

COOPER LIGHTING - METALUX®

DESCRIPTION

The accord(TM) redefines fluorescent lighting by improving on aesthetics, comfort and energy savings. The accord(TM) provides the right amount of light while eliminating surface shadows commonly found in parabolics. Therefore, accord(TM) increases the comfort level while providing significant energy savings.

The accord(TM) 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.

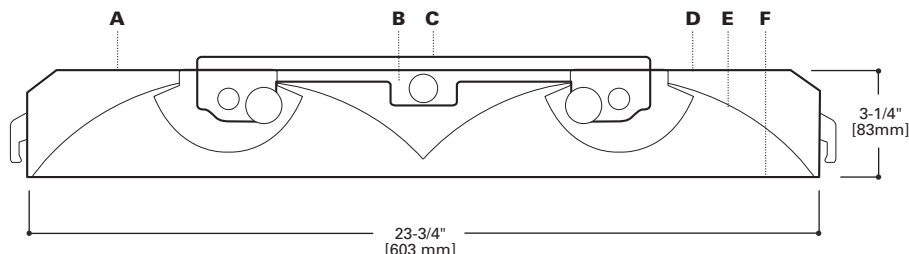
G ... Air Return

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

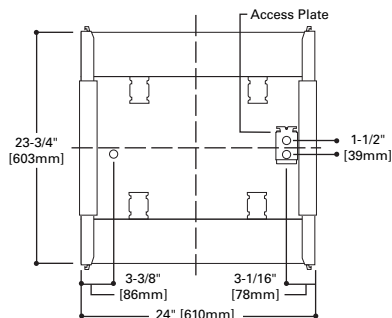


2AC
214T5
224T5

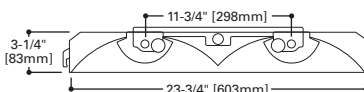
T5 LAMPS
2' X 2' Recessed
Troffer Series



MOUNTING DATA

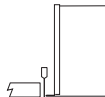


LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G
Grid/Lay-in
Standard



F
Drywall Frame
Kit



Ceiling Type**
Exposed Grid
Concealed T
Slot Grid
Flange

Trim Type
G
G or T
G or T



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V

214T5 (30)

224T5 (44)

Luminaire Efficacy Rating

LER = FL77 LPW

Catalog Number: 2AC-214T5

**Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$2.65**

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

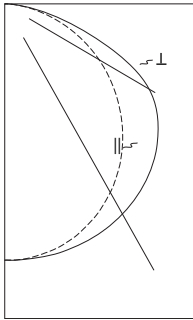
**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

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

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power



**2AC-214T5**

Electronic Ballast

(2) F14T5/835 lamps
1350 lumensSpacing criterion:
(II) 1.2 x mounting
height, (I) 1.4 x
mounting height

Efficiency 89.4%

Test Report:

2AC-214T5.IES

LER = FL-77 LPW

Yearly Cost of 1000
lumens, 3000 hrs
at .08 KWH = \$2.65**Candela**

Angle	Along II	45°	Across I
0	755	755	755
5	752	753	755
10	741	747	752
15	723	736	746
20	698	719	736
25	667	698	722
30	630	671	704
35	587	641	682
40	539	606	656
45	487	566	624
50	432	521	587
55	374	471	544
60	314	417	486
65	253	358	389
70	191	281	274
75	131	189	175
80	76	105	97
85	31	37	35
90	0	0	0

Coefficients of Utilization

		Effective floor cavity reflectance 20%											
		80%				70%				50%			
rc		70	50	30	10	70	50	30	10	50	30	10	50
rw		70	50	30	10	70	50	30	10	50	30	10	50
RCR		70	50	30	10	70	50	30	10	50	30	10	50
0		106	106	106	106	104	104	104	104	99	99	99	95
1		97	93	89	85	94	90	87	84	87	84	81	83
2		88	80	74	68	85	78	73	68	75	70	66	72
3		80	70	62	56	77	68	61	56	66	60	55	63
4		73	62	53	47	71	60	53	47	58	51	46	56
5		67	55	46	40	65	54	46	40	52	45	40	50
6		61	49	41	35	60	48	40	35	47	40	34	45
7		57	44	36	31	55	44	36	31	42	35	30	41
8		53	40	33	27	51	40	32	27	39	32	27	37
9		49	37	29	24	48	36	29	24	35	29	24	34
10		46	34	27	22	45	34	27	22	33	26	22	32

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	601	22.3	24.9
0-40	1001	37.1	41.4
0-60	1851	68.6	76.7
0-90	2414	89.4	100.0
0-180	2414	89.4	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1872	2176	2399
55	1772	2232	2578
65	1627	2303	2502
75	1376	1985	1838
85	967	1154	1092

ORDERING INFORMATION

SAMPLE NUMBER: 2AC-214T5-UNV-L5841-EBT1N-U

Rating Blank= Standard NY=New York Rated ATW-SW4= Chicago Rated	Number of Lamps (Not included) 2=2 Lamp	Shielding Blank=Frosted Acrylic (standard) SQP=Lens with Square Pattern Insert RDP=Lens with Round Pattern Insert	Lamps L5835=T5 Lamp, 3500K L5841=T5 Lamp, 4100K	Ballast Type EBT No. of Ballast 1 or 2 =T5 Linear Electronic Program Rapid Start Total Harmonic Distortion < 10%	Packaging U=Unit Pack PALC=Job Pack, in carton
Width 2=2' Width	Wattage (Length) 14T5=14W T5 (24") 24T5=24W T5HO (24")	Voltage⁽¹⁾ UNV=Universal Voltage 120-277	Options GL=Single Element Fuse GM=Double Element Fuse Flex=Flex installed EL=Emergency Installed	Ballast Factor/Type (For 14W T5 Lamp Only) N=Normal Light Output .95 BF ⁽²⁾ H=High Light Output 1.15 BF ⁽²⁾ NDIM=Normal .95-1.0 BF Step Dimming ⁽³⁾ HDIM=High 1.15 BF Step Dimming ⁽³⁾	
Series AC=Accord Series					
Type A=Air (optional)					

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ Step dimming ballast available for 14W T5 lamps only. ⁽³⁾ .95 and 1.15 ballast factor available for 14W T5 lamps only. 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.

SHIPPING INFORMATION

Catalog No.	Wt.
2AC-214T5	28 lbs.
2AC-224T5	28 lbs.