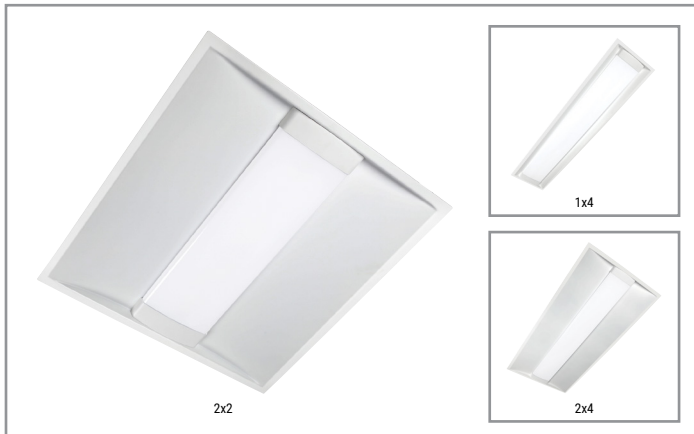


Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Achieva™ Selectable Center Basket NUV (Canada Only)

Achieva™ Selectable Lumens and CCT Troffer
1x4 / 2x2 / 2x4

Typical Applications

Offices • Education • Healthcare • Retail

Interactive Menu

- Order Information/Performance page 2
- Photometric Data page 3
- Product Specifications page 4
- Control Solutions page 5
- Product Warranty

Product Certification



Product Features

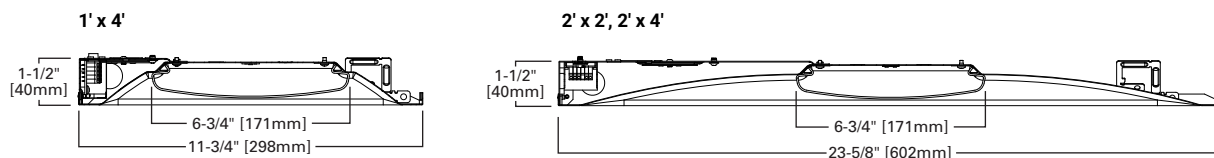


Top Product Features

- Selectable lumens (low/medium/high) and selectable CCT (3500K/4000K/5000K) for use in a variety of applications and stock simplicity
- Selectable lumens offered in both standard selectable and high output selectable options
- Shallow plenum - 1.5" depth fits the most challenging spaces
- 0-10V dimming to 5% standard with 120-347V NUV driver
- Fully assembled driver integrated without exposed wires in the plenum.
- Emergency, Wavelinx, and Flex options available
- Integrated grid clips with holes for retaining wire and end hole to enable secure attachment to the grid where required
- Matches Achieva Surface for one family look across a space (Coming Q4)

Achieva Dimensions

(Full Dimensions on Page 3)



Ceiling Compatibility

G	G	G	Ceiling Type	Trim Type
Grid/Lay-in Standard	Concealed T	Slot Grid	Exposed Grid	Standard
			Concealed T	Standard
			Slot Grid	Standard
			Flange	*

*See Drywall Frame Kit Accessory in Ordering Information Section

See page 4 for Junction Box details for ARS

additional product diagrams



Achieva Ordering Information/Performance

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)	Glare Performance	
								UGR ⁽¹⁾	Max Luminance ⁽¹⁾
2x4	24ARS-L3C3-NUV	Low	3500K	80	3436	24.6	140	19.0	1717
			4000K	80	3581	24.1	149	19.2	1790
			5000K	80	3597	24.9	144	19.2	1798
		Medium	3500K	80	4610	34.2	134	20.0	2304
			4000K	80	4816	33.2	145	20.2	2407
			5000K	80	4749	34.3	138	20.2	2374
		High	3500K	80	5887	45.9	128	20.9	2942
			4000K	80	6202	44.2	140	21.1	3100
			5000K	80	6078	46.3	131	21.0	2998
2x2	22ARS-L3C3-NUV	Low	3500K	80	2766	20.5	135	20.5	2519
			4000K	80	2859	20.0	142	20.6	2604
			5000K	80	2841	20.7	137	20.6	2587
		Medium	3500K	80	3578	27.4	130	21.4	3259
			4000K	80	3728	26.5	140	21.6	3395
			5000K	80	3648	27.5	133	21.5	3323
		High	3500K	80	4458	35.0	127	22.1	4060
			4000K	80	4721	33.8	140	22.3	4300
			5000K	80	4593	35.5	129	22.3	4183
1x4	14ARS-L3C3-NUV	Low	3500K	80	2810	20.3	138	20.2	3103
			4000K	80	2910	19.9	146	20.4	3213
			5000K	80	2893	20.5	141	20.3	3195
		Medium	3500K	80	3657	27.2	134	21.1	4039
			4000K	80	3799	26.4	144	21.3	4184
			5000K	80	3733	27.3	136	21.2	4122
		High	3500K	80	4793	35.2	136	22.2	5293
			4000K	80	5036	33.9	148	22.3	5561
			5000K	80	4875	35.4	138	22.2	5383

