

## DESCRIPTION

The Accord™ redefines lighting by improving on aesthetics, comfort and energy savings. The Accord provides the right amount of light while eliminating surface shadows commonly found in parabolics. Therefore, Accord increases the comfort level while providing significant energy savings.

The Accord is the ideal solution for offices, schools, hospitals, retail and other applications. It is designed for installations when the housing will be in direct contact with insulation.

## SPECIFICATION FEATURES

### Construction

Shallow 3-1/4" deep housing is die formed of code gauge, prime cold rolled steel. Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps. End plates have integral grid-lock feature for safety and convenience. Four auxiliary fixture end suspension points are provided. KOs for continuous row wiring. Large access plate for supply connection.

### Controls

Metalux LED luminaires come standard with 0-10V dimming drivers (1% standard).

Options compatible with Eaton's Connected Lighting Systems:

- WaveLinX sensor
- LumaWatt Pro sensor
- SVPD sensor
- DLVP sensor and driver
- Fifth Light DALI driver

Other options include step-dimming and 3rd party drivers. Refer to the Connected Lighting options page and ordering information for more details.

### Electrical\*

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K or 4000K with a minimum CRI of 80. Projected life is 60,000 hours at 89% lumen output. Electronic drivers are available for 120-277V and 347V applications.

### Emergency Battery Pack Option

Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code-compliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. Emergency/generator transfer options available – see ordering information for details.

### Driver Access

Drivers can be removed from below without tools.

|                    |  |             |  |
|--------------------|--|-------------|--|
| <b>Catalog #</b>   |  | <b>Type</b> |  |
| <b>Project</b>     |  | <b>Date</b> |  |
| <b>Comments</b>    |  |             |  |
| <b>Prepared by</b> |  |             |  |

### Finish

Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

### Reflectors

Reflector has 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 and indoor luminaires are cULus listed for 25°C ambient environments, RoHS compliant, and LED modules comply with IESNA LM-79 and 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.



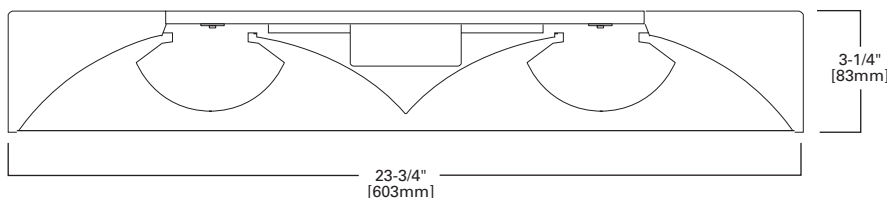
**24AC  
LED**

**2' X 4' TROFFER  
LED MODULE**

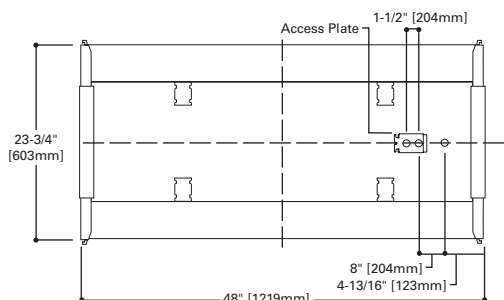
Specification Grade Troffer



Connected Systems  
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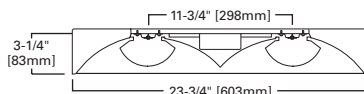


## MOUNTING DATA



NOTE: 2' x 2' and 2' x 4' allow for row mounting

## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY

| G<br>Grid/Lay-in<br>Standard | F<br>Drywall Frame<br>Kit | Ceiling<br>Type** | Trim<br>Type |
|------------------------------|---------------------------|-------------------|--------------|
|                              |                           | Exposed Grid      | G            |
|                              |                           | Concealed T       | G or T       |
|                              |                           | Slot Grid         | G or T       |
|                              |                           | Flange            | ***          |

## CERTIFICATION DATA

cULus - 1598  
Damp Location Listed  
IC Rated  
LM79/LM80 Compliant  
ROHS Compliant  
DesignLights Consortium® Qualified

\*\*\*See Drywall Frame Kit Accessory

**LINEAR DISCONNECT**

Safe and convenient means of  
disconnecting power





## LUMEN MAINTENANCE

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
|---------------------|--|-------------------------|
| 25°C                | > 89%                                  | > 193,000               |

## ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

| Stock or MTO* | Catalog Logic (Curved)     | Delivered Lumens | Watts | Efficacy (LPW) |
|---------------|----------------------------|------------------|-------|----------------|
| MTO           | 24AC-LD5-31-UNV-L830-CD1-U | 3035             | 25.4  | 119            |
| MTO           | 24AC-LD5-31-UNV-L835-CD1-U | 3155             | 25.4  | 124            |
| MTO           | 24AC-LD5-31-UNV-L840-CD1-U | 3218             | 25.4  | 127            |
| MTO           | 24AC-LD5-36-UNV-L830-CD1-U | 3539             | 30.1  | 118            |
| MTO           | 24AC-LD5-36-UNV-L835-CD1-U | 3679             | 30.1  | 122            |
| MTO           | 24AC-LD5-36-UNV-L840-CD1-U | 3753             | 30.1  | 125            |
| MTO           | 24AC-LD5-39-UNV-L830-CD1-U | 3835             | 32.9  | 116            |
| MTO           | 24AC-LD5-39-UNV-L835-CD1-U | 3987             | 32.9  | 121            |
| MTO           | 24AC-LD5-39-UNV-L840-CD1-U | 4067             | 32.9  | 123            |
| MTO           | 24AC-LD5-44-UNV-L830-CD1-U | 4325             | 37.9  | 114            |
| Stock         | 24AC-LD5-44-UNV-L835-CD1-U | 4496             | 37.9  | 119            |
| Stock         | 24AC-LD5-44-UNV-L840-CD1-U | 4586             | 37.9  | 121            |
| MTO           | 24AC-LD5-48-UNV-L830-CD1-U | 4705             | 41.9  | 112            |
| MTO           | 24AC-LD5-48-UNV-L835-CD1-U | 4892             | 41.9  | 117            |
| MTO           | 24AC-LD5-48-UNV-L840-CD1-U | 4990             | 41.9  | 119            |
| MTO           | 24AC-LD5-55-UNV-L830-CD1-U | 5355             | 49.2  | 109            |
| Stock         | 24AC-LD5-55-UNV-L835-CD1-U | 5567             | 49.2  | 113            |
| Stock         | 24AC-LD5-55-UNV-L840-CD1-U | 5678             | 49.2  | 116            |
| MTO           | 24AC-LD5-63-UNV-L830-CD1-U | 6069             | 57.8  | 105            |
| MTO           | 24AC-LD5-63-UNV-L835-CD1-U | 6310             | 57.8  | 109            |
| MTO           | 24AC-LD5-63-UNV-L840-CD1-U | 6436             | 57.8  | 111            |
| MTO           | 24AC-LD5-68-UNV-L830-CD1-U | 6541             | 65.1  | 101            |
| MTO           | 24AC-LD5-68-UNV-L835-CD1-U | 6800             | 65.1  | 105            |
| MTO           | 24AC-LD5-68-UNV-L840-CD1-U | 6936             | 65.1  | 107            |
| MTO           | 24AC-LD5-73-UNV-L830-CD1-U | 7014             | 71.0  | 99             |
| MTO           | 24AC-LD5-73-UNV-L835-CD1-U | 7292             | 71.0  | 103            |
| MTO           | 24AC-LD5-73-UNV-L840-CD1-U | 7438             | 71.0  | 105            |

\*Made to order (MTO) requires a typical three week lead time.

