

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

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. Four auxiliary fixture end suspension points are provided. KO's for continuous row wiring. 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

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 (both lumen versions). Refer to www.designlights.org Qualified Products List under Family Models for details.



**2AC
LED**

**2' X 4' TROFFER
LED LAMPS**

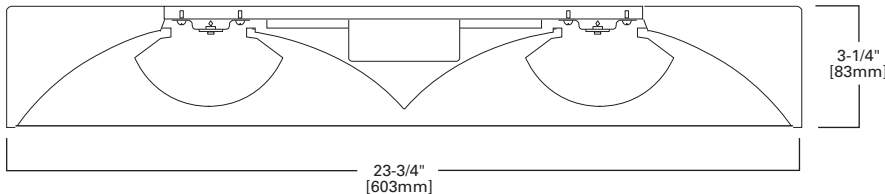
Specification Architectural
Troffer

For Use in Insulated Ceilings

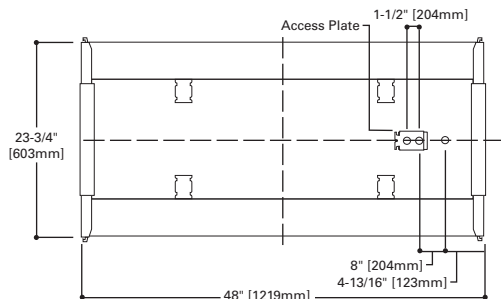
accord
Enhanced Lighting Series

LINEAR LED
PLATFORM

DESIGNLIGHTS
CONSORTIUM

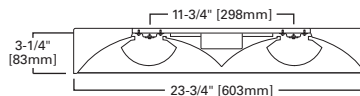


MOUNTING DATA



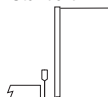
NOTE: 2' x 2' and 2' x 4' allow for row mounting
(1' x 4' does not support feature)

LAMP CONFIGURATIONS



CEILING COMPATIBILITY

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



ENERGY DATA

Input Watts:

47=46W

53=54W

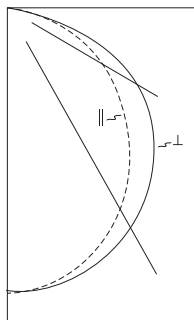
***See Drywall Frame Kit Accessory

LINEAR DISCONNECT

Safe and convenient means of
disconnecting power.



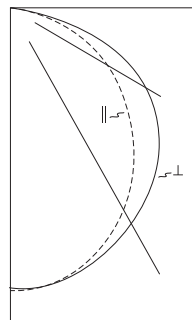
PHOTOMETRICS



2AC-LD2-47-UNV-L835-CD1-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (H) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency: 100%
 Lumens: 4705
 Input Watts: 45.7W
 Efficacy: 103 LPW
 Test Report:
 2AC-LD2-47-UNV-
 L835-CD1-U.IES

Candlepower

Angle	Along H	45°	Across L
0	1605	1605	1605
5	1592	1597	1603
10	1567	1578	1591
15	1524	1546	1563
20	1466	1499	1522
25	1391	1439	1471
30	1306	1368	1410
35	1202	1287	1340
40	1089	1196	1261
45	970	1097	1174
50	847	991	1079
55	722	880	977
60	599	765	857
65	479	649	696
70	362	517	492
75	251	360	302
80	150	203	166
85	65	80	67
90	0	0	0



2AC-LD2-53-UNV-L835-CD2-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (H) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Efficiency: 100%
 Lumens: 5368
 Input Watts: 53.8W
 Efficacy: 100 LPW
 Test Report:
 2AC-LD2-53-UNV-
 L835-CD2-U.IES

