

## 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.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

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

### Electrical\*

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

### Ballast Access

Ballast 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.

### Air Return

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

### Controls

Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energysaving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Lighting Solutions ([www.cooperlighting.com](http://www.cooperlighting.com)) to maximize energy savings.



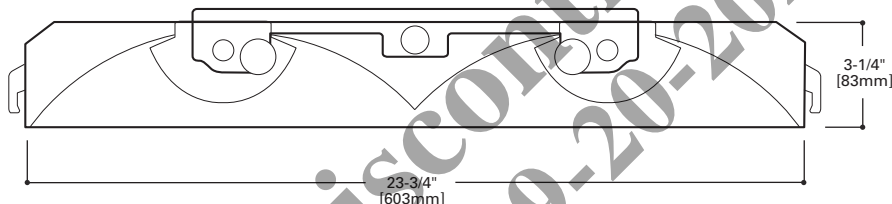
**2AC**  
**228T5**  
**254T5**

**2' X 4' RECESSED  
T5 LAMPS**

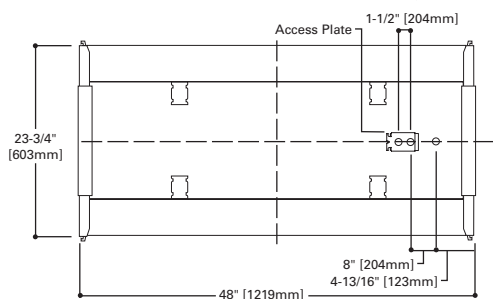
Troffer Series

**accord**  
Enhanced Lighting Series

powered by  
**fifthlight**  
technology

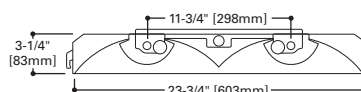


## MOUNTING DATA



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

## LAMP CONFIGURATIONS



## ENERGY DATA

Input Watts:

**EB Ballast & STD Lamps @ 277V**

228T5 (58)  
254T5 (118)

Luminaire Efficacy Rating

LER = FL75 LPW

**Catalog Number:** 2AC-228T5

**Yearly Cost of 1000 lumens,  
3000 hrs at .08 KWH = \$2.99**

\*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 Grid/Lay-in Standard	F Drywall Frame Kit	Ceiling Type**	Trim Type
		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**

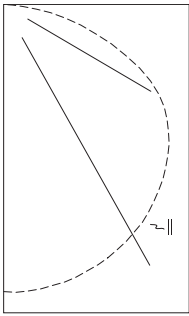
**LINEAR DISCONNECT**

Safe and convenient means of  
disconnecting power.



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June 18, 2018 1:46 PM

PHOTOMETRICS



**2AC-228T5-UNV-EBT1**

Electronic Ballast

(2) F28T5 Lamps

2600 Lumens

Spacing criterion:

(||) 1.3 x mounting

height, (⊥) 1.5 x

mounting height

Efficiency 87.9%

Test Report:

2AC-228T5-UNV-

EBT1.IES

LER = FL75 LPW

Yearly Cost of 1000

lumens, 3000 hrs at

.08 KWH = \$2.99

**Candlepower**

Angle	Along	45°	Across ⊥
0	1407	1407	1407
5	1399	1404	1410
10	1381	1390	1399
15	1351	1367	1382
20	1308	1334	1358
25	1253	1292	1326
30	1188	1241	1287
35	1113	1182	1242
40	1029	1115	1189
45	938	1042	1129
50	840	961	1061
55	735	874	983
60	625	779	880
65	509	676	736
70	389	547	565
75	267	392	393
80	153	240	235
85	60	100	98
90	0	0	0

**Coefficients of Utilization**

rc	Effective floor cavity reflectance												20%										
	80%				70%				50%				30%				10%				0%		
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																							
0	105	105	105	105	102	102	102	102	98	98	98	93	93	93	90	90	90	88					
1	95	90	86	83	92	88	85	81	85	82	79	81	79	76	78	76	74	72					
2	86	78	72	66	83	76	71	66	73	68	64	70	66	63	68	64	61	59					
3	78	68	60	54	76	67	60	54	64	58	53	61	56	52	59	55	51	49					
4	71	60	52	46	69	59	51	45	56	50	45	54	49	44	52	47	43	41					
5	65	53	45	39	63	52	45	39	50	44	38	49	43	38	47	42	37	35					
6	60	48	40	34	58	47	39	34	45	38	33	44	38	33	42	37	33	31					
7	55	43	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27					
8	52	39	32	26	50	39	31	26	37	31	26	36	30	26	35	30	26	24					
9	48	36	29	24	47	35	28	23	34	28	23	33	27	23	33	27	23	21					
10	45	33	26	21	44	33	26	21	32	25	21	31	25	21	30	25	21	19					