## ORDERING INFORMATION

SAMPLE NUMBER: 24AC-LD5-55-UNV-L835-CD1-U

|   |  |  |  |   |
|---|--|--|--|---|
| <b>Rating</b><br>[Blank]=Standard<br><b>ATW-SW4</b> =Chicago Rated<br><br><b>Series</b> <sup>(7)</sup><br><b>24AC</b> =2' x 4' Accord Series<br><br><b>Type</b><br>[Blank]=Standard<br><b>A</b> =Air(vented) <sup>(8)</sup> | <b>Lamp Type</b><br><b>LD5</b> =LED 5.0<br><br><b>Stock Lumen Outputs</b><br><b>44</b> =4400 Lumens<br><b>55</b> =5500 Lumens<br><br><b>MTO Lumen Outputs</b><br><b>31</b> =3100 Lumens <sup>(5)</sup><br><b>36</b> =3600 Lumens<br><b>39</b> =3900 Lumens<br><b>48</b> =4800 Lumens<br><b>63</b> =6300 Lumens<br><b>68</b> =6800 Lumens<br><b>73</b> =7300 Lumens | <b>Shielding</b><br>[Blank]=Standard Lens<br><b>SQP</b> =Lens with Square Pattern Insert<br><b>RDP</b> =Lens with Round Pattern Insert<br><br><b>Voltage</b> <sup>(1)</sup><br><b>UNV</b> =Universal Voltage 120-277<br><b>347V</b> =347 Volt <sup>(4)</sup><br><b>48V</b> =48 Volt Low-voltage (Class 2) <sup>(6)</sup><br><br><b>Options</b><br><b>Emergency</b><br><b>EL7W</b> =7-watt, 120V-277V emergency battery pack installed <sup>(2)</sup><br><b>EL14W</b> =14-watt 120V-277V emergency battery pack installed <sup>(2)</sup><br><b>ELV7W</b> =7-watt, DLVP-compatible low voltage emergency battery pack installed <sup>(2)</sup><br><b>ELV14W</b> =14-watt DLVP-compatible low voltage emergency battery pack installed <sup>(2)</sup><br><b>GTR2</b> =Bodine Generator Transfer Relay <sup>(6)</sup><br><b>ETR2</b> =Iota Emergency Transfer Relay <sup>(6)</sup><br><b>ETRD</b> =Iota Emergency Transfer Relay with dimming control <sup>(6)</sup><br><br><b>Lamps</b><br><b>L830</b> =3000K<br><b>L835</b> =3500K<br><b>L840</b> =4000K<br><br><b>Flex</b><br><b>A3/8-4/18GDIM</b> =3/8" Flex with 0-10V Dimming Leads<br>Multiple other configurations available. See below for details. | <b>Driver Type</b><br><b>CD</b> =0-10V Dimming Driver (1%-100% Dimming)<br><b>SR</b> =Sensor-ready Dimming Driver for LWIPD1 option (1%-100% Dimming) <sup>(8)</sup><br><b>5LTD</b> =Fifth Light DALI Driver (10%-100% Dimming) <sup>(5)</sup><br><b>5LTHD</b> =Fifth Light Dimming Driver (1%-100% Dimming) <sup>(5), (E)</sup><br><b>LV1</b> =DLVP Dimming Driver (0%-100% Dimming) <sup>(C)</sup><br><b>SD</b> =Step Dimming Driver (50% or 100% Dimming) <sup>(5)</sup><br><b>LH</b> =Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming <sup>(F)</sup><br><b>L5</b> =Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver <sup>(F)</sup><br><b>LU</b> =Lutron HiLume (L3D series) 1%-100% EcoSystem/3-wire Driver <sup>(F)</sup> | <b>Number of Drivers</b><br><b>1</b> =1 Driver<br><b>2</b> =2 Drivers |
|---|--|--|--|---|

**Integrated Sensing Systems**

**SWPD1**=WaveLinX Wireless Integrated Sensor<sup>(A)</sup>  
**LWIPD1**=LumaWatt Pro Wireless Integrated Sensor<sup>(B)</sup>  
**LWTPD1**=LumaWatt Pro Wireless Tile-mount Sensor<sup>(B)</sup>  
**SLVPD1**=DLVP Low-voltage Integrated Sensor<sup>(C)</sup>  
**SVPD1**=0-10V Stand-alone Integrated Sensor<sup>(D)</sup>



**Connected Systems**  
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**Packaging**

**U**=Unit Pack  
**PALC**=Job Pack, in carton

**ACCESSORIES**

**T3A END E.Q. BRACKET PARTS BAG**  
**DF-24-W**=2' x 4' Drywall Frame Kit  
**SK-24-WS**=2' x 4' Shallow Surface Mount Kit  
**SK-24-WT**=2' x 4' Tall Surface Mount Kit  
**DF10P-C**=Decorator Dimmer, 0-10V  
**SF10P-**=Decorator Dimmer, 0-10V

**NOTES:** <sup>(1)</sup>Products also available in non-US voltages and frequencies for international markets. <sup>(2)</sup>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. <sup>(3)</sup>Air versions are not designed for continuous row mount applications. Air version is vented but does not meet air handling requirements. <sup>(4)</sup>347V emergency option not available. <sup>(5)</sup>3100 and 3600 lumen options not available with Step-dim driver and with Fifth Light drivers (5LTD and 5LTHD). <sup>(6)</sup>Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 and ETR2 options include 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices. <sup>(7)</sup>DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details.

**Integrated Sensing and Control System Options**

**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: <sup>(A)</sup>Consult WaveLinX system pages for additional details and compatibility. <sup>(B)</sup>Consult LumaWatt Pro system pages for additional details and compatibility. <sup>(C)</sup>Consult DLVP system pages for additional details and compatibility. <sup>(D)</sup>Consult SVPD series system pages for additional details and compatibility. <sup>(E)</sup>Consult Fifth Light system pages for additional details and compatibility. <sup>(F)</sup>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](http://www.lutron.com).

**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.

**A3/8-4/18GDIM 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).

Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

**SHIPPING DATA**

| Catalog No. | Wt.     |
|-------------|---------|
| 24AC-LD5-44 | 21 lbs. |
| 24AC-LD5-55 | 21 lbs. |