

DESCRIPTION

The Metalux Horizon Surface/Suspended Wall Wash Series features recessed aesthetics and the latest in Energy Efficient Technology. The clean architectural design incorporates precision-formed aluminum reflector features that produces efficient, uniform and continuous vertical wall illumination.

The Horizon Surface/Suspended Wall Wash Series is specifically designed for effective use in various retail, merchandising and commercial wall washing environments. Horizon is ideal for retail displays, showrooms, corridor walls, art lighting and the elimination of the "Cave Effect" in office lighting applications.

SPECIFICATION FEATURES

Construction

Nominal 4-1/2" deep 10"x4' housing designed for use with T8 and biaxial lamps. The housing is constructed of die formed code gauge prime cold rolled steel. Housing incorporates a longitudinal flange for grid installation or ceiling tile support. KO's for continuous row mounting.

Electrical*

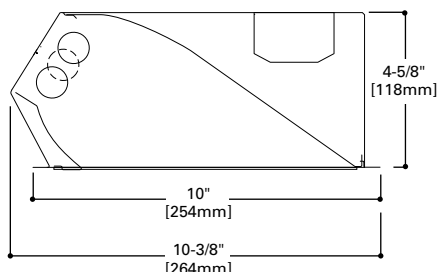
Ballasts are CBM/ETL Class "P" and are positively secured. Biax models use 2G11 base lampholders with double-edge wiping action pressure lock contacts and lamp support clips. T8 models use pressure-lock lampholders. UL/CUL listed. Suitable for damp locations.

Finish

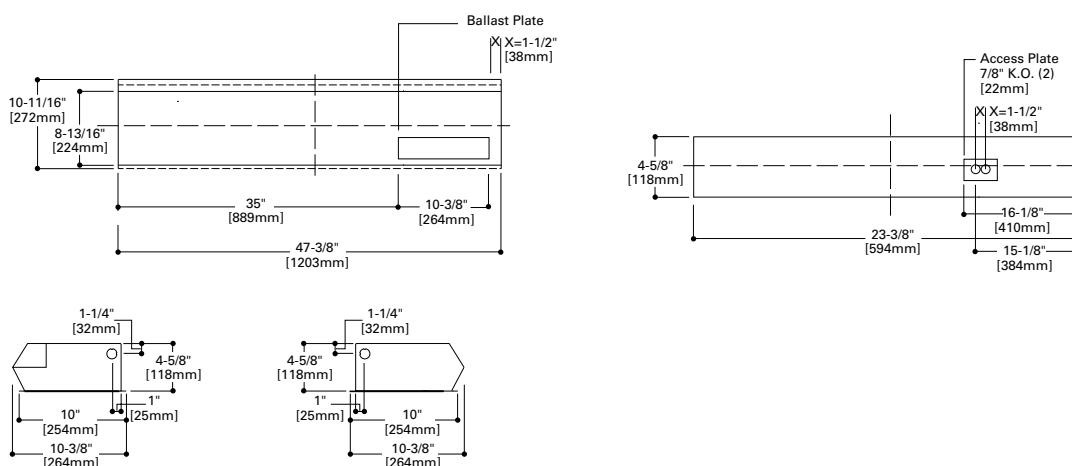
Electrostatically applied baked white polyester powder enamel finish. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

Reflector Optical Assembly

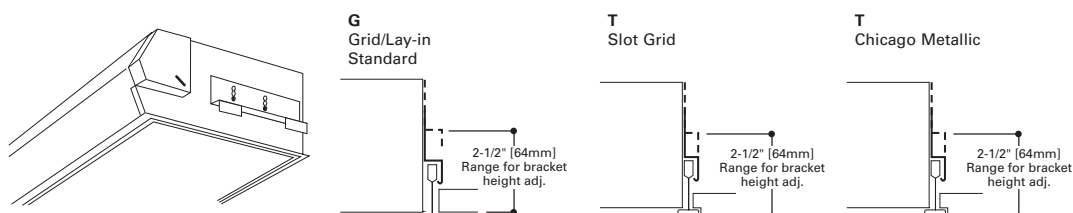
The internal aluminum reflector optical assembly incorporates an upper "Scoop" and lower "Kick" reflector design. This design produces uniform even illumination on vertical surfaces. Continuous illumination is maintained to the junction of the wall and the ceiling. Reflectors are precision manufactured from specular low iridescent aluminum in a computer-controlled operation.



