

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

The Accord LED is Powered by Fifth Light, with a standard 0-10V continuous dimming driver that works with many types of controls, like dimmers, occupancy sensors, daylighting controls, or lighting relay panels to maximize energy savings. For individual control and out-of-the-box energy savings, the Accord LED can include an optional factory-installed integrated sensor system "SVPD1" for occupancy, daylight dimming and manual control from within the footprint of the fixture. Expand into fully-addressable systems by specifying Digital Addressable Lighting Interface (DALI) 10% "5LTD" or 1% "5LTHD" dimming drivers for use with Fifth Light controls. Or, go wireless and use the LumaWatt Pro powered by Enlighted option "LWIPD1" for a fully integrated

sensor system with Internet of Things (IoT) connectivity and configurable software.

Electrical*

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K or 4000K with a typical CRI ≤ 85. Projected life is 60,000 hours at 92% lumen output. Electronic drivers are available for 120-277V 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. See ordering information for details.

Driver Access

Drivers can be removed from below without tools.

| | | | |
|-------------|--|------|--|
| Catalog # | | Type | |
| Project | | Date | |
| Comments | | | |
| Prepared by | | | |

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. Refer to www.designlights.org Qualified Products List under Family Models for details.

Warranty

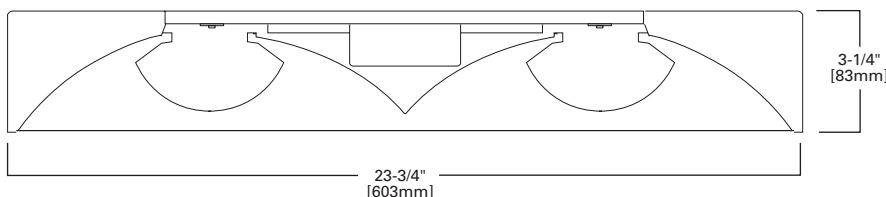
Five year warranty.



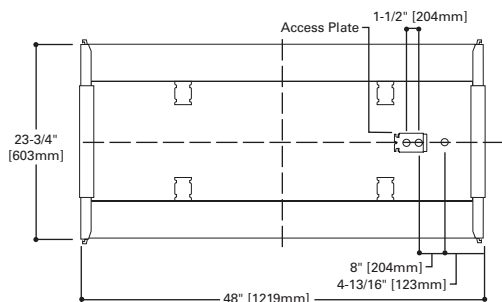
24AC LED

2' X 4' TROFFER LED MODULE

Specification Grade Troffer

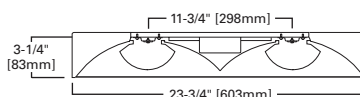


MOUNTING DATA



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

LAMP CONFIGURATIONS



CEILING COMPATIBILITY

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

CERTIFICATION DATA

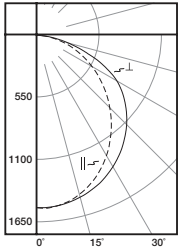
cULus - 1598
 Damp Location Listed
 IC Rated
 LM79/LM80 Compliant
 ROHS Compliant
 DesignLights Consortium® Qualified

***See Drywall Frame Kit Accessory

LINEAR DISCONNECT

Safe and convenient means of disconnecting power

PHOTOMETRICS



24AC-LD4-44-UNV-L835-CD1-U
Dimming Driver
Linear LED 3500K
Spacing criterion: (H) 1.2 x mounting height, (L) 1.3 x mounting height
Lumens: 4435
Input Watts: 40.6W
Efficacy: 109.2 lm/W
Test Report: 24AC-LD4-44-UNV-L835-CD1-U.IES

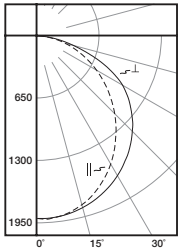
Candlepower table with columns: Angle, Along H, 45°, Across L. Rows 0 to 90.

Coefficients of Utilization

Coefficients of Utilization table showing effective floor cavity reflectance (80%, 70%, 50%, 30%, 10%, 0%) and RCR values for various angles.

Zonal Lumen Summary

Zonal Lumen Summary table with columns: Zone, Lumens, % Fixture. Rows for zones 0-30, 0-40, 0-60, 0-90, 0-180.



