

APPLICATIONS

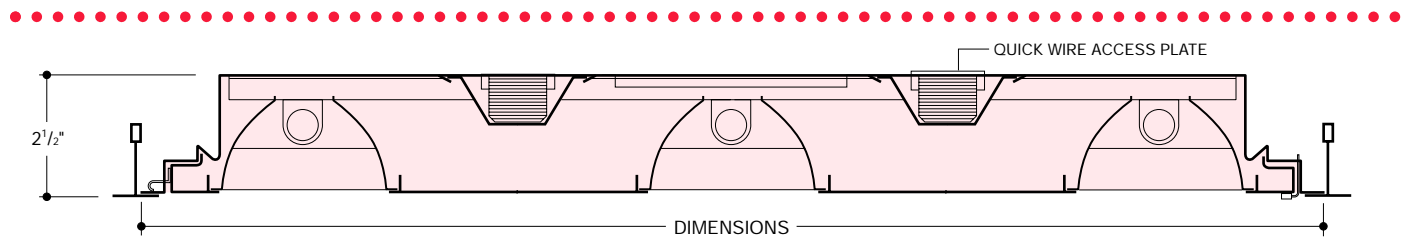
The EXCELUME™ series of High Performance luminaires combines 2 1/2" deep low profile housing with dedicated louvers and perforated face.

RP-1 compliant with outstanding glare control for areas with computers.

Provides Batwing distribution which is ideal for 8' x 8' or 10' x 10' spacings.

Louvers provide a maximum intensification for each lamp providing maximum output.

T5 or T5HO lamp technology provides a high lumen package.



NOM. SIZE	DIMENSIONS
2' x 2'	23 ³ / ₄ " x 23 ³ / ₄ "
2' x 4'	23 ³ / ₄ " x 47 ³ / ₄ "

SPECIFICATIONS

HOUSING: Die formed of 20 gauge cold rolled steel, rigidly fabricated and electrically welded to insure true and perfect alignment.

SOCKET PLATE: Die formed of heavy gauge cold rolled steel, securely mounted and readily removable for socket maintenance.

WIREWAY: Die formed of heavy gauge cold rolled steel, removable without the use of tools for ballast maintenance.

LOUVER: Louvers are standard low iridescence specular natural anodized aluminum, optically contoured to provide maximum efficiency, mounted into hinged door for easy accessibility to interior of unit.

DOOR: Die formed of heavy 19 gauge steel with perforated panels with white acrylic overlays between louver sections. Door hinges from either side on concealed T-slot hinges and is secured in the closed position by positive locking lever latches allowing access to the interior without the use of tools.

ELECTRICAL: 2 lamps T5 rapid quick-start 480MA Electronic High Power Factor, Class "A" sound rated, <10% THD (less than 10% Total Harmonic Distortion). U.L. and CSA, FCC listed Type 1 for 118V 60Hz operation. Other voltages and frequencies available. CONSULT FACTORY.

MOUNTING: Designed to integrate into most standard lay-in grid and fineline ceilings (Requires Fineline clips, suffix "FCC"). Unit rests on the flanges of the exposed tee. Fine Line clips are supplied on units used in Donn-Fine Line type ceilings. See ceilings and specify type. Knockouts and wiring access plate are provided on back, with additional knockouts on ends for feed and thru-wiring.

FINISH: All steel component parts are completely protected against rust and discoloration after fabrication through an automated conveyorized multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled integrated system assures consistent 88% reflectance efficiency and maximum durability.

CERTIFICATION: The EXCELUME™ Series J8722/J8724 are U.L. and C.U.L. listed and bear the label of the I.B.E.W./AFL-CIO, Local #3. Optionally U.L. and C.U.L. listed for damp locations "DL".

EXCELUME™ is a trademark of LEGION LIGHTING CO., INC.
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ORDERING DATA

Nom. Size	No. and Type Lamps	Weight	Catalog No.
2' x 2'	3-F14-T5	15	J8722-314
	3-F24HO-T5		J8722-324HO
2' x 4'	3-F28-T5	29	J8724-328
	3-F54HO-T5		J8724-354HO

OPTIONS

- Suffix "DIM" after catalog no. for dimming ballast.
- Suffix "LT" after catalog no. for cold weather ballast.
- Suffix "DL" after catalog no. for damp location.
- + Suffix "EM" after catalog no. for emergency battery packs and see price list for types and consult factory.
- Suffix "WOL" after catalog no. for white acrylic overlay on back of louvers.
- Suffix "COL" after catalog no. for clear acrylic overlay on back of louvers.
- + Battery Pack mounted on top of 2x2 fixture, adds 2" to depth, or mounted remote in separate box. Consult factory for availability.

