⁾ 2 =Light Level 2 [1.0k lms (2ft), 2.1k lms (4ft)] ⁽¹⁾ 3 =Light Level 3 [1.6k lms (2ft), 3.2k lms (4ft)] ⁽¹⁾ 4 =Light Level 4 [2.2k lms (2ft), 4.3k lms (4ft)] ⁽¹⁾ 5 =Light Level 5 [2.6k lms (2ft), 5.2k lms (4ft)] ⁽¹⁾	27 =2700K (90CRI) 30 =3000K (85+CRI) 35 =3500K (85+CRI) 40 =4000K (85+CRI)	GD =On-Grid (includes teg) PT =PiercedTile Grid SF =Sheet Rock Flush (Mud Flange) ST =Structure Mount	2 =2ft Universal 4 =4ft Universal
Notes	Notes	Notes (1) Consult driver table for valid Driver & Light Level configurations. (5) Additional light levels available. Please consult factory for specific details.	Notes	Notes Included LuxWire suspension and power cables are 120in (10ft) as standard.	Notes (6) All lengths are nominal.

Voltage	Driver Options	Finish	Integral Emergency	Options
Voltage	Driver Options	Finish ⁽⁹⁾	Integral Emergency ⁽⁷⁾	Options
U =Universal 120-277 VAC 3 =347 VAC ⁽³⁾ 48 =48 VDC ⁽⁴⁾	DD =Standard 0-10V (1%-100%) 5LT =Fifth Light DALI (1%-100%) ⁽¹⁾⁽⁷⁾ LH =Lutron LDE1 w/Ecosys ⁽¹⁾⁽⁷⁾ LV1 =DLVP Driver ⁽¹⁾⁽⁴⁾⁽⁷⁾	W =White Powder Coat S =Silver Powder Coat B =Black Powder Coat CC =Custom Color (RAL) ⁽⁷⁾ CM =Custom Match ⁽⁷⁾ HC =Custom Hydrographic ⁽⁷⁾⁽⁸⁾	EL7W =Integrated 7W Battery Pack ⁽²⁾ EL14W =Integrated 14W Battery Pack ⁽²⁾ RRU =UL924 EPC Emergency Bypass Relay ⁽²⁾	CP =Chicago Plenum WLST =WaveLinX Lite Tilemount Sensor ⁽⁷⁾ WPST =WaveLinX Pro Tilemount Sensor ⁽⁷⁾ LWT =Tilemount Enlighted Wireless Sensor ⁽⁷⁾
Notes (3) Voltage selection of 347VAC only valid with Driver option DD3. (4) Voltage selection of 48VDC only valid with DLVP Driver option LV1. Not available as standard product on structure mount configuration – contact factory if required. Integrated 347V driver with STD 0-10V option only.	Notes (1) Consult driver table for valid Driver & Light Level configurations. (3) Voltage selection of 347VAC only valid with Driver option DD3. (4) Voltage selection of 48VDC only valid with DLVP Driver option LV1. Not available as standard product on structure mount configuration – contact factory if required. (7) Consult factory for availability. Additional lead time may apply. LV1 : Consult WaveLinX Low-Voltage or DLVP system pages for additional details and compatibility	Notes (7) Consult factory for availability. Additional lead time may apply. (8) Additional finishes are available that utilize water transfer printing of hydrographic films and automotive grade paint. Consult factory for availability and lead time. (9) Grid clip cover, sheet rock cover, and surface mount cover plate ship as standard with white powder coated finish. Contact factory for additional options.	Notes (2) EL7W and EL14W require Voltage selection U = Universal or 48 = 48VDC. RRU option requires U = Universal. RRU not available with integral sensor and DLVP. Type GD/PT (all lengths) - Battery/RRU internal and pre-wired - battery test switch can be tile-mounted or mounted in the cover of a junction box Type SR/SF/ST (4ft length) - Battery/RRU internal and pre-wired, battery test switch is internally mounted. Type SR/SF/ST (2ft length) - Contact factory for availability. Battery pack is external, pre-wired with flexible conduit, remote test switch can be tile-mounted or mounted in the cover of a junction box. RRU not available. (7) Consult factory for availability. Additional lead time may apply.	Notes (7) Consult factory for availability. Additional lead time may apply. All Sensors are mounted in the ceiling

Product Specifications

Construction

- Cast metal housing
- Nominal 2' and 4' individual fixture lengths

Optics

- Curved optical grade acrylic embedded with patented WaveStream Accu-Aim™ optics for optimal distribution, excellent uniformity, and high performance
- Light engine becomes virtually clear in the off-state

Finish

- Fixture housing trims are finished with an electrostatically applied polyester powder coat paint for long lasting durability
- Optional architectural hydrographic finishes are also available

Mounting

- Grid, Pierced-Tile, Surface, Sheetrock and Flangless Sheetrock

Electrical

- Long-life LED system powered by a remote driver through low-voltage aircraft cable to deliver optimal performance
- LEDs are available in 2700K (90CRI), 3000K, 3500K or 4000K with a typical CRI ≥ 85
- PL90 > 60,000hrs
- Electronic drivers are available for 120-277V and 347V applications

Controls

- Equipped standard with a 0-10V continuous dimming driver compatible with most standard dimming devices (refer to website for specific compatibility reference)
- Combine with FifthLight DALI and other energy saving products like sensors, daylighting controls and building management systems to maximize energy savings

Compliance

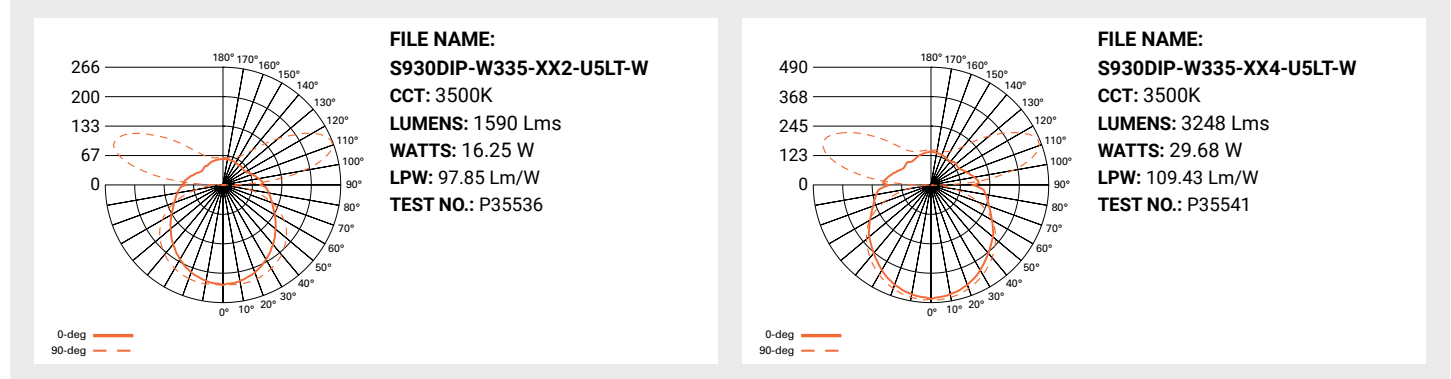
- cULus listed for damp locations
- IC rated
- Tested to IESNA LM-79 and LM-80
- For Chicago plenum, specify CP in fixture options

Warranty

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

Photometric Data

All data certified to LM-79 standards in a NAVLAB approved testing facility



LUMEN MAINTENANCE @ 25°C

Fixture Length	Light Level	TM-21 Lumen Maintenance ¹ (60,000 hours)	Theoretical L70 ² (Hours)
2'	1, 2, 3, 4, 5	94.29	452,000
4'	1, 2, 3	94.29	452,000
4'	4	92.93	365,000
4'	5	90.50	247,000

Notes: (1) Supported by IES TM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

LUMEN PACKAGE DETAIL (3500K)

Fixture Length	Light Level	Total Lumen Output (lms)	Power Consumption (W)	Efficacy (LPW)
2'	1	790	9.42	83.86
	2	1059	11.63	91.06
	3	1590	16.25	97.85
	4	2198	22.08	99.55
	5	2660	25.90	102.70
4'	1	1629	15.32	106.33
	2	2157	19.90	108.39
	3	3248	29.68	109.43
	4	4361	41.01	106.34
	5	5205	50.22	103.64

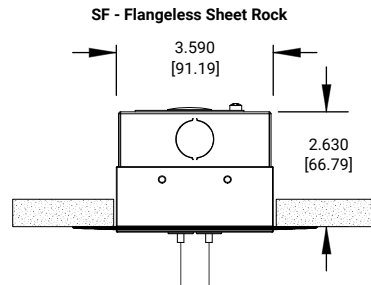
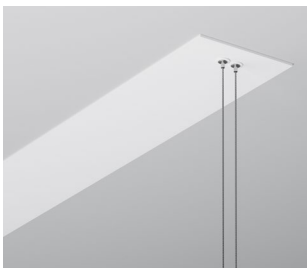
DD & SLT Driver, Data from Test Reports P35533, P35535-P35543

