

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 standard a 0-10V continuous dimming driver that works with any 0-10V control/dimmer. Or, go digital with the Digital Addressable Lighting Interface (DALI) drivers, dimmable down to 1% using the HD option. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels to maximize energy savings.

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.

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

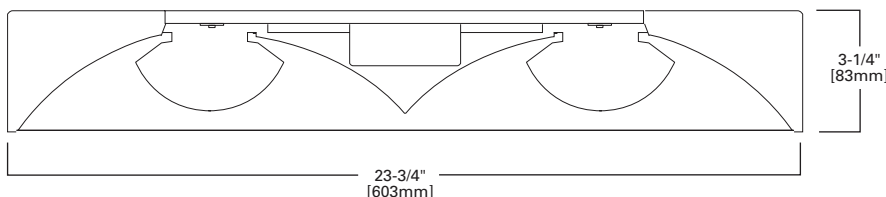
Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.

Compliance

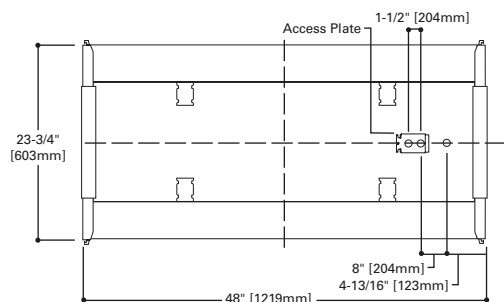
Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

Warranty

Five year warranty.

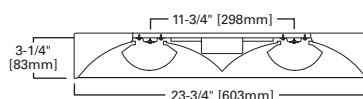


MOUNTING DATA



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

LAMP CONFIGURATIONS



CEILING COMPATIBILITY

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



**24AC
LED**

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

Specification Grade Troffer



CERTIFICATION DATA

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

***See Drywall Frame Kit Accessory

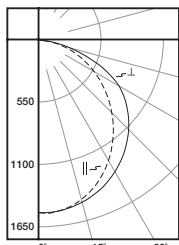
LINEAR DISCONNECT

Safe and convenient means of disconnecting power



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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**

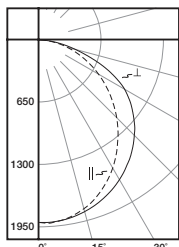
Angle	Along H	45°	Across L
0	1518	1518	1518
5	1520	1512	1516
10	1494	1492	1501
15	1449	1458	1475
20	1388	1409	1439
25	1312	1348	1394
30	1224	1279	1337
35	1123	1197	1272
40	1020	1110	1197
45	908	1017	1117
50	796	918	1027
55	681	816	930
60	568	711	819
65	456	605	666
70	349	490	484
75	245	348	321
80	148	205	184
85	64	82	73
90	0	0	0

Coefficients of Utilization

		Effective floor cavity reflectance 20%											
rc	rw	80%				70%				50%			
		70	50	30	10	70	50	30	10	50	30	10	0
RCR													0
0		119	119	119	119	116	116	116	116	111	111	111	100
1		108	104	99	95	106	101	97	94	97	94	91	83
2		98	90	83	77	96	88	82	76	84	79	74	69
3		90	79	70	64	87	77	69	63	74	67	62	58
4		82	70	61	54	79	68	60	53	66	58	53	49
5		75	62	53	46	73	61	52	46	59	51	45	42
6		69	56	47	40	67	55	46	40	53	45	40	37
7		64	51	42	35	63	50	41	35	48	41	35	32
8		60	46	37	32	58	45	37	31	44	37	31	29
9		56	42	34	28	54	42	34	28	41	33	28	26
10		52	39	31	26	51	38	31	26	37	30	25	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1177	26.5
0-40	1926	43.4
0-60	3432	77.4
0-90	4435	100.0
0-180	4435	100.0

**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**

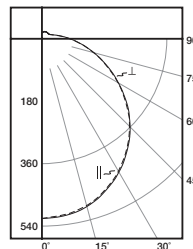
Angle	Along H	45°	Across L
0	1901	1901	1901
5	1903	1894	1899
10	1871	1868	1881
15	1816	1826	1848
20	1740	1765	1803
25	1643	1691	1745
30	1533	1601	1675
35	1408	1501	1592
40	1277	1391	1503
45	1139	1272	1400
50	996	1150	1287
55	854	1024	1165
60	712	892	1026
65	570	758	835
70	435	613	611
75	306	438	399
80	188	260	232
85	79	101	94
90	0	0	0

