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

Metalux

Accord 14AC LED

1' x 4' Specification Grade LED Troffer

Typical Applications
Office • Education • Healthcare • Retail

Interactive Menu

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- Photometric Data page 3
- Control Solutions page 3
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- Product Warranty

Product Certification

UL CERTIFIED SAFETY · DLC QPL PREMIUM · DLC QPL LISTED · RoHS COMPLIANT · IC RATED · BAA BUY AMERICAN ACT · ISO SYSTEMS CERTIFIED

Product Features

Connected Systems · damp location · LINEAR DISCONNECT Safe and convenient means of disconnecting power · MWS MODULAR WIRING SYSTEM CLICK HERE
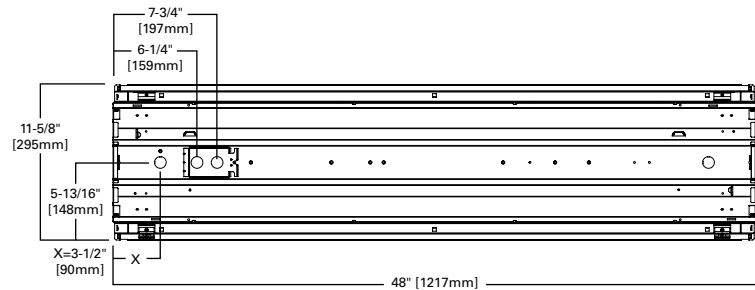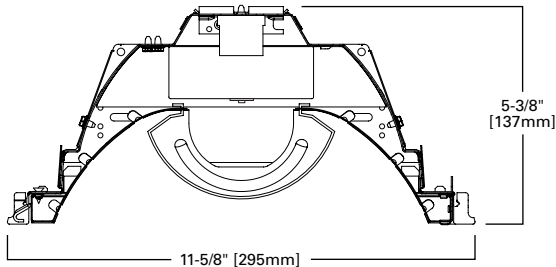
Top Product Features

- Available in 1' x 4', 2' x 2' and 2' x 4' recessed & surface versions
- Advanced optical control
- High performance efficacy up to 127 lumens per watt
- Over 60% energy savings when compared to fluorescent troffers
- Three CCT options: 3000K, 3500K and 4000K at 85 CRI
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details

5-3/8" [137mm]

11-5/8" [295mm]

7-3/4" [197mm]

6-1/4" [159mm]

11-5/8" [295mm]

5-13/16" [148mm]

X=3-1/2" [90mm]

48" [1217mm]

NOTE: 1' x 4' allows for row mounting

Ceiling Compatibility

G
Grid/Lay-in Standard

F
Drywall Frame Kit

Ceiling Type**	Trim Type
Exposed Grid	G
Concealed T	G or T
Slot Grid	G or T
Flange	***

Order Information

SAMPLE ORDER NUMBER: **14AC-LD5-35-UNV-L835-CD1-U**

Domestic Preferences	Rating	Series	Type	Lamp Type	MTO Lumen Output	Shielding	Voltage

Domestic Preferences (1)	Rating	Series (2)	Type	Lamp Type	MTO Lumen Output	Shielding	Voltage (4)
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**[Blank]**=Standard **ATW-SW4**=Chicago Rated	**14AC**=1x4 Accord Series	**[Blank]**=Standard **A**=Air (vented) (3)	**LD5**=LED 5.0	**20**=2000 Lumens **25**=2500 Lumens **29**=2900 Lumens **35**=3500 Lumens **39**=3900 Lumens **44**=4400 Lumens	**[Blank]**=Standard Lens **SQP**=Lens with Square Pattern Insert **RDP**=Lens with Round Pattern Insert	**UNV**=Universal Voltage 120-277 **347V**=347 Volt (5) **48V**=48 Volt Low-voltage (Class 2) (C) **120V**=120 Volt (6) **277V**=277 Volt (6)
Notes (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		**Notes** (2) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.	**Notes** (3) Air versions are not designed for continuous row mount applications. Air version is vented but does not meet air handling requirements. Integrated sensor options not available with Air version.				**Notes** (4) Products also available in non-US voltages and frequencies for international markets. (5) 347V versions are not available with emergency options. (6) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult DLVP system pages for additional details and compatibility.

Emergency Options	CCT	Flex	Driver Type

Emergency Options	CCT	Flex	Driver Type
EL7W=7-watt, 120V-277V emergency battery pack installed (7) **EL14W**=14-watt 120V-277V emergency battery pack installed (7) **ELV7W**=7-watt, DLVP-compatible low voltage emergency battery pack installed (C) **ELV14W**=14-watt DLVP-compatible low voltage emergency battery pack installed (C) **GTR2**=Generator Transfer Relay (8), (9) **ETRD**=Emergency Transfer Relay with dimming control (8)	**L830**=3000K **L835**=3500K **L840**=4000K	**A3/8-4/18DIM**=3/8" Flex with 0-10V Dimming Leads See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (1%-100% Dimming) **SR**=Sensor-ready Dimming Driver (1%-100% Dimming) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (10),(E) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E) **LV1**=DLVP Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50%-100% Dimming) (11) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F)
Notes (7) With integral test switch/indicator/laser test. 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 7=700 lumens). IES-format photometry for luminaire under emergency operation available. Battery option increases total height by 1 inch. (8) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (9) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult DLVP system pages for additional details and compatibility.		**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18DIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (10) 2000, 2500, 2900 and 3500 lumen options are not available with a Fifth Light (5LTD) driver. (11) 2000, 2500, 2900 and 3500 lumen options are not available with Step-dim driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (C) Consult DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com.

