

COOPER LIGHTING - METALUX®

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 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 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

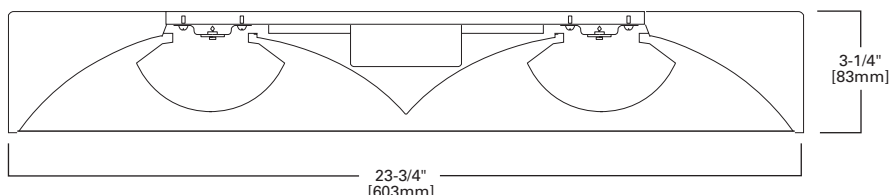
Reflector has high reflectance baked matte white enamel finish for luminous uniformity.

Shielding

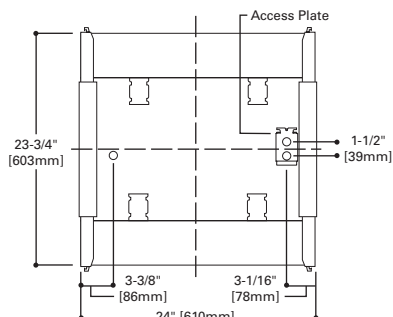
Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.

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

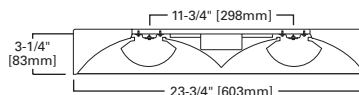


MOUNTING DATA



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

Catalog #	Type
Project	
Comments	Date
Prepared by	



2AC
LED

2' X 2' TROFFER
LED LAMPS

Specification Architectural
Troffer

For Use in Insulated Ceilings

accord™
Enhanced Lighting Series

LINEAR LED
PLATFORM

DESIGNLIGHTS®
CONSORTIUM

powered by
fifthlight
technology

CERTIFICATION DATA

cULus
LM79/LM80 Compliant
ROHS Compliant
DesignLights™ Consortium Qualified

ENERGY DATA

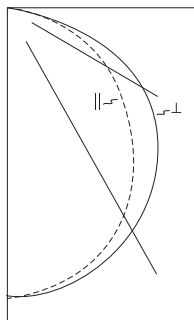
Input Watts:
25=28W
33=39W

***See Drywall Frame Kit Accessory

LINEAR DISCONNECT

Safe and convenient means of
disconnecting power

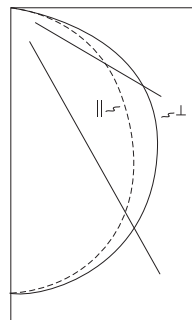
PHOTOMETRICS



2AC-LD2-25-UNV-L835-CD1-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Lumens: 2563
 Input Watts: 28.4W
 Efficacy: 90 LPW
 Test Report:
 2AC-LD2-25-UNV-
 L835-CD1-U.IES

Candlepower

Angle	Along II	45°	Across L
0	891	891	891
5	883	886	891
10	870	875	884
15	847	858	867
20	813	831	845
25	770	796	814
30	718	754	778
35	660	708	738
40	597	656	694
45	530	599	645
50	461	538	591
55	392	475	535
60	324	409	470
65	257	343	384
70	193	271	276
75	132	189	173
80	77	106	94
85	32	38	34
90	0	0	0



2AC-LD2-33-UNV-L835-CD1-U
 Dimming Driver
 Linear LED 3500K
 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.3 x
 mounting height
 Lumens: 3370
 Input Watts: 39.3W
 Efficacy: 86 LPW
 Test Report:
 2AC-LD2-33-UNV-
 L835-CD1-U.IES

Candlepower

Angle	Along II	45°	Across L
0	1175	1175	1175
5	1165	1168	1176
10	1147	1155	1167
15	1115	1130	1144
20	1070	1095	1114
25	1014	1048	1074
30	945	994	1026
35	868	932	973
40	785	863	914
45	696	787	849
50	605	706	780
55	514	623	706
60	424	536	621
65	336	450	506
70	252	356	361
75	174	245	226
80	101	137	123
85	40	48	45
90	0	0	0

