

DESCRIPTION

The Metalux Horizon Recessed 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 Recessed 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" x 2' housing designed for use with 40, 50 and 55 watt biaxial 17W T8 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

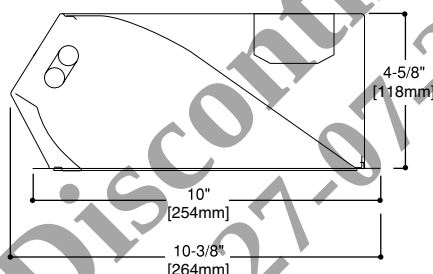
Electrostatically applied baked white polyester powder enamel finish. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled an eleat vated temperature.

Reflector Optical Assembly

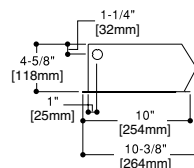
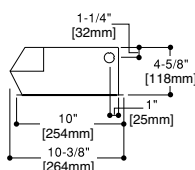
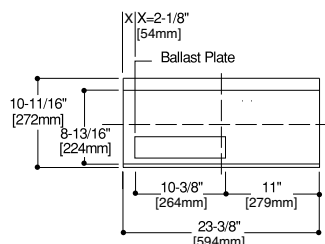
The internal aluminum reflector optical assembly incorporates an upper "Scoop" and lower "Kick" reflector design. This design produces uniform even illumination on vertical surfaces. Continuous illumination is maintained to the junction of the wall and the ceiling. Reflectors are precision manufactured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

Compliance

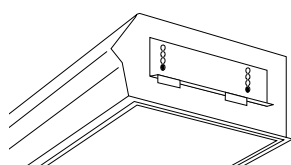
Options to meet Buy American and other domestic preference requirements.



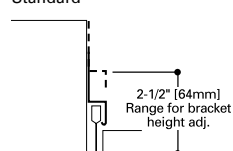
MOUNTING DATA



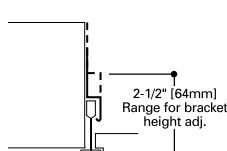
INSTALLATION DATA



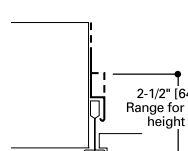
G
Grid/Lay-in
Standard



T
Slot Grid



T
Chicago Metallic



*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.



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RWW
1BX40
117
217

1' X 2'
RECESSED WALL WASH
BIAXIAL OR T8 LAMPS

Vertical Illumination
Luminaire

HORIZON™



ENERGY DATA

Input Watts:

Electronic Ballast & STD Lamps

1BX40 (43)
1BX50 (54)
1BX55 (60)
117 (19)
217 (34)

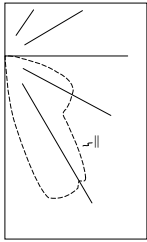
STD Ballast & STD Lamps

1BX40 (48)
117 (23)
217 (45)

ES Ballast & STD Lamps

117 (23)
217 (45)

PHOTOMETRICS



RWW-1BX40MI
Electronic Ballast
F14T5/835 Lamps
3150 Lumens
Efficiency 80.4%
Test Report
#167P117

Candlepower

Angle	Along II	45°	Across ⊥
0	196	196	196
5	430	376	197
10	1051	674	195
15	1671	1245	192
20	1877	1637	187
25	1898	1753	182
30	1844	1772	174
35	1675	1713	164
40	1290	1624	154
45	1148	1380	145
50	1122	1056	133
55	1104	920	121
60	1074	851	109
65	1040	798	98
70	882	728	93
75	496	591	88
80	271	261	71
85	242	157	24
90	0	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	526	16.7	20.7
0-40	979	31.1	38.6
0-60	1835	58.3	72.4
0-90	2534	80.4	100.0
0-180	2534	80.4	100.0