Candlepower

Angle	Along H	45°	Across L
0	1822	1822	1822
5	1805	1812	1819
10	1775	1789	1804
15	1725	1750	1770
20	1658	1696	1723
25	1574	1626	1664
30	1472	1544	1594
35	1357	1451	1515
40	1233	1347	1429
45	1102	1239	1332
50	967	1122	1231
55	831	999	1121
60	696	872	988
65	561	742	809
70	428	592	590
75	300	418	382
80	179	242	212
85	77	89	75
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%											
	80%				70%				50%			
	70	50	30	10	70	50	30	10	50	30	10	0%
0	119	119	119	119	116	116	116	116	111	111	111	106
1	109	104	99	95	106	101	97	94	97	94	91	93
2	99	90	83	77	96	88	82	76	85	79	75	81
3	90	79	71	64	87	77	70	63	74	68	62	72
4	82	70	61	54	80	68	60	54	66	59	53	64
5	75	62	53	46	73	61	53	46	59	51	46	57
6	69	56	47	40	68	55	46	40	53	46	40	51
7	64	51	42	36	63	50	41	35	48	41	35	47
8	60	46	38	32	58	46	37	32	44	37	31	43
9	56	42	34	28	55	42	34	28	41	33	28	40
10	52	39	31	26	51	39	31	26	38	30	26	37

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1251	26.6
0-40	2053	43.6
0-60	3667	77.9
0-90	4705	100.0
0-180	4705	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1845	2087	2233
55	1693	2064	2291
65	1524	2065	2215
75	1304	1871	1569
85	1003	1235	1034

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%											
	80%				70%				50%			
	70	50	30	10	70	50	30	10	50	30	10	0%
0	119	119	119	119	116	116	116	116	111	111	111	106
1	108	104	99	95	106	101	97	94	97	94	91	93
2	98	90	83	77	96	88	82	76	84	79	74	81
3	89	79	70	64	87	77	69	63	74	67	62	71
4	82	70	61	54	79	68	60	53	66	58	53	63
5	75	62	53	46	73	61	52	46	59	51	45	57
6	69	56	47	40	67	55	46	40	53	45	40	51
7	64	50	42	35	62	50	41	35	48	40	35	47
8	60	46	37	31	58	45	37	31	44	36	31	43
9	56	42	34	28	54	42	34	28	40	33	28	39
10	52	39	31	26	51	38	31	26	37	30	25	36

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	1416	26.4
0-40	2321	43.2
0-60	4156	77.4
0-90	5368	100.0
0-180	5368	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2234	2512	2700
55	2077	2496	2801
65	1903	2517	2744
75	1661	2315	2116
85	1266	1464	1233

ORDERING INFORMATION

SAMPLE NUMBER: 2AC-LD2-53-UNV-L835-CD2-U

Rating Blank=Standard ATW-SW4=Chicago Rated	Lamp Type LD2=LED 2.0	Shielding Blank=Standard Lens SQP=Lens with Square Pattern Insert RDP=Lens with Round Pattern Insert	Driver Type CD=0-10V Dimming Driver	Packaging U=Unit Pack PALC=Job Pack, in carton
Series⁽⁵⁾ 2AC=Accord Series	LED Lumens Output 47=4700 Lumens 53=5300 Lumens	Voltage⁽¹⁾ UNV=Universal Voltage 120-277	Number of Drivers 1=1 Driver ⁽⁴⁾ 2=2 Drivers	ACCESSORIES T3A END E.Q. BRACKET PARTS BAG
Type A=Air (optional) ⁽³⁾		Options Flex=Flex Installed EL=Emergency Installed, 700 Lumens ⁽²⁾ EL14=Emergency Installed, 1400 Lumens ^{(2), (5)}		
		Lamps L830=3000K L835=3500K L840=4000K		

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ Must specify voltage (120V or 277V) when selecting EL option. ⁽³⁾ Must specify voltage (120V or 277V) when selecting Air option. Air versions are not designed for continuous row mount applications. ⁽⁴⁾ Only one driver is required for 47 LED lumen output option. ⁽⁵⁾ DesignLights™ Consortium Qualified (both lumen versions). Refer to www.designlights.org Qualified Products List under Family Models for details. ⁽⁶⁾ EL14 option requires two drivers, "CD2".

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

DLC not for use in IC Installations.

SHIPPING INFORMATION

Catalog No.	Wt.
2AC-LD2-47	36 lbs.
2AC-LD2-53	36 lbs.