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	1115	21.4	24.4
0-40	1854	35.6	40.6
0-60	3431	66.0	75.1
0-90	4569	87.9	100.0
0-180	4569	87.9	100.0

**Luminance Data**

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1900	2111	2487
55	1836	2183	2455
65	1725	2291	2495
75	1478	2170	2175
85	986	1644	1611

Discontinued  
09-20-2021

## ORDERING INFORMATION

SAMPLE NUMBER: 2AC-228T5-UNV-EBTN-U

**Rating**  
Blank= Standard  
NY=New York  
Rated  
ATW-SW4= Chicago  
Rated

**Width**  
2=2' Width

**Series**  
AC=Accord Series

**Type**  
A=Air (optional)

**Number of Lamps**  
(Not included)  
2=2 Lamp

**Wattage (Length)**  
28T5=28W T5 (48")  
54T5=54W T5HO (48")

**Shielding**  
Blank=Frosted  
Acrylic (standard)  
SQP=Lens with  
Square Pattern  
Insert  
RDP=Lens with  
Round Pattern  
Insert

**Voltage**<sup>(1)</sup>  
UNV=Universal Voltage  
120-277

**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

**Ballast Type**<sup>(1)</sup>

EBT\_\_=T5/T5HO Electronic Program Rapid Start.  
Total Harmonic Distortion < 10%.  
Standard Ballast Factor=1.0

**Ballast/Factor Type**

EBT\_N=T5/T5HO Electronic Program Rapid Start.  
Total Harmonic Distortion < 10%.  
Normal Ballast Factor=.90<sup>(2)</sup>

EBT\_H=T5/T5HO Electronic Program Rapid Start.  
Total Harmonic Distortion < 10%.  
High Ballast Factor=1.15<sup>(2),(5)</sup>

EBT\_NDIM=T5/T5HO Electronic Program Rapid  
Start. Total Harmonic Distortion < 10%.  
Step Dimming, Normal Ballast  
Factor=.95-1.0<sup>(3),(4)</sup>

EBT\_HDIM=T5/T5HO Electronic Program Rapid  
Start. Total Harmonic Distortion < 10%.  
Step Dimming, High Ballast  
Factor=1.15<sup>(3)</sup>

**-1 V Dimming Ballasts**<sup>(7)</sup>

5LTV5\_\_=T5 0-10V Program Rapid Start.  
Total Harmonic Distortion < 10%.  
Ballast Factor 1.0

5LTVS5\_\_=T5 0-10V Spec Grade Program Rapid  
Start. Total Harmonic Distortion < 10%.  
Ballast Factor 1.0<sup>(8)</sup>

**Fifth Light DALI Ballasts**<sup>(6)</sup>

5LT5\_\_=T5 DALI Program Rapid Start.  
Total Harmonic Distortion < 10%.  
Ballast Factor 1.0

5LT5H\_\_=T5HO DALI Program Rapid Start.  
Total Harmonic Distortion < 10%.  
Ballast Factor 1.0

**Packaging**  
U=Unit Pack  
PALC=Job Pack, in  
carton

**ACCESSORIES**

T3A END E.Q. BRACKET  
PARTS BAG

**NOTES:** <sup>(1)</sup> Products also available in non-US voltages and frequencies for international markets. <sup>(2)</sup> .90 and 1.15 ballast factor available for 2 or 3 28W T5 lamps only. <sup>(3)</sup> Step dimming ballast available for 2 or 3 lamp 14WT5 and 28WT5 lamps only. <sup>(4)</sup> 1 lamp step dimming ballast in a normal ballast factor not available. 2 lamp ballast will not operate 1 lamp. <sup>(5)</sup> 1 lamp ballast in a high ballast factor not available. <sup>(6)</sup> For a complete listing of Fifthlight Technology products and other solutions from Cooper Lighting Solutions, visit [www.cooperlighting.com](http://www.cooperlighting.com). <sup>(7)</sup> 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. <sup>(8)</sup> Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible with low mercury and energy saving lamps.

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

**Number of Ballasts**

1=1 Ballast  
2=2 Ballasts

Discontinued  
09-20-2021

**SHIPPING DATA**

Catalog No.	Wt.
2AC-228T5	28 lbs.
2AC-254T5	28 lbs.