Coefficients of Utilization

Effective floor cavity reflectance																20%										
rc	80%								70%				50%				30%				10%				0%	
	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	96	96	96	96	94	94	94	94	89	89	89	86	86	86	82	82	82	80								
1	87	83	79	76	85	81	78	75	78	75	73	75	72	70	72	70	68	67								
2	79	72	66	61	77	70	65	61	67	63	59	65	61	58	62	59	57	55								
3	72	63	56	51	70	62	55	50	59	54	49	57	52	48	55	51	48	46								
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	46	39	34	44	38	34	42	37	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	25	48	37	30	25	36	30	25	35	29	25	34	29	25	23								
8	45	34	26	21	44	33	26	21	32	26	21	31	25	21	30	25	21	19								
9	42	30	23	18	40	29	23	18	29	22	18	28	22	18	27	22	18	16								
10	38	27	20	16	37	27	20	16	26	20	15	25	19	15	24	19	15	14								

WALL ILLUMINANCE

Individual Unit*										Multiple Units*												Continuous Row*										
0' 1' 2' 3' 4' 5' 6' 7' 8'										0' 1' 2' 3' 4'						0' 1' 2' 3' 4' 5' 6'						0' 1' 2' 3' 4' 5' 6' 7' 8'										
Ceiling										Ceiling												Ceiling										
8'	57	47	27	13	6	3	2	1	1	8'	72	66	60	66	72	62	52	35	28	35	52	62	8'	131	131	131	131	131	131	131	131	131
7'	54	46	31	17	10	5	3	2	1	7'	77	73	69	73	77	62	55	43	37	43	55	62	7'	146	146	146	147	147	147	147	147	147
6'	36	32	24	15	10	6	4	2	1	6'	59	58	57	58	60	44	42	37	33	36	42	44	6'	115	116	116	116	116	116	116	116	116
5'	29	27	21	14	9	6	4	3	2	5'	52	52	53	53	53	39	37	34	32	34	37	39	5'	104	105	105	105	106	106	106	106	106
4'	22	21	17	13	9	6	4	3	2	4'	44	45	45	45	45	32	31	30	29	30	31	32	4'	89	90	91	91	91	91	91	91	91
3'	15	15	13	10	8	5	4	3	2	3'	34	35	36	36	36	24	24	24	24	24	25	25	3'	70	71	72	72	72	72	72	72	72
2'	11	10	9	8	6	5	4	3	2	2'	27	28	28	29	29	19	19	19	19	20	20	20	2'	55	56	57	57	58	58	58	58	58
1'	8	8	7	6	5	4	3	3	2	1'	22	23	24	24	24	16	16	16	16	16	17	16	1'	46	47	48	48	48	49	49	49	49
Floor										Floor												Floor										

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

Fixture Location: 36" from center of luminaire to wall. Mounting Height: 9ft.

ORDERING INFORMATION

SAMPLE NUMBER: RWW-1BX40MI-120V-EB51-U

Domestic Preferences⁽⁶⁾
[Blank]=Standard
BAA=Buy American Act
TAA=Trade Agreements Act

Series
RWW=Recessed Wall Wash

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

Wattage (Length)
17=17W T8 (24")
BX40=40W BiAx (24")^{(3) (4)}
BX50=50W BiAx (24")^{(3) (4)}
BX55=55W BiAx (24")^{(3) (4)}

Louver Finish
I=Semi-Specular/Haze (Low Iridescent)
Standard
MI=Specular/Mirrored (Low Iridescent)

Voltage⁽¹⁾
120V=120 Volt
277V=277 Volt
347V=347 Volt
UNV=Universal Voltage 120-277⁽²⁾

Options
GL=Single Element Fuse
GM=Double Element Fuse
EL=Emergency installed

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%

Number of Ballasts
1=1 Ballast
2=2 Ballasts

Options
RLS=Rotor-Lock Socket (T8 Lamps Only)

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

Accessories⁽⁷⁾
DF-102-W=2" Version Drywall Frame Kit

SHIPPING DATA

Catalog No.	Wt.
RWW-1BX40	11.0
RWW-117	11.0
RWW-217	11.0

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. ⁽⁶⁾ 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. ⁽⁷⁾ 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.