24AC-LD4-55-UNV-L835-CD1-U
Dimming Driver
Linear LED 3500K
Spacing criterion: (H) 1.2 x mounting height, (L) 1.3 x mounting height
Lumens: 5556
Input Watts: 53.8W
Efficacy: 103.3 lm/W
Test Report: 24AC-LD4-55-UNV-L835-CD1-U.IES

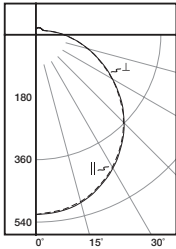
Candlepower table for 24AC-LD4-55-UNV-L835-CD1-U with columns: Angle, Along H, 45°, Across L. Rows 0 to 90.

Coefficients of Utilization

Coefficients of Utilization table showing effective floor cavity reflectance and RCR values for various angles.

Zonal Lumen Summary

Zonal Lumen Summary table with columns: Zone, Lumens, % Fixture. Rows for zones 0-30, 0-40, 0-60, 0-90, 0-180.



24AC-LD4-48-UNV-L835-CD1-U
Dimming Driver
Linear LED 3500K
Spacing criterion: (H) 1.2 x mounting height, (L) 1.3 x mounting height
Lumens: 4847
Input Watts: 45.2W
Efficacy: 107.2 lm/W
Test Report: 24AC-LD4-48-UNV-L835-CD1-U.IES

Candlepower table for 24AC-LD4-48-UNV-L835-CD1-U with columns: Angle, Along H, 45°, Across L. Rows 0 to 90.

Coefficients of Utilization

Coefficients of Utilization table showing effective floor cavity reflectance and RCR values for various angles.

Zonal Lumen Summary

Zonal Lumen Summary table with columns: Zone, Lumens, % Fixture. Rows for zones 0-30, 0-40, 0-60, 0-90, 0-180.



Eaton
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Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

LUMEN MAINTENANCE

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
|---------------------|--|-------------------------|
| 25°C | > 92% | > 307,000 |

ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

| Stock or MTO* | Catalog Logic (Curved) | Delivered Lumens | Watts | Efficacy (LPW) |
|---------------|----------------------------|------------------|-------|----------------|
| MTO | 24AC-LD4-31-UNV-L830-CD1-U | 2983 | 26.7 | 112 |
| MTO | 24AC-LD4-31-UNV-L835-CD1-U | 3096 | 27.0 | 115 |
| MTO | 24AC-LD4-31-UNV-L840-CD1-U | 3171 | 27.0 | 117 |
| MTO | 24AC-LD4-36-UNV-L830-CD1-U | 3459 | 32.1 | 108 |
| MTO | 24AC-LD4-36-UNV-L835-CD1-U | 3619 | 32.1 | 113 |
| MTO | 24AC-LD4-36-UNV-L840-CD1-U | 3685 | 32.1 | 115 |
| MTO | 24AC-LD4-39-UNV-L830-CD1-U | 3746 | 35.2 | 106 |
| MTO | 24AC-LD4-39-UNV-L835-CD1-U | 3926 | 35.2 | 112 |
| MTO | 24AC-LD4-39-UNV-L840-CD1-U | 3991 | 35.2 | 113 |
| MTO | 24AC-LD4-44-UNV-L830-CD1-U | 4226 | 40.6 | 104 |
| Stock | 24AC-LD4-44-UNV-L835-CD1-U | 4435 | 40.6 | 109 |
| Stock | 24AC-LD4-44-UNV-L840-CD1-U | 4502 | 40.6 | 111 |
| MTO | 24AC-LD4-48-UNV-L830-CD1-U | 4610 | 45.2 | 102 |
| MTO | 24AC-LD4-48-UNV-L835-CD1-U | 4847 | 45.2 | 107 |
| MTO | 24AC-LD4-48-UNV-L840-CD1-U | 4911 | 45.2 | 109 |
| MTO | 24AC-LD4-55-UNV-L830-CD1-U | 5282 | 53.8 | 98 |
| Stock | 24AC-LD4-55-UNV-L835-CD1-U | 5556 | 53.8 | 103 |
| Stock | 24AC-LD4-55-UNV-L840-CD1-U | 5702 | 53.8 | 106 |
| MTO | 24AC-LD4-63-UNV-L830-CD1-U | 6136 | 63.1 | 97 |
| MTO | 24AC-LD4-63-UNV-L835-CD1-U | 6378 | 63.1 | 101 |
| MTO | 24AC-LD4-63-UNV-L840-CD1-U | 6531 | 63.1 | 104 |
| MTO | 24AC-LD4-68-UNV-L830-CD1-U | 6620 | 66.4 | 100 |
| MTO | 24AC-LD4-68-UNV-L835-CD1-U | 6798 | 66.4 | 102 |
| MTO | 24AC-LD4-68-UNV-L840-CD1-U | 7054 | 66.4 | 106 |
| MTO | 24AC-LD4-73-UNV-L830-CD1-U | 7105 | 73.4 | 97 |
| MTO | 24AC-LD4-73-UNV-L835-CD1-U | 7329 | 73.4 | 100 |
| MTO | 24AC-LD4-73-UNV-L840-CD1-U | 7571 | 73.4 | 103 |

