

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 4' housing designed for use with T5 and T5 HO 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 Class "P" and are positively secured. Rotor-lock lampholders ensure positive lamp retention. UL/CUL listed. Suitable for damp locations.

Finish

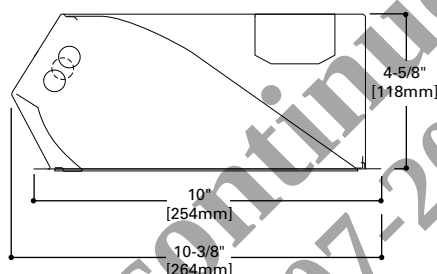
Electrostatically applied baked white polyester powder enamel finish. Multistage cleaning cycle, iron phosphate coating with rust inhibitor. Conveyorized application and baking timing accurately controlled at an elevated temperature.

Reflector Optical Assembly

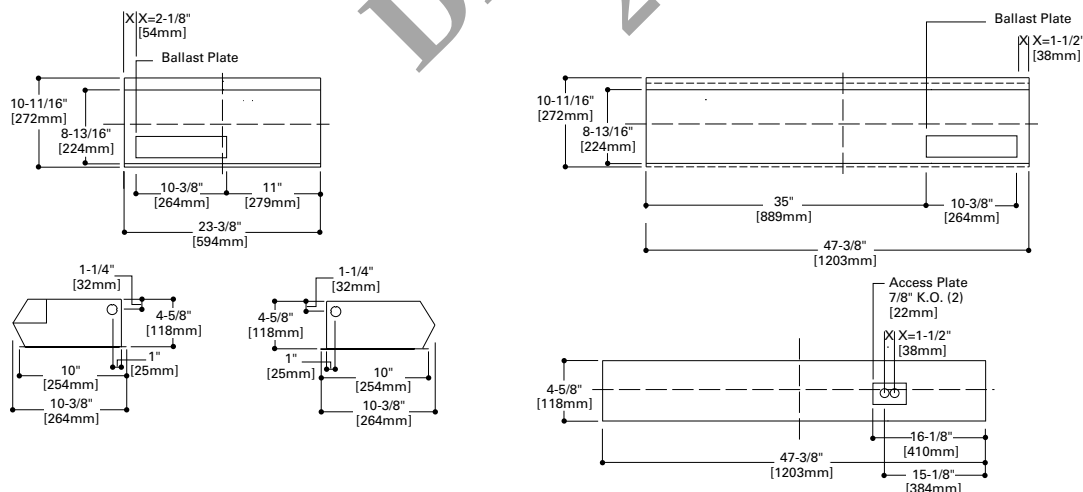
The internal aluminum reflector optical assembly incorporates an upper "Scoop" and lower "Kick" reflector design. This design produces uniform even illumination on vertical surfaces. Continuous illumination is maintained to the junction of the wall and the ceiling. Reflectors are precision manufactured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

Compliance

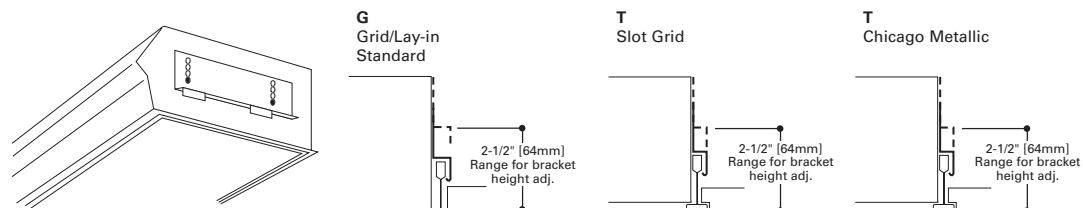
Options to meet Buy American and other domestic preference requirements.



