

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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Low profile 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. Four auxiliary fixture end suspension points are provided. Large access plate for supply connection.

Controls

The Accord LED is equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls (www.coopercontrol.com) to maximize energy savings.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000, 3500 or 4000k with a CRI ≥ 85. Projected life is 50,000 hours at 70% lumen output. cULus listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Driver Access

Driver can be accessed via plenum.

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 (high lumen version only). Refer to www.designlights.org Qualified Products List under Family Models for details.



**AC
LED**

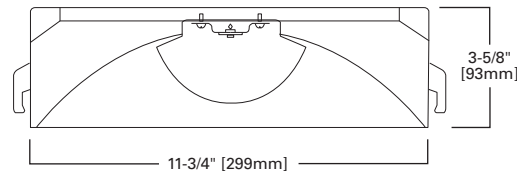
**1' X 4' TROFFER
LED LAMP**

Specification Architectural Troffer
For Use in Insulated Ceilings

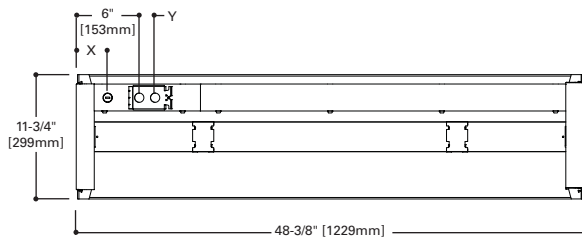
accord
Enhanced Lighting Series

LINEAR LED
PLATFORM

DESIGNLIGHTS
CONSORTIUM

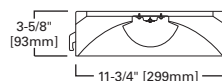


MOUNTING DATA

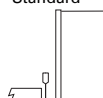
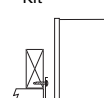


NOTE: 2' x 2' and 2' x 4' allow for row mounting (1' x 4' does not support feature)

LAMP CONFIGURATIONS



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	***

ENERGY DATA

Input Watts:

23=24W

32=35W

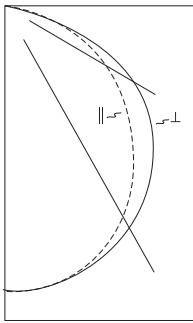
***See Drywall Frame Kit Accessory

LINEAR DISCONNECT

Safe and convenient means of disconnecting power.



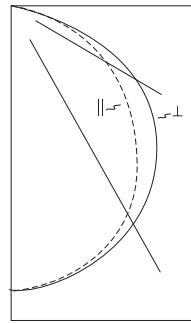
PHOTOMETRICS



AC-LD2-23-UNV-L835-CD1-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency: 100%
 Lumens: 2312
 Input Watts: 23.8W
 Efficacy: 97 LPW
 Test Report:
 AC-LD2-23-UNV-
 L835-CD1-U.IES

Candlepower

Angle	Along II	45°	Across ⊥
0	806	806	806
5	809	805	803
10	797	795	795
15	776	778	783
20	747	755	762
25	709	724	735
30	665	687	704
35	614	645	668
40	560	599	627
45	500	550	582
50	438	495	533
55	379	438	481
60	316	379	408
65	254	319	304
70	194	242	197
75	136	156	116
80	83	80	57
85	38	21	13
90	0	0	0



AC-LD2-32-UNV-L835-CD1-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency: 100%
 Lumens: 3282
 Input Watts: 35W
 Efficacy: 94 LPW
 Test Report:
 AC-LD2-32-UNV-
 L835-CD1-U.IES

Candlepower

Angle	Along II	45°	Across ⊥
0	1145	1145	1145
5	1149	1142	1140
10	1131	1128	1129
15	1100	1105	1111
20	1058	1071	1081
25	1007	1026	1043
30	944	975	998
35	872	915	947
40	795	850	890
45	711	780	826
50	623	702	756
55	538	621	681
60	449	538	577
65	362	453	432
70	276	343	281
75	194	221	166
80	118	114	82
85	53	31	19
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	628	27.1
0-40	1029	44.5
0-60	1834	79.3
0-90	2312	100.0
0-180	2312	100.0

Luminaire Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1902	2092	2214
55	1777	2054	2256
65	1617	2030	1935
75	1413	1621	1206
85	1173	648	401

Zonal Lumen Summary

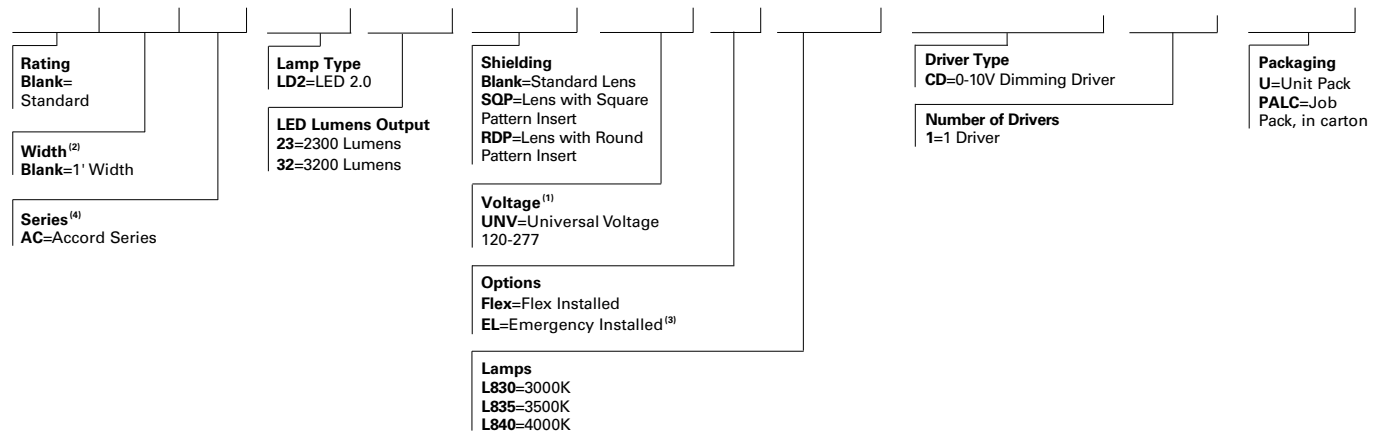
Zone	Lumens	%Fixture
0-30	891	27.1
0-40	1460	44.5
0-60	2602	79.3
0-90	3282	100.0
0-180	3282	100.0

Luminaire Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2705	2967	3142
55	2523	2912	3194
65	2304	2883	2750
75	2016	2297	1725
85	1636	957	586

ORDERING INFORMATION

SAMPLE NUMBER: AC-LD2-32-UNV-L835-CD1-U



NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ 1' x 4' Accord is not designed for continuous row mount applications. ⁽³⁾ Must specify voltage (120V or 277V) when selecting EL option. Separate kit must be ordered to install test switch and charge indicator outside fixture (only mounting option). ⁽⁴⁾ DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

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

SHIPPING INFORMATION

Catalog No.	Wt.
AC-LD2-23	22 lbs.
AC-LD2-32	22 lbs.