Driver Table

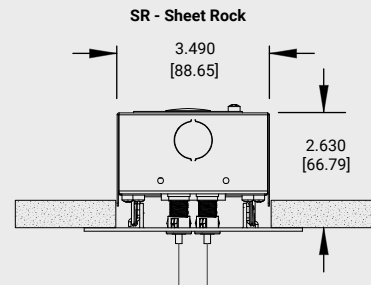
# of Drivers	2ft Fixture (Light Level & Total Lumens)					4ft Fixture (Light Level & Total Lumens)				
	L1 = 750Lms	L2 = 1k Lms	L3 = 1.5k Lms	L4 = 2k Lms	L5 = 2.5k Lms	L1 = 1.5k Lms	L2 = 2k Lms	L3 = 3k Lms	L4 = 4k Lms	L5 = 5k Lms
STD	1	1	1	1	1	1	1	1	1	1
5LT	1	1	1	1	1	1	1	1	1	1
LH	N/A	N/A	N/A	1	1	N/A	1	1	1	1
LV1	1	1	1	1	N/A	1	1	N/A	N/A	N/A
SR	1	1	1	1	1	1	1	1	1	1

Mounting

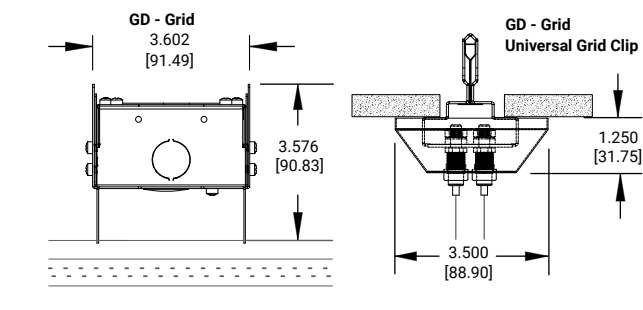
Flangeless Sheetrock



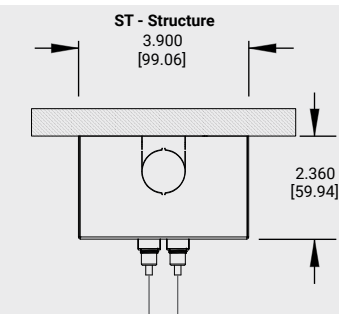
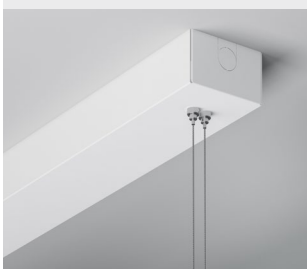
Sheetrock



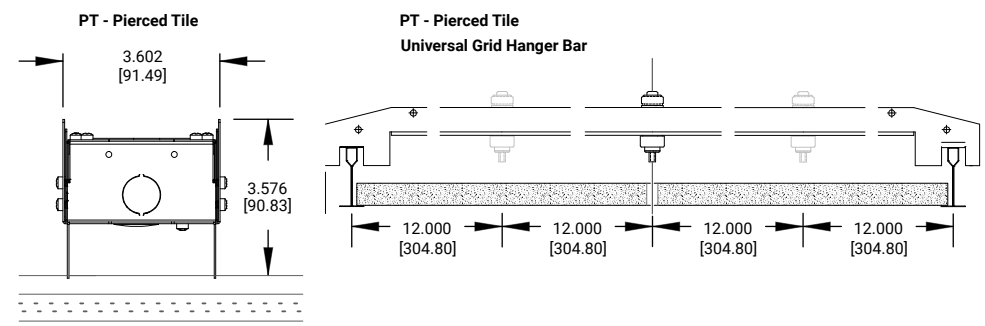
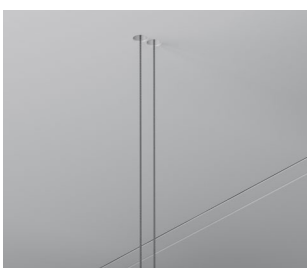
Grid



Structure



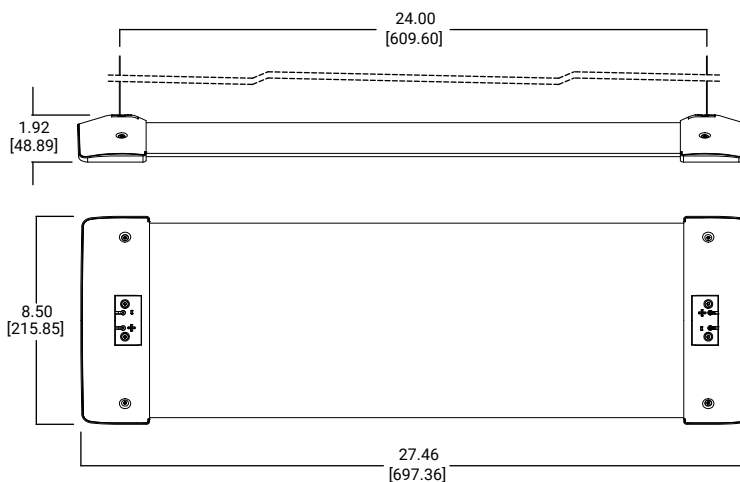
Pierced Tile



Grid clip cover, sheet rock cover, and surface mount cover plate ship as standard with white powder coated finish. Contact factory for additional options.

Dimensions

2' Individual Fixture



4' Individual Fixture