Notes:

(1) UGR values per CIE 190:2010 with 4H, 8H, Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane.

Luminance measured at 45-90 degrees from nadir.

UGR and Luminance values that meet WELL v2 L04 requirements for Managing Glare are shown with green highlighted cell (UGR < 16, Luminance < 6,000).

UGR and Luminance values that meet LEED v4.1 requirements for Glare Control are shown with green text (UGR < 19, Luminance < 7,000).

Key

	Meets WELL v2
TEXT	Meets LEED v4.1

Achieva options

Catalog	Description	Example	Notes
EL7W	7W EM Pack, Installed	22ARS-L3C3-UNV-EL7W	Integrated Indicator/Test Switch into end cap
EL14W	14W EM Pack, Installed	24ARS-L3C3-UNV-EL14W	Integrated Indicator/Test Switch into end cap
A3/8-5/18GDIM	6' Length, 3/8" Cable, 3 Wire, 3 Dimming Leads, Ground	24ARS-L3C3-UNV-A3/8-5/18GDIM	
EL7W-A3/8-5/18GDIM EL14W-A3/8-5/18GDIM	7W/14W EM Pack, Installed, and 6' Flex, 3/8" Cable, 3 Wire, 2 Dimming Leads, Ground	24ARS-L3C3-UNV-EL7W-A3/8-5/18GDIM 22ARS-L3C3-UNV-EL14W-A3/8-5/18GDIM	EL7W and EL14W only use 5/18G flex with emergency. EM pack is always specified before (to the left of) the flex, in the catalog number.
WLS	WaveLinX LITE Wireless Integrated Sensor	22ARS-L3C3-UNV-WLS	Sensor Integrated into end cap
WPS	WaveLinX PRO Wireless Integrated Sensor	24ARS-L3C3-UNV-WPS	Sensor Integrated into end cap

*Battery and Sensor option for 120-277V applications only. UNV model will be used and shipped out of the USA. Please use UNV catalog logic as shown in table above.

Achieva Shipping Data

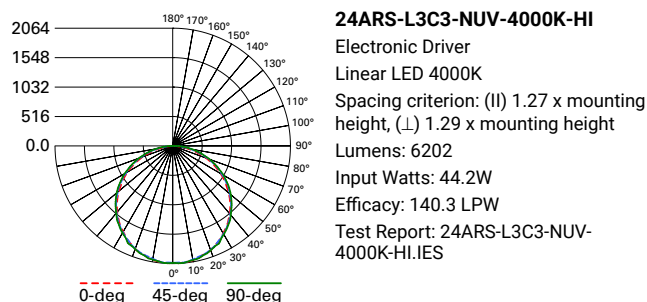
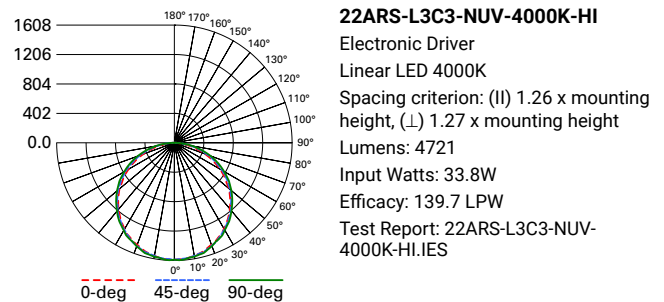
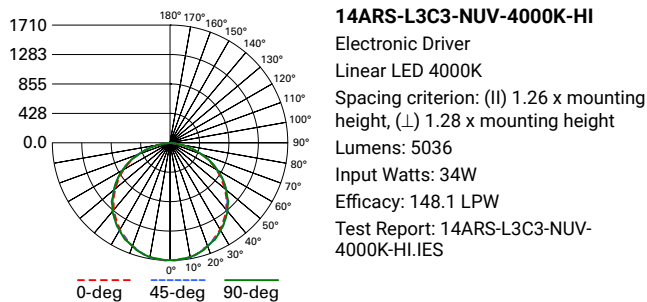
Size	Fixture Net Weight	Fixture Gross Weight	Fixture Dimension	Carton Dimension	Fixtures per Carton	Pallet QTY (Cartons)	Pallet QTY (Fixtures)
2' x 2'	6.8 lbs.	9 lbs.	23.7" L x 1.8" W x 23.7" H	25.7" L x 2.8" W x 26.2" H	1	54	54
2' x 4'	11.3 lbs.	15.8 lbs.	47.7" L x 1.8" W x 23.7" H	50.4" L x 2.8" W x 26" H	1	27	27
1' x 4'	7 lbs.	10.2 lbs.	47.7" L x 1.8" W x 11.7" H	50.4" L x 2.8" W x 15.2" H	1	27	27