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

ORDERING INFORMATION

SAMPLE NUMBER: 24AC-LD4-55-UNV-L835-CD1-U

| | | | |
|--|--|---|---|
| <p>Rating Blank=Standard ATW-SW4=Chicago Rated</p> | <p>Lamp Type LD4=LED 4.0</p> | <p>Shielding Blank=Standard Lens SQP=Lens with Square Pattern Insert RDP=Lens with Round Pattern Insert</p> | <p>Driver Type CD=0-10V Dimming Driver (10% - 100% Dimming) HCD=0-10V Dimming Driver (1% - 100% Dimming)⁽⁸⁾ SD=Step-Dim Driver⁽⁷⁾ 5LTD=Fifth Light DALI Driver (10% - 100% Dimming)⁽⁴⁾ 5LTHD=Fifth Light DALI Drive (1% - 100% Dimming)^{(4), (6)} SR=Sensor Ready (1% - 100% Dimming)⁽¹²⁾</p> |
| <p>Series⁽⁸⁾ 24AC=2' x 4' Accord Series</p> | <p>Stock Lumen Outputs 44=4400 Lumens 55=5500 Lumens</p> <p>MTO Lumen Outputs 31=3100 Lumens⁽⁷⁾ 36=3600 Lumens 39=3900 Lumens 48=4800 Lumens 63=6300 Lumens 68=6800 Lumens 73=7300 Lumens</p> | <p>Voltage⁽¹⁾ 347V=347 Volt⁽⁵⁾ UNV=Universal Voltage 120-277</p> | <p>Number of Drivers 1=1 Driver 2=2 Drivers</p> |
| <p>Type [Blank]=Standard A=Air (vented)⁽³⁾</p> | | <p>Options Emergency EL7W=7-watt, 120V-277V emergency battery pack installed⁽²⁾ EL14W=14-watt 120V-277V emergency battery pack installed⁽²⁾ GTD2=Bodine Generator Transfer Device⁽¹⁰⁾ ETS2=IOTA Emergency Transfer Switch⁽¹⁰⁾</p> <p>Lamps L830=3000K L835=3500K L840=4000K</p> <p>Flex Multiple Configurations Available</p> | |

| | | | | |
|---|---|--|--|--|
| <p>Integrated Solutions S=Integrated Sensor L=LumaWatt⁽¹⁶⁾</p> | <p>Occupancy Technology P=Passive Infrared</p> | <p>Sensing Technology D=Dimming Daylight Harvesting (Closed Loop)</p> | <p>Coverage Pattern 1= ~144 Square Feet</p> | <p>Packaging U=Unit Pack PALC=Job Pack, in carton</p> |
| <p>Control Type V=Analog (0-10V) Output for Local Control⁽¹¹⁾ WI=Wireless Integral⁽¹²⁾ WT=Wireless Tile^{(13), (14)}</p> | | | | |

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: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾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. ⁽³⁾Air versions are not designed for continuous row mount applications. Air version is vented but does not meet air handling requirements. ⁽⁴⁾For a complete listing of Fifth Light Technology products and other solutions from Cooper Controls, visit www.eaton.com/lightingsystems. ⁽⁵⁾347V emergency option not available. ⁽⁶⁾Two drivers required for 5LTHD option for 5500 lumens and up. ⁽⁷⁾3100, 3600, and 3900 lumen options not available with Step-dim driver. ⁽⁸⁾DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details. ⁽⁹⁾Two HCD drivers required for 7300 lumen package. ⁽¹⁰⁾Used to transfer fixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power. ⁽¹¹⁾Integral sensor works only with "CD" driver and is factory prewired to the driver for stand-alone control. ⁽¹²⁾SR driver compatible with LWI option only. ⁽¹³⁾LWT compatible with CD and HCD drivers only. ⁽¹⁴⁾LWT sensor is external to luminaire, cable factory wired. ⁽¹⁵⁾Must be used in conjunction with a LumaWatt Pro control system. For complete LumaWatt Pro wireless solutions, visit www.eaton.com/lumawattpro.

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

SHIPPING DATA

| Catalog No. | Wt. |
|-------------|---------|
| 24AC-LD4-44 | 21 lbs. |
| 24AC-LD4-55 | 21 lbs. |