MOUNTING DATA



INSTALLATION DATA



Catalog #	Type
Project	
Comments	
Prepared by	



RWW

114 T5
214 T5
124 T5
224 T5
128 T5
228 T5
154 T5
254 T5

1' X 2' AND 1' X 4'
RECESSED WALL WASH
T5 OR T5HO LAMPS

Vertical Illumination
Luminaire

HORIZON™



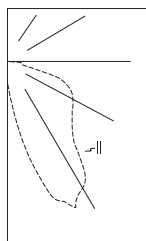
ENERGY DATA

Input Watts:

Electronic Ballast & STD Lamps

114 T5 (19)
214 T5 (38)
124 T5 (26)
224 T5 (52)
128 T5 (32)
228 T5 (68)
154 T5 (58)
254 T5 (120)

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



RWW-214T5MI
Electronic Ballast
F14T5/835 Lamps
1350 Lumens
Efficiency 76.7%
Test Report
#167P119

Candela

Angle	Along II	45°	Across ⊥
0	180	180	180
5	478	432	185
10	777	631	183
15	1389	968	181
20	1672	1392	176
25	1673	1562	170
30	1602	1653	162
35	1320	1498	151
40	1115	1386	139
45	1018	1092	125
50	969	923	110
55	919	822	94
60	848	741	80
65	739	652	68
70	499	547	49
75	257	330	29
80	229	158	8
85	172	127	0
90	0	0	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	461	17.1	22.3
0-40	847	31.4	40.9
0-60	1586	58.7	76.6
0-90	2071	76.7	100.0
0-180	2071	76.7	100.0

Coefficients of Utilization

rc	Effective floor cavity reflectance						20%					
	80%			70%			50%			30%		
rw	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	91	91	91	91	89	89	89	89	85	85	85	82
1	84	80	77	74	81	78	75	73	75	72	70	72
2	76	70	65	60	74	68	64	60	66	62	57	61
3	69	61	55	50	68	60	54	50	58	53	49	56
4	63	54	47	42	62	53	47	42	51	46	41	48
5	57	47	40	35	56	46	40	35	45	39	34	43
6	53	42	35	30	51	41	35	30	40	34	29	39
7	48	37	30	25	47	37	30	25	36	30	25	33
8	44	33	26	22	43	33	26	22	32	26	21	31
9	40	29	23	18	39	29	23	18	28	22	18	27
10	37	26	20	16	36	26	20	16	25	20	16	24

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						Ceiling									
8'	38	31	18	9	4	2	1	1	1	8'	48	44	40	44	48	42	35	24	19	24	35	42	8'	89	88	89	89	89	89	89	
7'	56	48	32	18	10	5	3	2	1	7'	78	75	71	75	79	63	56	44	38	44	56	63	7'	150	150	150	150	150	150	150	
6'	39	35	26	17	11	6	4	2	2	6'	64	63	61	63	65	48	45	40	37	40	45	48	6'	125	126	126	126	126	126	126	
5'	30	27	22	15	10	7	4	3	2	5'	54	54	54	54	55	40	38	35	33	35	38	40	5'	108	108	109	109	109	109	109	
4'	23	22	18	14	9	7	5	3	2	4'	46	47	48	48	48	34	33	31	31	31	33	34	4'	94	95	95	96	96	96	96	
3'	17	16	14	11	8	6	4	3	2	3'	37	38	39	39	39	27	27	26	26	26	27	27	3'	76	77	78	78	79	79	79	
2'	12	12	10	9	7	5	4	3	2	2'	30	31	31	32	32	21	21	21	21	22	22	22	2'	61	62	63	63	64	64	64	
1'	9	9	8	7	6	5	4	3	2	1'	25	26	26	26	27	18	18	18	18	18	18	18	1'	51	52	53	53	54	54	54	
Floor										Floor						Floor						Floor									
*Units located 3' from wall. Data provided for RWW-214T5MI Unit										Fixture Location: 36" from center of luminaire to wall. Mounting Height: 9ft.																					

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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 Biac (24") ⁽³⁾⁽⁴⁾
BX50=50W Biac (24") ⁽³⁾⁽⁴⁾
BX55=55W Biac (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 Biac 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 Biac Electronic Instant Start
Total Harmonic Distortion < 20% ⁽⁵⁾
TEB5=T5 Biac Electronic Instant Start
Total Harmonic Distortion < 10% ⁽⁵⁾
ER5=T5 Biac 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)

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

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

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⁾ Biac 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.

SHIPPING DATA

Catalog No.	Wt.
RWW-114T5	11.0
RWW-214T5	11.5
RWW-128T5	17.5
RWW-228T5	18.0