

COOPER LIGHTING - METALUX®

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.

Surface mount accord units are designed for areas that do not use a grid-ceiling type system. Ideal for use in corridors, stairwells, hospitals and schools.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A...Construction

Low profile housing is formed from heavy gauge cold rolled steel and welded to form a rigid frame. Backplate is provided with knockouts and mounting holes for surface mounting.

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

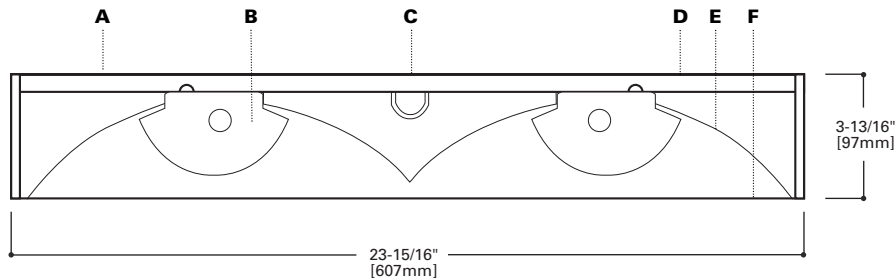
Painted after fabrication. Electrostatically applied baked matte white polyester powder enamel finish. Multistage cleaning cycle, iron phosphate coating with rust inhibitor.

E...Reflectors

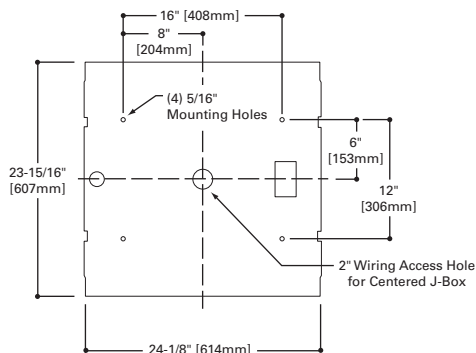
Reflector has high reflectance baked matte white enamel finish for luminous uniformity.

F...Shielding

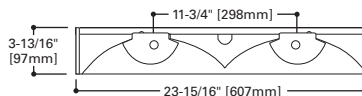
Positively retained frosted acrylic profile lenses provide a soft but effective distribution of light.



MOUNTING DATA



LAMP CONFIGURATIONS



2ACS
214T5
224T5

T5 LAMPS

2' x 2'

Surface Mount Series

accord™
T5/T8 Enhanced Lighting Series

ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V

214T5 (30)

224T5 (44)

Luminaire Efficacy Rating

LER = FL76.5 LPW

Catalog Number: 2ACS-214T5

Yearly Cost of 1000 lumens,

3000 hrs at .08 KWH = \$3.36

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

**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

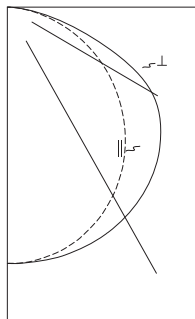
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of disconnecting power.



PHOTOMETRICS

**2ACS-214T5**

Electronic Ballast

(2) F14T5/835 lamps

1350 lumens

Spacing criterion:

(H) 1.2 x mounting

height, (L) 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 H	45°	Across L
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%												
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	106	106	106	106	104	104	104	104	99	99	99	95	95	95	91	91	91	89						
1	97	93	89	85	94	90	87	84	87	84	81	83	81	78	80	78	76	74						
2	88	80	74	68	85	78	73	68	75	70	66	72	68	64	69	66	63	61						
3	80	70	62	56	77	68	61	56	66	60	55	63	58	54	61	57	53	51						
4	73	62	53	47	71	60	53	47	58	51	46	56	50	46	54	49	45	43						
5	67	55	46	40	65	54	46	40	52	45	40	50	44	39	48	43	39	37						
6	61	49	41	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32						
7	57	44	36	31	55	44	36	31	42	35	30	41	35	30	40	34	30	28						
8	53	40	33	27	51	40	32	27	39	32	27	37	31	27	36	31	27	25						
9	49	37	29	24	48	36	29	24	35	29	24	34	28	24	34	28	24	22						
10	46	34	27	22	45	34	27	22	33	26	22	32	26	22	31	26	22	20						

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: 2ACS-214T5-UNV-EBT1NDIM

Width 2=2' Width	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	Ballast Type ⁽¹⁾ EBT__ =T5/T5HO Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor=1.0 Ballast/FactorType EBT__N =T5/T5HO Electronic ⁽²⁾ Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90 EBT__H =T5/T5HO Electronic ^{(2) (5)} Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15 EBT__NDIM =T5/T5HO Electronic ^{(3) (6)} Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, Normal Ballast Factor=.95-1.0 EBT__HDIM =T5/T5HO Electronic ⁽³⁾ Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming, High Ballast Factor=1.15	Packaging U =Unit Pack PALC =Job Pack, in carton
Series AC =Accord Series	Wattage (Length) 14T5 =14WT5 (24") 24T5 =24WT5HO (24")	Voltage ⁽¹⁾ UNV =Universal Voltage 120-277	Number of Ballasts 1 =1 Ballast 2 =2 Ballasts	
Type S =Surface Mount ⁽⁴⁾		Options GL =Single Element Fuse GM =Double Element Fuse Flex =Flex installed EL =Emergency Installed		
		Lamps L5835 =T5 Lamp, 3500K L5841 =T5 Lamp, 4100K L5835HL =T5 Lamp, 28W, 3500K, 2900 Lumens L5841HL =T5 Lamp, 28W, 4100K, 2900 Lumens		

NOTES: ⁽¹⁾Products also available in non-US voltages and frequencies for international markets. ⁽²⁾.90 and 1.15 ballast factor available for 2 or 3 14WT5 lamps only. ⁽³⁾Step Dimming ballast available for 2 or 3 14WT5 lamps only. ⁽⁴⁾Surface mount accord is not designed for continuous row mount applications. ⁽⁵⁾1-Lamp ballast in a High Ballast factor not available. ⁽⁶⁾1-Lamp step dimming ballast in a Normal Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp.

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.
2ACS-214T5	28 lbs.
2ACS-224T5	28 lbs.