Coefficients of Utilization

		Effective floor cavity reflectance 20%											
rc	rw	80%				70%				50%			
		70	50	30	10	70	50	30	10	50	30	10	0
RCR													0
0		119	119	119	119	116	116	116	116	111	111	111	100
1		108	104	99	95	106	101	97	94	97	94	91	83
2		98	90	83	77	96	88	82	76	84	79	74	69
3		89	79	70	64	87	77	69	63	74	67	62	58
4		82	70	61	54	79	68	60	53	66	58	53	49
5		75	62	53	46	73	61	52	46	59	51	45	42
6		69	56	47	40	67	55	46	40	53	45	40	37
7		64	51	42	35	63	50	41	35	48	41	35	32
8		60	46	37	32	58	45	37	31	44	37	31	29
9		56	42	34	28	54	42	34	28	41	33	28	26
10		52	39	31	26	51	38	31	26	37	30	25	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1474	26.5
0-40	2412	43.4
0-60	4300	77.4
0-90	5556	100.0
0-180	5556	100.0

**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**

Angle	Along H	45°	Across L
0	1659	1659	1659
5	1661	1652	1657
10	1632	1631	1641
15	1585	1593	1614
20	1518	1541	1575
25	1436	1473	1522
30	1339	1397	1463
35	1229	1308	1389
40	1116	1212	1310
45	991	1110	1220
50	867	1004	1123
55	745	893	1015
60	624	778	893
65	499	662	732
70	380	532	530
75	269	379	349
80	163	227	202
85	71	88	81
90	0	0	0

Coefficients of Utilization

		Effective floor cavity reflectance 20%											
rc	rw	80%				70%				50%			
		70	50	30	10	70	50	30	10	50	30	10	0
RCR													0
0		119	119	119	119	116	116	116	116	111	111	111	100
1		108	104	99	95	106	101	97	94	97	94	91	83
2		98	90	83	77	96	88	82	76	84	79	74	69
3		90	79	70	64	87	77	69	63	74	67	62	58
4		82	70	61	54	79	68	60	53	66	58	53	49
5		75	62	53	46	73	61	52	46	59	51	45	42
6		69	56	47	40	67	55	46	40	53	45	40	37
7		64	51	42	35	63	50	41	35	48	41	35	32
8		60	46	37	32	58	45	37	31	44	37	31	29
9		56	42	34	28	54	42	34	28	41	33	28	26
10		52	39	31	26	51	38	31	26	37	30	25	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1286	26.5
0-40	2105	43.4
0-60	3751	77.4
0-90	4847	100.0
0-180	4847	100.0

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

Rating Blank=Standard ATW-SW4=Chicago Rated	Lamp Type LD4=LED 4.0	Shielding Blank=Standard Lens SQP=Lens with Square Pattern Insert RDP=Lens with Round Pattern Insert	Driver Type CD=0-10V Dimming Driver (10% - 100% Dimming) HCD=0-10V Dimming Driver (1% - 100% Dimming) ⁽¹⁰⁾ SD=Step-Dim Driver ^{(7), (8)} 5LTD=Fifth Light DALI Driver (10% - 100% Dimming) ⁽⁴⁾ 5LTHD=Fifth Light DALI Drive (1% - 100% Dimming) ^{(4), (6)}	Packaging U=Unit Pack PALC=Job Pack, in carton
Series ⁽⁹⁾ 24AC=2' x 4' Accord Series	Stock Lumen Outputs 44=4400 Lumens 55=5500 Lumens	Voltage ⁽¹⁾ 347V=347 Volt ⁽⁸⁾ UNV=Universal Voltage 120-277	Number of Drivers 1=1 Driver 2=2 Drivers	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_=Devine Decorator Dimmer, 0-10V SF10P-_=Skye Decorator Dimmer, 0-10V
Type [Blank]=Standard A=Air (vented) ⁽³⁾	MTO Lumen Outputs ⁽⁸⁾ 31=3100 Lumens 36=3600 Lumens 39=3900 Lumens 48=4800 Lumens 63=6300 Lumens 68=6800 Lumens 73=7300 Lumens	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 ⁽¹¹⁾ ETS2=IOTA Emergency Transfer Switch ⁽¹¹⁾ Lamps L830=3000K L835=3500K L840=4000K Flex Multiple Configurations Available		

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⁾Two drivers required for 6800 and 7300 lumen options with step-dim driver. ⁽⁸⁾3100 lumen option not available with Step-dim driver. ⁽⁹⁾DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details. ⁽¹⁰⁾HCD driver option is not available with 6300, 6800 and 7300 lumen packages. ⁽¹¹⁾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.

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.