MOUNTING DATA



INSTALLATION DATA



RWW
132
232
T1BX40

1' X 4'
RECESSED
WALL WASH

T8 OR BIAxIAL LAMPS

Vertical Illumination
Luminaire

HORIZON™

ENERGY DATA

Input Watts:
Electronic Ballast & STD Lamps
132 (32)
232 (58)
T1BX40 (71)
T1BX50 (106)
T1BX55 (117)

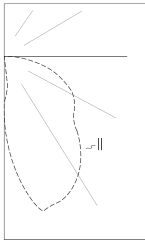
ES Ballast & STD Lamps
132 (30)
232 (55)
1BX50 (54 Watts)
T2BX50 (106 Watts)

STD Ballast & STD Lamps
T1BX40 (77)

*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

LINEAR DISCONNECT
Safe and convenient means of disconnecting power.



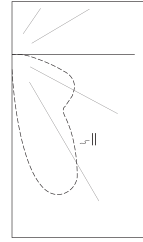
RWW-232MI
Electronic Ballast
F32T8/835 Lamps
2800 Lumens
Efficiency 69.7%
Test Report:
RWW232MI.IES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	959	17.1	24.6
0-40	1640	29.3	42.0
0-60	2973	53.1	76.2
0-90	3902	69.7	100.0
0-180	3902	69.7	100.0

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	50	30	10	0
RCR																								
0	83	83	83	83	81	81	81	81	77	77	77	74	74	74	71	71	71	70						
1	76	73	70	67	74	71	68	66	68	66	64	65	64	62	63	61	60	59						
2	69	63	59	55	67	62	58	54	60	56	53	57	54	52	55	53	51	49						
3	63	56	50	46	61	55	50	45	53	48	45	51	47	44	49	46	43	42						
4	58	49	43	39	56	49	43	38	47	42	38	45	41	37	44	40	37	35						
5	53	43	37	32	51	43	37	32	41	36	32	40	35	32	39	34	31	30						
6	48	39	32	28	47	38	32	28	37	31	27	36	31	27	35	30	27	26						
7	44	35	28	24	43	34	28	24	33	28	24	32	27	24	31	27	23	22						
8	41	31	25	21	40	30	25	21	30	24	20	29	24	20	28	23	20	19						
9	37	28	22	18	36	27	22	18	26	21	18	26	21	17	25	21	17	16						
10	35	25	19	15	34	25	19	15	24	19	15	23	19	15	23	18	15	14						



RWW-T1BX40
Electronic Ballast
F40BX/835/RS Lamps
3150 Lumens
Efficiency 79.9%
Test Report:
RWWT1BX40MI.IES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1095	17.4	21.8
0-40	1998	31.7	39.7
0-60	3648	57.9	72.5
0-90	5031	79.9	100.0
0-180	5031	79.9	100.0

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	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	86	82	79	76	84	81	77	74	77	74	72	74	72	70	71	69	68	66						
2	78	71	66	61	76	70	65	60	67	63	59	64	61	57	62	59	56	54						
3	71	62	56	50	69	61	55	50	59	53	49	57	52	48	54	51	47	45						
4	65	55	48	42	63	54	47	42	52	46	41	50	45	41	48	44	40	38						
5	59	48	41	35	57	47	40	35	45	39	34	44	38	34	42	38	34	32						
6	54	43	35	30	52	42	35	30	40	34	29	39	33	29	38	33	29	27						
7	50	38	31	26	48	37	30	25	36	30	25	35	29	25	34	29	25	23						
8	45	34	27	22	44	33	26	22	32	26	22	31	26	21	30	25	21	20						
9	42	30	23	18	40	30	23	18	29	23	18	28	22	18	27	22	18	16						
10	39	27	20	16	37	27	20	16	26	20	16	25	20	16	24	19	16	14						