Accessories

Accessories (order separately)

DF-14W-U=1' x 4' Drywall Frame Kit
DF-22W-U=2' x 2' Drywall Frame Kit
DF-24W-U=2' x 4' Drywall Frame Kit
SK-22-WS=2' x 2' Shallow Surface Mount Kit
SK-24-WS=2' x 4' Shallow Surface Mount Kit
SK-14-WT=1' x 4' Tall Surface Mount Kit
SK-22-WT=2' x 2' Tall Surface Mount Kit
SK-24-WT=2' x 4' Tall Surface Mount Kit

Photometric Data

[View IES files](#)


Achieva Product Specifications

Construction

- Die formed of code gauge prime cold rolled steel in one-piece housing design
- Four auxiliary fixture end suspension points
- Integral formed one-piece housing improves aesthetic design removing end plate light gaps
- Integrated T-Grid clip design for screw installation to the grid where required by code and in "earthquake" zones

Integrated Controls

- Standard 0-10V dimming driver down to 5%
- Integrated WaveLinX options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinX control system

LED and Light Engine

- Selectable Color temperature choices 3500K, 4000K, and 5000K
- Selectable lumen output up to 8000 lumens, with choices of low, medium, high
- TM21 life at 60,000 hours up to L94 and calculated L70 exceeds 290,000 hrs.
- Driver 120-347V Standard

Emergency Options

- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Factory installed integral test switch visible from room side

Finish

- Powder Coat matte white
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

Shielding

- Rounded ribbed frosted lens standard
- Square ribbed frosted option coming Q1 (Consult Factory)

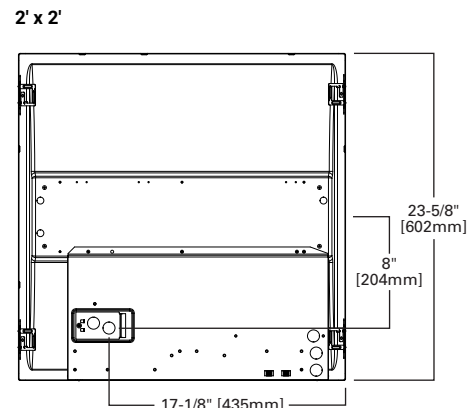
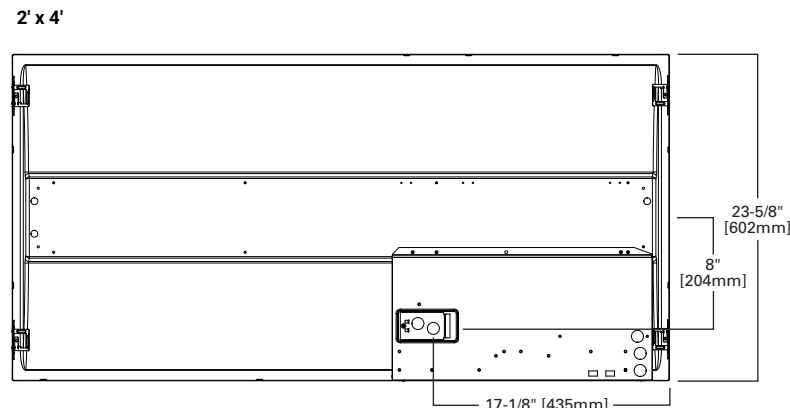
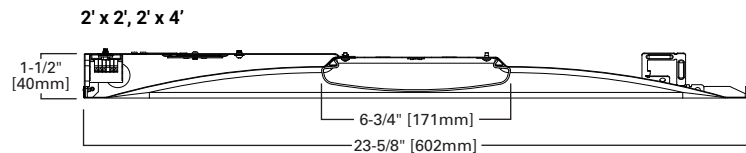
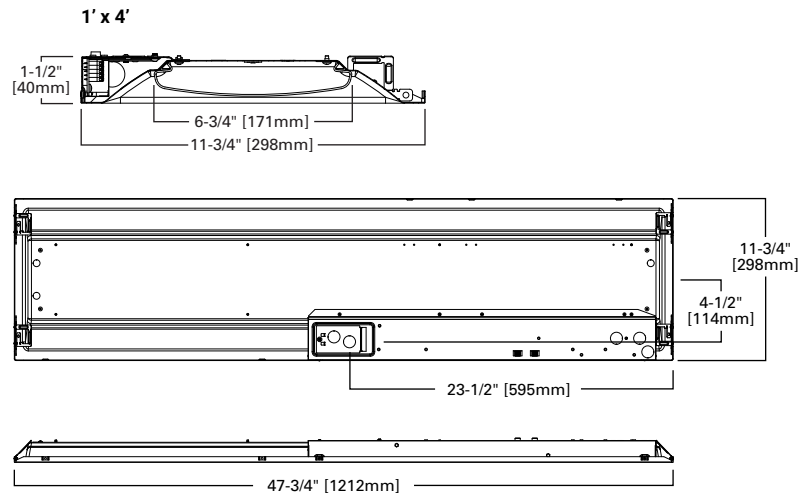
Compliance

- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- Can be use for Non-residential T24
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

Limited Warranty

- Five-year warranty standard. Optional ten year warranty available.

Dimensional and Mounting Details



Control Solutions

- WaveLinX LITE wireless
- WaveLinX PRO wireless
- WaveLinX CAT wired
- WaveLinX Wired



The ARS with WaveLinX offers no-hassle lighting control with multiple luminaire level control solutions.



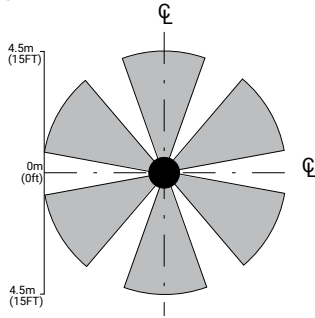
WaveLinX PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinX PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinX CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinX PRO offers a rich portfolio of wireless devices, WaveLinX PRO-enabled luminaires, and an intuitive WaveLinX mobile app for office, education, warehouse, and parking garage applications.



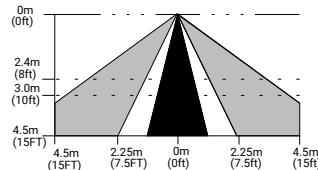
WaveLinX LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

Integrated Sensor Coverage Pattern

TOP VIEW:

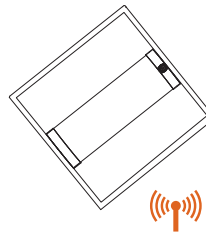


SIDE VIEW:

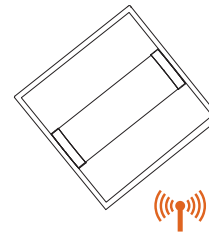


Note: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.

With Integrated WaveLinX Sensor



With Integrated WaveLinX Node



Add a hidden WaveLinX sensor node (WPN, WLN) to your space lighting design!

Allows to:

- Keeps luminaire aesthetics
- Connect fixtures without the real estate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

Integrated Controls Options

Option	Out of the Box Functionality	Luminaire Level Lighting Control (LLC)	Automatic Dimming Photocell	Occupancy Sensing	CCT Control
WLS	X	X	X	X	
WLN		X			
WPS		X	X	X	X
WPN		X			X

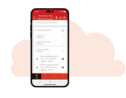
Note: WaveLinX utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinX, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control.

Systems comparison chart

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



Luminaire with standalone sensor



Standalone Spaces WaveLinX LITE



Standalone Spaces WaveLinX CAT



Networked Spaces WaveLinX PRO



Enterprise WaveLinX CORE

	Luminaire with standalone sensor	Standalone Spaces WaveLinX LITE	Standalone Spaces WaveLinX CAT	Networked Spaces WaveLinX PRO	Enterprise WaveLinX CORE
Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinX LITE Mobile App	WaveLinX CAT Mobile App	WaveLinX Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT