

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

Construction

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. 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 accessed from below without tools through hinged door assembly.

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 Vented

Optional air vented 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) to maximize energy savings.



AC
128T5
154T5
228T5
254T5

**1' X 4' RECESSED
T5 LAMPS**

Troffer Series

accord
Enhanced Lighting Series

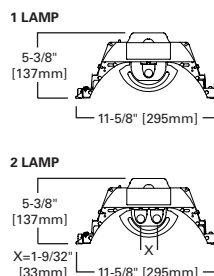
powered by
fifthlight
technology

MOUNTING DATA



NOTE: 1' x 4' allows for row mounting

LAMP CONFIGURATIONS



CEILING COMPATABILITY

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	***

ENERGY DATA

Input Watts:

EB Ballast & STD Lamps @ 277V
128T5 (37), 154T5 (53), 228T5 (59)

Luminaire Efficacy Rating

LER =65

Catalog Number: AC-128T5

**Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.69**

*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**

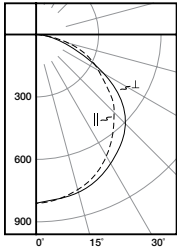
LINEAR DISCONNECT

Safe and convenient means of
disconnecting power.



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PHOTOMETRICS

**AC-128T5**

Electronic Ballast

(1) F28WT5 Lamp
2900 Lumens eachSpacing criterion:
(H) 1.2 x mounting
height, (L) 1.3 x
mounting height

E cienc 81.5

Test report: EBT1

128T5

.IES

LE 65.0

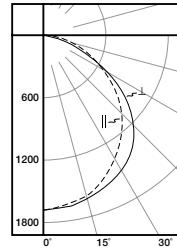
earl ost o 1000

lumens, 3000 hrs at

.08 W 3.6 9

Candlepower

Angle	Along H	45°	Across L
0	807	807	807
5	806	803	807
10	795	794	800
15	776	779	787
20	750	757	770
25	717	730	748
30	678	698	721
35	633	660	687
40	582	617	651
45	530	570	607
50	473	520	545
55	409	462	473
60	348	392	393
65	284	311	291
70	217	226	188
75	150	143	113
80	86	72	54
85	30	21	20
90	0	0	0

**AC-228T5**

Electronic Ballast

(2) F28WT5 Lamp
2900 Lumens eachSpacing criterion:
(H) 1.2 x mounting
height, (L) 1.3 x
mounting height

E cienc 79.7

Test report: EBT1

228T5

.IES

LE 78.0

earl ost o 1000

lumens, 3000 hrs at

.08 W 3.08

Candlepower

Angle	Along H	45°	Across L
0	1663	1663	1663
5	1657	1653	1663
10	1630	1633	1648
15	1586	1600	1624
20	1527	1553	1588
25	1450	1494	1541
30	1363	1423	1481
35	1261	1339	1409
40	1152	1247	1323
45	1036	1144	1211
50	916	1027	1065
55	793	888	892
60	667	734	702
65	541	564	500
70	416	396	320
75	287	235	177
80	170	105	73
85	65	30	28
90	0	0	0

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	97	97	97	97	95	95	95	95	91	91	91	87	87	87	83	83	83	82
1	89	85	82	78	87	83	80	77	80	77	75	77	74	72	74	72	70	69
2	81	74	69	64	79	73	67	63	70	65	62	67	63	60	65	62	59	57
3	74	65	58	53	72	64	58	53	61	56	52	59	54	51	57	53	50	48
4	67	57	50	45	65	56	50	44	54	48	44	52	47	43	51	46	43	41
5	62	51	44	38	60	50	43	38	49	43	38	47	42	37	45	41	37	35
6	57	46	39	33	55	45	38	33	44	38	33	42	37	33	41	36	32	31
7	53	42	35	29	51	41	34	29	40	34	29	39	33	29	37	33	29	27
8	49	38	31	26	48	37	31	26	36	30	26	35	30	26	34	29	26	24
9	46	35	28	24	45	34	28	24	33	28	23	33	27	23	32	27	23	22
10	43	32	26	21	42	32	25	21	31	25	21	30	25	21	29	24	21	20

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	635	21.9	26.9
0-40	1048	36.2	44.4
0-60	1890	65.2	79.9
0-90	2364	81.5	100.0
0-180	2364	81.5	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2525	2715	2891
55	2402	2713	2778
65	2264	2479	2319
75	1952	1861	1471
85	1159	812	773

Coefficients of Utilization

Effective floor cavity reflectance													20%			50%			30%			10%			0%
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	95	95	95	95	93	93	93	93	89	89	89	85	85	85	81	81	81	80							
1	87	84	80	77	85	82	79	76	78	76	74	75	73	71	72	71	69	68							
2	79	73	68	63	77	72	67	63	69	65	61	66	63	60	64	61	58	57							
3	72	64	58	53	71	63	57	52	61	56	51	58	54	51	56	53	50	48							
4	66	57	50	45	65	56	50	45	54	48	44	52	47	43	50	46	43	41							
5	61	51	44	39	59	50	43	38	48	43	38	47	42	38	45	41	37	36							
6	56	46	39	34	55	45	38	34	44	38	33	42	37	33	41	36	33	31							
7	52	42	35	30	51	41	34	30	40	34	29	39	33	29	37	33	29	27							
8	49	38	31	27	47	37	31	26	36	30	26	35	30	26	34	30	26	24							
9	45	35	28	24	44	34	28	24	33	28	24	32	27	24	32	27	23	22							
10	43	32	26	22	42	32	26	22	31	25	21	30	25	21	29	25	21	20							

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1300	22.4	28.1
0-40	2138	36.9	46.2
0-60	3783	65.2	81.8
0-90	4623	79.7	100.0
0-180	4623	79.7	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	4935	5450	5769
55	4657	5215	5238
65	4312	4495	3985
75	3735	3058	2304
85	2512	1159	1082

ORDERING INFORMATION

SAMPLE NUMBER: AC-128T5-UNV-EBT1-U

Rating
Blank=
Standard
ATW-SW4=
Chicago
Rated

Width
Blank=1' Width

Series
AC=Accord Series

Type
A=Air Vented (Optional)

Number of Lamps
(Not included)
1=1 Lamp
2=2 Lamps

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⁽¹⁾
UNV=Universal Voltage
120-277

Options
Emergency
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
File
Multiple Configurations Available

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 Program Rapid Start.
Total Harmonic Distortion < 10%.
Normal Ballast Factor=.90⁽²⁾

EBT__H=T5/T5HO Electronic Program Rapid Start.
Total Harmonic Distortion < 10%.
High Ballast Factor=1.15^{(2), (4)}

EBT__NDIM=T5/T5HO Electronic Program Rapid Start.
Total Harmonic Distortion < 10%.
Step Dimming, Normal Ballast
Factor=.95-1.0^{(3), (5)}

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

0-10V Dimming Ballasts⁽⁷⁾

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⁽⁸⁾

5LTV5H__=T5HO 0-10V Program Rapid Start.
Total Harmonic Distortion < 10%.
Ballast Factor 1.0

5LTVS5H__=T5 0-10V Spec Grade Program Rapid Start.
Total Harmonic Distortion < 10%.
Ballast Factor 1.0⁽⁸⁾

Fifth Light DALI Ballasts⁽⁶⁾

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

Number of Ballasts

1=1 Ballast
2=2 Ballasts

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

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 28W T5 lamps only. ⁽³⁾ Step Dimming ballast available for 2 or 3 28W T5 lamps only. ⁽⁴⁾ 1-Lamp ballast in a High Ballast factor not available. ⁽⁵⁾ 1-Lamp step dimming ballast in a Normal Ballast factor not available. 2-Lamp ballast will not operate 1-Lamp. ⁽⁶⁾ For a complete listing of Fifthlight Technology products and other solutions from Cooper Lighting Solutions, visit www.cooperlighting.com. ⁽⁷⁾ 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. ⁽⁸⁾ 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.

ACCESSORIES

T3A END E.Q. BRACKET PARTS BAG
DF-14-W=1' x 4' Drywall Frame Kit

SHIPPING DATA

Catalog No.	Wt.
AC-128T5	22 lbs.
AC-228T5	22 lbs.
AC-154T5	22 lbs.
AC-254T5	22 lbs.