Number of Drivers	Integrated Sensing Systems	Sensor Accessories	Packaging	Accessories

Number of Drivers	Integrated Sensing Systems	Sensor Accessories	Packaging	Accessories (order separately) (14)
1=1 Driver	**[Blank]**=No Sensor **WAA**=WaveLinx Wireless Integrated Sensor (A) **SLVPD1**=Low-voltage Integrated Sensor (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (D)	**DV**=Dual Band (12)	**U**=Unit Pack **PALC**=Job Pack, in carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips (13) **DF-14W-U**=1' x 4' Drywall Frame Kit
	Notes Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.	**Notes** (12) Provides blank band on opposite side from sensor band to provide symmetric appearance.		**Notes** (13) An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. (14) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Product Specifications

Construction
- Housing is die-formed of code gauge, prime cold rolled steel
- Heavy gauge endplates are securely attached with screws for strength and rigidity and the elimination of gaps
- Four auxiliary fixture end suspension points provided
- Large access plate for supply connection
- Door assembly hinges down for easy access from below without tools

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx wireless fixture for sensor-less wireless control
- WaveLinx wireless sensor compatible for connected and IoT capability
- SVPD sensor compatible for standalone functionality
- Low-voltage sensor and driver compatible for DLVP applications
- DALI 2.0, Lutron, and step-dimming available

Electrical
- LED's available in 3000K, 3500K or 4000K with a minimum CRI of 80
- Color accuracy ≤3-Step MacAdam ellipse (SDCM)
- Projected life is 60,000 hours at 89% lumen output
- Electronic drivers available for 120-277V and 347V applications

Emergency Battery Options
- Optional 120-277V emergency battery available in 7W or 14W
- 90-minute backup period for code compliance
- Test switch with laser pointer and testing from floor feature for ease of use
- EZ Key feature prevents accidental discharge during construction
- Generator transfer options available

Finish
- Multistage, iron phosphate pretreatment ensure maximum bonding and rust inhibition
- White enamel finish

Reflectors
- High reflectance baked matte white enamel finish for luminous uniformity

Shielding
- Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light
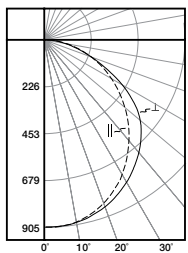
Compliance
- Modules are UL recognized components
- Indoor luminaires are cULus listed for 25ºC ambient environments
- Complies with IESNA LM-79
- LEDs compliant with LM-80 standards
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
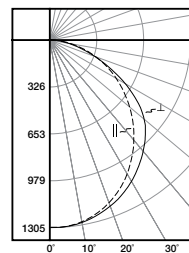
Warranty
- Five-year warranty standard. Optional ten year warranty available.

Photometric Data

View IES files

14AC-LD5-25-UNVL835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.21 x mounting height, (⊥) 1.28 x mounting height
Lumens: 2504
Input Watts: 20.5W
Efficacy: 122.1 LPW
Test Report: 14AC-LD5-25-UNVL835-CD1-U.IES

14AC-LD5-35-UNVL835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.21 x mounting height, (⊥) 1.28 x mounting height
Lumens: 3590
Input Watts: 31.4W
Efficacy: 114.3 LPW
Test Report: 14AC-LD5-35-UNVL835-CD1-U.IES

Energy and Performance Data

Stock or MTO	Catalog Logic (Curved)	Delivered Lumens	Watts	Efficacy (LPW)
MTO	14AC-LD5-20-UNV-L830-CD1-U	2050	16.3	126
MTO	14AC-LD5-20-UNV-L835-CD1-U	2069	16.3	127
MTO	14AC-LD5-20-UNV-L840-CD1-U	2110	16.3	129
MTO	14AC-LD5-25-UNV-L830-CD1-U	2531	20.5	123
MTO	14AC-LD5-25-UNV-L835-CD1-U	2554	20.5	125
MTO	14AC-LD5-25-UNV-L840-CD1-U	2605	20.5	127
MTO	14AC-LD5-29-UNV-L830-CD1-U	2949	24.5	120
MTO	14AC-LD5-29-UNV-L835-CD1-U	2976	24.5	121
MTO	14AC-LD5-29-UNV-L840-CD1-U	3036	24.5	124
MTO	14AC-LD5-35-UNV-L830-CD1-U	3628	31.5	115
MTO	14AC-LD5-35-UNV-L835-CD1-U	3662	31.5	116
MTO	14AC-LD5-35-UNV-L840-CD1-U	3735	31.5	119
MTO	14AC-LD5-39-UNV-L830-CD1-U	4001	35.7	112
MTO	14AC-LD5-39-UNV-L835-CD1-U	4038	35.7	113
MTO	14AC-LD5-39-UNV-L840-CD1-U	4119	35.7	115
MTO	14AC-LD5-44-UNV-L830-CD1-U	4444	41.1	108
MTO	14AC-LD5-44-UNV-L835-CD1-U	4485	41.1	109
MTO	14AC-LD5-44-UNV-L840-CD1-U	4575	41.1	111

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours) [1]	Theoretical L70 (Hours) [2]
25ºC	> 89%	> 178,000

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.

Shipping Data

Catalog No.	Wt.
14AC-LD5-25	22 lbs.
14AC-LD5-35	22 lbs.

Control Systems
- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune

Connected Systems
CLICK HERE

COOPER
Lighting Solutions