Metalux

DESCRIPTION

The OpticaHP series is an energy saving solution for a multitude of applications. The OpticaHP series incorporates a 2" high, 6-cell louver combined with a precision engineered cross blade to create a soft, even distribution while delivering a highly efficient T8 luminaire. The OpticaHP series is an excellent choice for new commercial office spaces, schools, hospitals or retail merchandising areas.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

4-3/4" deep, para-contoured housing, die formed code gauge, prime cold rolled steel. Full length die formed stiffeners for added strength. Contoured ballast/ wireway cover, easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates, securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have integral Grid-Lock feature for safety and convenience.

Electrical**

Ballasts are CBM/ETL Class "P" are positively secured by mounting bolts. Pressure lock lampholders. UL/CUL listed. Suitable for damp locations.

Finish

Cold rolled steel w/multistage iron phosphate pretreatment for maximum bonding and a highly reflective matte white finish on reflective surfaces for increased efficiency.

Optics

Die formed white louver w/faceted straight-blade cross-members are engineered for optimal efficiency and performance. True-cut mitered corners and interlocking features provide strength and durability. Louver is protected by polyethyline cover when shipped w/fixture.

Hinging/Latching

Positive cam action spring loaded, self locking, steel latches with safety lock T-hinges allow hinging and latching from either side.

Controls

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

Compliance

Options to meet Buy American and other domestic preference requirements.



OPTICAHP SERIES

132 228T8 232

128T8

6 Cell

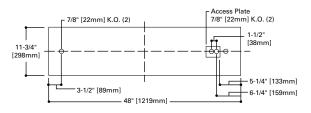
1' X 4' 1 OR 2 LAMPS



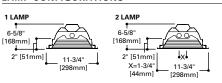


6-5/8" [168mm] 11-3/4" [298mm]

MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY



Aluminum FlangeTrim With Supporting Swing Gates



MZ
Modular Trim
With Supporting
Swing Gates

ular Trim	Ceiling Type	Trim
Supporting	Exposed Grid	G
g Gates	Concealed T	G
_ /	Slot Grid	G
	Flange	F
/	Concealed "T" or "Z"	MZ
∭F/	Metal Pan	MZ
쁘	(Verify compatibility/ co	onsult

Pre Sales Technical Support.)

ENERGY DATA

Input Watts:

HB Ballast & HL Lamps 128T8 (27), 132 (30)

228T8 (48), 232 (55)

Luminaire Efficacy Rating

LER = FP-79

Catalog Number: OPG-232FB16W Yearly Cost of 1000 lumens. 3000 hrs at .08 KWH = \$3.04

*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.

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

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

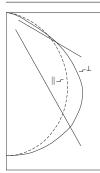




disconnecting power. ADF092092



PHOTOMETRICS



OPG-232FB16W

Electronic Ballast F32T8/50K Lamps 3100 Lumens Spacing criterion: (II) 1.2 x mounting height, (\perp) 1.3 x mounting height Efficiency 83.5% Test Report: OPG-232FB16W.IES LER = FP79 Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.04

Candlepower

Angle	Along II	45°	Across 1
0	632	632	632
5	628	631	631
10	616	623	628
15	598	609	619
20	572	588	607
25	542	563	592
30	506	533	576
35	465	502	548
40	421	465	518
45	375	422	477
50	326	376	408
55	276	323	334
60	226	254	247
65	174	184	139
70	122	112	82
75	76	62	50
80	45	36	26
85	20	15	10
90	0	0	0

Coefficients of Utilization

	Eff	ecti	ve fl	oor c	avity r	eflec	tano	e	20%									
rc		80	1%			70	1%			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	99	99	99	99	97	97	97	97	93	93	93	89	89	89	85	85	85	84
1	92	88	85	82	89	86	83	80	83	80	78	79	77	76	76	75	73	72
2	84	77	72	68	82	76	71	67	73	69	65	70	67	64	68	65	62	61
3	77	68	62	57	75	67	61	56	65	59	55	62	58	54	60	57	53	52
4	70	61	54	48	69	60	53	48	58	52	47	56	51	47	54	50	46	44
5	65	54	47	42	63	54	47	42	52	46	41	50	45	41	49	44	40	39
6	60	49	42	37	58	48	41	36	47	41	36	45	40	36	44	39	36	34
7	56	45	37	32	54	44	37	32	43	36	32	41	36	32	40	35	32	30
8	52	41	34	29	50	40	33	29	39	33	29	38	32	28	37	32	28	27
9	48	37	31	26	47	37	30	26	36	30	26	35	30	26	34	29	26	24
10	45	34	28	24	44	34	28	24	33	27	23	32	27	23	32	27	23	22

Zonal Lumen Summary

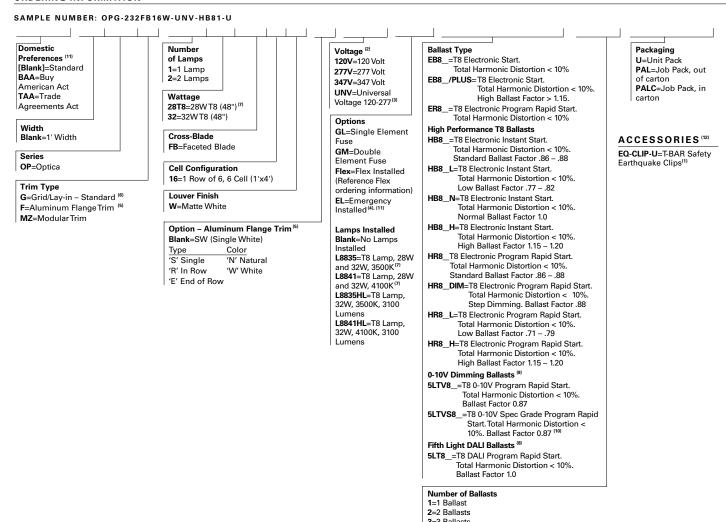
Zone	Lumens	%Lamp	%Fixture
0-30	493	24.6	29.5
0-40	809	40.4	48.4
0-60	1412	70.6	84.6
0-90	1669	83.5	100.0
0-180	1669	83.5	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm			
45	1427	1605	1815			
55	1294	1515	1566			
65	1108	1171	885			
75	790	644	520			
85	617	463	309			



ORDERING INFORMATION



NOTES: ⁽¹⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. ⁽²⁾ Products also available in non-US voltages and frequencies for international markets. ⁽³⁾ Not available when specifying emergencies, voltage must be specific. ⁽⁴⁾ Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. ⁽⁵⁾ Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁶⁾ Louver is recessed by 5/16" in Concealed T or Slot Grid. ⁽⁷⁾ When utilizing 28WT8 lamps, HBT8 ballast must be specified. ⁽⁸⁾ For a complete listing of Fifthlight Technology products and other solutions from Cooper Controls, visit www.coopercontrol.com. ⁽⁹⁾ O-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. ⁽¹⁰⁾ Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible with low mercury and energy saving lamps. ⁽¹¹⁾ Please specify regret voltage, 120 or 277V. ⁽¹¹⁾ Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. ⁽¹²⁾ Accessories sold separately will be separately analyzed under domestic preference requirements. ⁽¹²⁾ Accessories sold separately will be separately analyzed under domestic preference

requirements. Consult factory for further information

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



Catalog No. OPG-132FB16W 29 lbs OPG-232FB16W 29 lbs.

