

DESCRIPTION

The accord™ redefines fluorescent 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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A...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. KOs for continuous row wiring. Large access plate for supply connection.

B...Electrical*

Ballasts are Class "P" and are positively secured. Rotor-lock lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

C...Ballast Access

Ballast can be removed from below without tools.

D...Finish

Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

E...Reflectors

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

F...Shielding

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

G...Air Return

Optional Air Return model provides air flow through air slots in the housing.

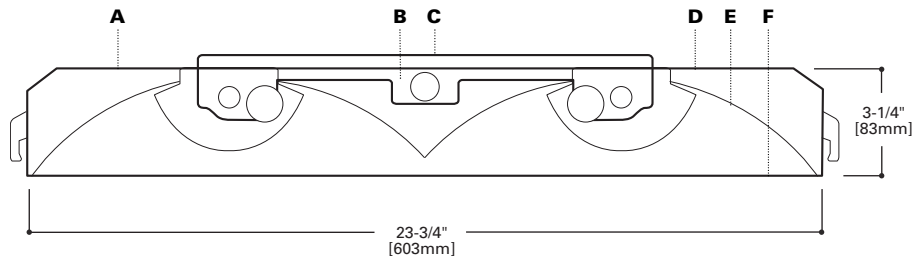


2AC
232T8

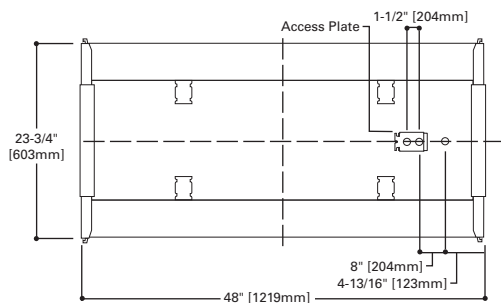
T8 LAMPS

2' x 4' Recessed
Troffer Series

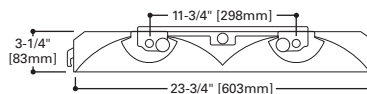
accord™
T5/T8 Enhanced Lighting Series



MOUNTING DATA



LAMP CONFIGURATIONS



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V
232 (58)

Luminaire Efficacy Rating

LER = FL83 LPW

Catalog Number: 2AC-232

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$2.89

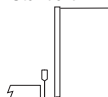
*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

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	***



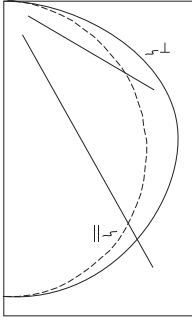
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO
LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of
disconnecting power.



PHOTOMETRICS

**2AC-232-UNV-EB81**

Electronic Ballast

(2) F32T8/835 Lamps

3100 Lumens each

Spacing criterion:

(II) 1.3 x mounting

height, (⊥) 1.5 x

mounting height

Efficiency 85%

Test Report:

241P14200

LER = FL83 LPW

Yearly Cost of 1000

lumens, 3000 hrs at

.08 KWH = \$2.89

Candlepower

Angle	Along II	45°	Across ⊥
0	1614	1614	1614
5	1607	1612	1618
10	1587	1596	1605
15	1551	1569	1587
20	1502	1531	1558
25	1440	1483	1521
30	1366	1425	1477
35	1280	1358	1425
40	1184	1282	1366
45	1080	1198	1298
50	967	1107	1221
55	848	1007	1134
60	723	899	1022
65	589	783	857
70	452	635	664
75	315	456	465
80	187	280	277
85	81	118	113
90	0	0	0

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance												20%											
	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	0	0
0	101	101	101	101	99	99	99	99	94	94	94	90	90	90	87	87	87	85	85	85	85	85	85	85
1	92	87	83	80	89	85	82	79	82	79	76	78	76	74	75	73	72	70	70	70	70	70	70	70
2	83	75	69	64	81	74	68	63	71	66	62	68	64	60	65	62	59	57	57	57	57	57	57	57
3	75	66	58	53	73	64	58	52	62	56	51	59	54	50	57	53	49	47	47	47	47	47	47	47
4	69	58	50	44	67	57	49	44	55	48	43	53	47	42	51	46	42	40	40	40	40	40	40	40
5	63	51	43	38	61	50	43	37	49	42	37	47	41	36	45	40	36	34	34	34	34	34	34	34
6	58	46	38	33	56	45	38	32	44	37	32	42	36	32	41	36	31	30	30	30	30	30	30	30
7	54	42	34	29	52	41	34	28	40	33	28	38	32	28	37	32	28	26	26	26	26	26	26	26
8	50	38	30	25	48	37	30	25	36	30	25	35	29	25	34	29	25	23	23	23	23	23	23	23
9	46	35	28	23	45	34	27	23	33	27	22	32	27	22	31	26	22	21	21	21	21	21	21	21
10	44	32	25	21	42	32	25	20	31	25	20	30	24	20	29	24	20	19	19	19	19	19	19	19

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1280	20.6	24.3
0-40	2129	34.3	40.4
0-60	3945	63.6	74.9
0-90	5271	85.0	100.0
0-180	5271	85.0	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2188	2427	2630
55	2118	2515	2832
65	1996	2654	2905
75	1743	2524	2574
85	1331	1939	1857

ORDERING INFORMATION

SAMPLE NUMBER: 2AC-232-UNV-EB82-U

Rating Blank= Standard NY=New York Rated ATW-SW4= Chicago Rated	Number of Lamps (Not included) 2=2 Lamp	Shielding Blank=Frosted Acrylic SQP=Lens with Square Pattern Insert RDP=Lens with Round Pattern Insert	Lamps L8835=T8 Lamp, 17W and 32W, 3500K L8841=T8 Lamp, 17W and 32W, 4100K L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens	Ballast Type EB8 =T8 Electronic Instant Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8 /PLUS=T8 Electronic Instant Start. High Ballast Factor >1.13.Total Harmonic Distortion < 20% No. of Ballast 1 or 2 ER8 =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1 or 2 HPT8 Ballast Ballast HB8_L =T8 Electronic Instant Start. Low Ballast Factor .77 HB8 =T8 Electronic Instant Start. Ballast Factor .88 HB8_N =T8 Electronic Instant Start. Normal Ballast Factor 1.0 HB8_H =T8 Electronic Instant Start. High Ballast Factor 1.15-1.2 HR8_DIM =T8 Electronic Program Start Step Dimming. Ballast Factor .88 HR8_L =T8 Electronic Program Start. Low Ballast Factor .77 HR8 =T8 Electronic Program Start. Ballast Factor .88 HR8_H =T8 Electronic Program Start. High Ballast Factor 1.15-1.2	Packaging U =Unit Pack PALC =Job Pack, in carton
Width 2=2' Width	Wattage (Length) 32=32WT8 (48")	Voltage⁽¹⁾ UNV =Universal Voltage 120-277			
Series AC =Accord Series		Options GL =Single Element Fuse GM =Double Element Fuse Flex =Flex installed EL =Emergency Installed			
Type A =Air (optional)					

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets.
For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice.
Consult your Cooper Lighting Representative for availability and ordering information.

ACCESSORIES

T3A END E.Q. BRACKET PARTS BAG

SHIPPING INFORMATION

Catalog No.	Wt.
2AC-232	28 lbs.