WALL ILLUMINANCE

Individual Unit*											Multiple Units*											Continuous Row*										
0' 1' 2' 3' 4' 5' 6' 7' 8'											0' 1' 2' 3' 4' 5' 6' 7' 8'											0' 1' 2' 3' 4' 5' 6' 7' 8'										
Ceiling											Ceiling											Ceiling										
8'	65	59	42	24	13	7	4	2	2		8'	69	63	48	33	27	33	48	63	69		8'	95	95	95	95	95	95	95	95	95	95
7'	82	74	56	35	20	11	7	4	3		7'	88	81	65	49	42	49	65	81	88		7'	128	129	129	129	129	129	129	129	129	129
6'	64	59	47	33	21	13	8	5	3		6'	72	68	58	48	44	48	58	68	72		6'	113	113	114	114	114	114	114	114	114	115
5'	50	46	38	28	19	13	8	6	4		5'	59	56	50	44	42	44	50	56	59		5'	96	97	98	98	99	99	99	99	99	99
4'	35	33	29	23	17	12	8	6	4		4'	45	43	40	37	36	37	40	43	45		4'	76	78	78	79	79	79	80	79	79	79
3'	25	24	21	18	14	10	8	6	4		3'	34	34	33	31	31	31	33	34	34		3'	60	62	62	63	63	63	64	64	64	64
2'	18	18	16	14	11	9	7	5	4		2'	28	27	27	26	26	26	27	27	28		2'	49	50	51	51	52	52	52	52	52	52
1'	14	14	13	11	10	8	6	5	4		1'	23	23	23	23	23	23	23	23	23		1'	41	43	43	44	44	44	45	45	45	45
Floor											Floor											Floor										

*Units located 3' from wall. Data provided for RWW-232MI Unit

ORDERING INFORMATION

SAMPLE NUMBER: RWW-232MI-120V-EB81-U

Series RWW=Recessed Wall Wash	Louver Finish I=Semi-Specular/Haze (Low Iridescent) Standard MI=Specular/Mirrored (Low Iridescent)	Ballast Type Blank=Standard Magnetic Ballast (40W Biax only) EB8_=T8 Electronic Start. Total Harmonic Distortion < 10% EB8_/PLUS=T8 Electronic Start. Total Harmonic Distortion < 10%. High Ballast Factor > 1.15. ER8_=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% EB5_=T5 Biax Electronic Instant Start Total Harmonic Distortion < 20% ⁽⁵⁾ TEB5_=T5 Biax Electronic Instant Start Total Harmonic Distortion < 10% ⁽⁵⁾ ER5_=T5 Biax Electronic Program Rapid Start. Total Harmonic Distortion < 10%	Options RLS=Rotor-Lock Socket (T8 Lamps Only)	Packaging U=Unit Pack PALC=Job Pack, in carton
Number of Lamps (Not included) 1=1 Lamp 2=2 Lamp T1=2' x 4' Fixture with one Biax Lamp at each end	Voltage ⁽¹⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277 ⁽²⁾	Number of Ballasts 1=1 Ballast 2=2 Ballasts	Accessories DF-104-W=4' Version Drywall Frame Kit	
Wattage (Length) 32=32W T8 (48") BX40=40W Biax (24") ⁽³⁾ ⁽⁴⁾ BX50=50W Biax (24") ⁽³⁾ ⁽⁴⁾ BX55=55W Biax (24") ⁽³⁾ ⁽⁴⁾	Options GL=Single Element Fuse GM=Double Element Fuse EL=Emergency installed			

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ UNV available in T5 and T8 linear only. Not available when specifying emergencies, voltage must be specific. ⁽³⁾ Electronic ballast only. ⁽⁴⁾ Biax only available in 1 lamp cross section. ⁽⁵⁾ Not available in UNV voltages. Must specify voltage.

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

SHIPPING DATA

Catalog No.	Wt.
RWW-132	17.5
RWW-232	17.5