FOR CEILINGS THAT REQUIRE A FLANGE TRIM CONSULT FACTORY FOR FLANGE KIT.

PHOTOMETRICS – Coefficients of Utilization

Catalog No. J8722-324HO 3-F24HOT5 lamps, rated at 1800 lumens ea.

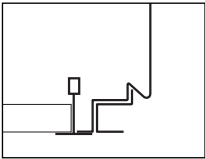
Coefficients of Utilization	Coefficients of Utilization–Zonal Cavity Method												
	Floor	20%											
	Ceiling	80%				70%				50%			
Walls	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	0	
1	76	74	72	70	74	73	71	69	73	68	67	83	
2	72	68	65	62	70	67	64	62	65	62	60	57	
3	67	62	59	54	68	61	58	55	60	57	54	52	
4	63	57	53	50	62	56	52	48	55	51	49	47	
5	59	52	48	44	58	52	47	44	50	46	44	42	
6	55	48	43	40	54	47	43	40	46	42	39	38	
7	51	44	39	35	50	43	39	35	42	38	35	34	
8	47	40	35	31	46	39	34	31	38	34	31	30	
9	44	36	31	27	43	35	31	27	35	30	27	26	
10	40	32	28	24	40	32	27	24	31	27	24	23	

Visual Comfort Probability	Reflectance – 80, 50, 20 Work Plane Illumination – 100 Fc. @ 2.5 ft.												
	Room Dimensions			Luminaires Lengthwise				Luminaires Crosswise					
	W	L	Ht.	8.5	10.0	13.0	16.0	Ht.	8.5	10.0	13.0	16.0	
20	20		95	92	86	75		98	93	88	77		
20	40		97	95	92	84		99	96	93	85		
30	30		98	96	92	82		99	97	93	83		
30	60		98	97	95	87		98	98	96	88		
40	40		99	98	95	87		99	98	96	88		
40	60		99	98	96	89		99	98	97	90		
60	30		99	98	95	87		99	98	96	88		
60	40		99	98	96	89		99	98	87	90		
60	60		99	98	97	91		99	99	97	92		

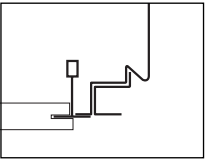
ZONAL SUMMARY			
ZONE	LUMENS	LAMP	FIXTURE
0 – 30	1554.	28.7	42.5
0 – 40	2596.	48.1	71.2
0 – 60	3621.	67.3	99.5
0 – 90	3644.	67.6	100.0
90 – 180	0.	0.0	0.0
0 – 180	3644.	67.6	100.0

Energy Data	LER: FP-45	Energy Cost: \$5.33*
	Input Watts: 82	BF: 1.00
The above energy calculations were conducted using a specific lamp/ballast combination. Actual results may vary depending upon the lamp and ballast used. Lamp and ballast specifications are subject to change without notice.		
*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.		

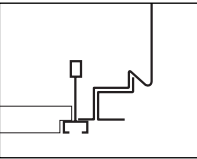
CEILINGS – SPECIFY TYPE



EXPOSED "T" BAR
Type "J" Lay-in



CONCEALED "T" BAR
Type "J" Lay-in



FINE LINE
Type "J" Lay-in

- Type (J) Exposed inverted "T" ceiling.
- Type (J) Concealed inverted "T" ceiling.
- Type (J) Exposed inverted "T", Tegular ceiling.
- Type (J) Exposed inverted "T", Fineline ceiling. (Requires Fineline clips) suffix FLC.

(J) Exposed (J) Concealed troffers: The corners of the ceiling opening should be well supported to withstand the weight of the troffer.

NOTE: For ceilings that require a Flange Trim, consult factory for availability of a FLANGE KIT.

Information supplied primarily for illustrative purposes, subject to change.
Consult factory for verification and minimum quantity orders.