Coefficients of Utilization

Effective floor cavity reflectance												20%												
rc rw RCR	80%				70%				50%				30%				10%				0%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	94	97	94	91	93	91	88	90	88	86	84						
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69						
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	60	58						
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50						
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43						
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37						
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33						
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29						
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26						
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24						

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	692	27.0
0-40	1132	44.2
0-60	2009	78.4
0-90	2563	100.0
0-180	2563	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2016	2279	2454
55	1838	2228	2509
65	1636	2183	2444
75	1372	1964	1798
85	988	1173	1049

Coefficients of Utilization

Effective floor cavity reflectance												20%											
rc	80%				70%				50%				30%				10%				0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																							
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	94	97	94	91	93	91	88	90	88	86	84					
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69					
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58					
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50					
5	76	63	54	47	73	61	53	47	59	52	46	57	51	46	55	50	45	43					
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37					
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					

Zonal Lumen Summary

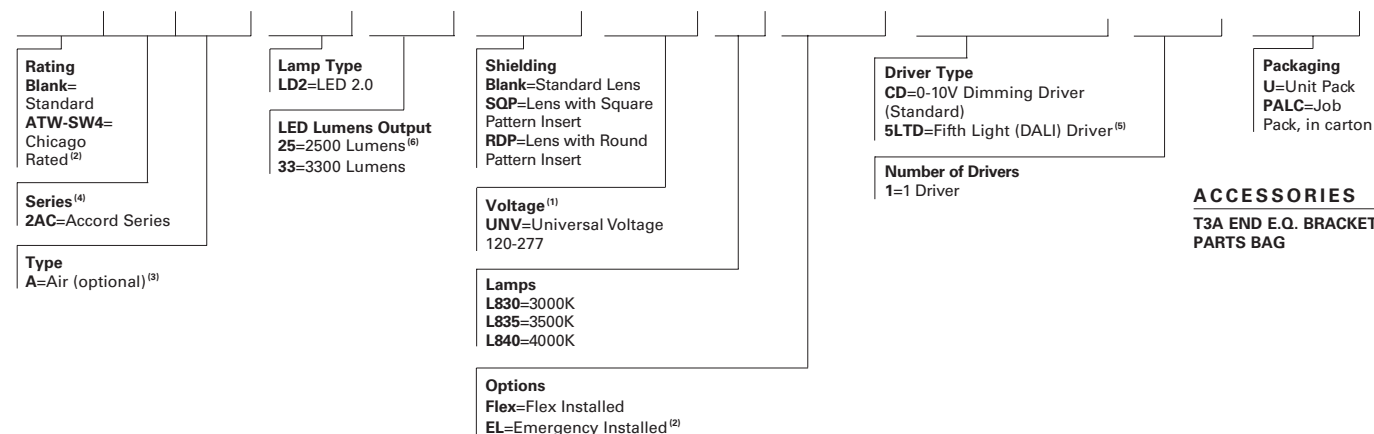
Zone	Lumens	%Fixture
0-30	912	27.1
0-40	1492	44.3
0-60	2646	78.5
0-90	3370	100.0
0-180	3370	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2648	2994	3230
55	2411	2922	3311
65	2139	2864	3221
75	1808	2546	2349
85	1235	1481	1389

ORDERING INFORMATION

SAMPLE NUMBER: 2AC-LD2-33-UNV-L835-CD1-U



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⁾ DesignLights™ Consortium Qualified (high lumen, non-DALI only). Refer to www.designlights.org Qualified Products List under Family Models for details. ⁽⁵⁾ For a complete listing of Fifth Light Technology products and other solutions from Cooper Controls, visit www.coopercontrol.com. ⁽⁶⁾ 2500 lumen option is not available with a Fifth Light (DALI) driver.

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

SHIPPING DATA

Catalog No.	Wt.
2AC-LD2-25	14 lbs.
2AC-LD2-33	14 lbs.