

# COOPER LIGHTING - METALUX®

## DESCRIPTION

The WN Series is a surface wraparound luminaire featuring energy efficient performance. The luminaire's clean, low profile design is both appealing and functional. The WN Series utilizes a clear, low brightness, extruded acrylic refractor for high performance and aesthetics.

The efficient and stylish WN Series is the perfect wraparound for commercial applications.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### A... Construction

Housing consists of die formed cold rolled steel. Ends formed with the housing for strength and provisions for continuous row aligners. Steel end plates with 7/8" KO and light-seal embossment. Ballast cover easily removed without tools.

### B... Electrical\*

Commercial instant start ballast. 120V. Total Harmonic Distortion < 10%. Rotor lock lampholders. UL/CUL, Energy Star listed. Suitable for damp locations.

### C... Finish

Multistage, prepaint ensures maximum bonding and rust prevention.

### D... Lens

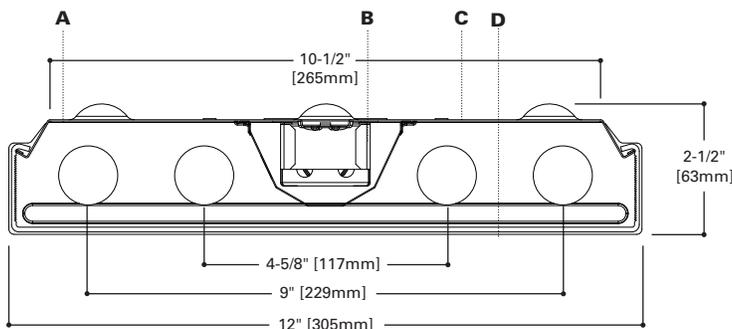
100% clear acrylic prismatic lens. Sides have inside linear prisms and bottom has pyramidal prisms for low brightness control.



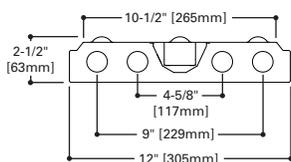
**WN  
432**

**4' SURFACE  
T8 LAMPS**

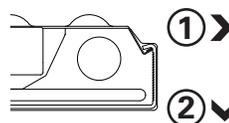
Commercial Wrap



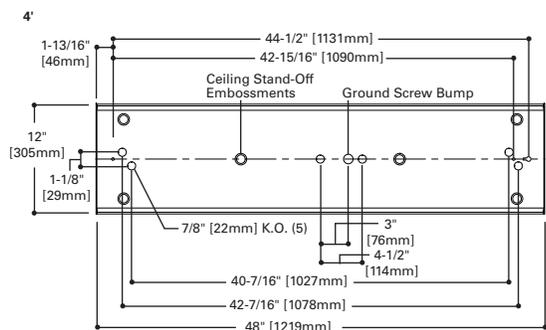
## LAMP CONFIGURATIONS



## LENS REMOVAL



## MOUNTING DATA



## ENERGY DATA

Input Watts:

**REB1 Ballast & STD Lamps  
432 (102)**

Luminaire Efficacy Rating  
**LER = FW-84  
Catalog Number: WN-432**

**Yearly Cost of 1000 lumens,  
3000 hrs at .08 KWH = \$2.86**

\*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**

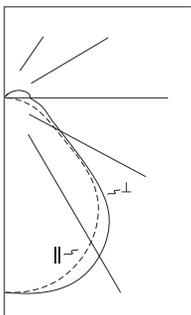
Safe and convenient means of disconnecting power.

ADF091173

COOPER LIGHTING



PHOTOMETRICS



**WN32**  
Energy Saving  
Ballast

F32T8/35K Lamps  
3100 Lumens

Spacing criterion:  
(II) 1.3 x mounting  
height, (⊥) 1.4 x  
mounting height

Efficiency 79.1%

Test Report:  
134P131

LER = FW-84

Yearly Cost of 1000  
lumens, 3000 hrs at  
.08 KWH = \$2.86

**Coefficients of Utilization**

rc	Effective floor cavity reflectance																	
	80%				70%				20%									
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0%
<b>RCR</b>																		
0	93	93	93	93	90	90	90	90	84	84	84	79	79	79	74	74	74	72
1	85	81	77	74	82	78	75	73	74	71	69	69	67	66	66	64	63	60
2	77	71	66	61	75	69	64	60	65	61	58	61	58	55	58	55	53	51
3	71	63	57	52	68	61	55	51	58	53	49	55	51	47	52	48	46	44
4	65	56	49	44	63	54	48	43	52	46	42	49	44	41	46	43	40	38
5	60	50	43	38	58	49	43	38	46	41	37	44	39	36	42	38	35	33
6	55	45	38	34	53	44	38	33	42	36	32	40	35	32	38	34	31	29
7	51	41	34	30	50	40	34	29	38	33	29	37	32	28	35	31	27	26
8	48	38	31	27	46	37	31	26	35	30	26	34	29	25	32	28	25	23
9	45	34	28	24	43	34	28	24	32	27	23	31	26	23	30	25	22	21
10	42	32	26	22	41	31	25	21	30	25	21	29	24	21	28	23	20	19

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	2652	21.4	27.0
0-40	4407	35.5	44.9
0-60	7345	59.2	74.8
0-90	8954	72.2	91.2
90-180	860	6.9	8.8
0-180	9814	79.1	100.0

**Typical VCP Percentages**

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	45	51	40	47
30 x 30	38	42	30	36
30 x 60	32	35	16	21
60 x 30	37	42	33	39
60 x 60	30	33	18	22

**Candela**

Angle	Along II	45°	Across ⊥
0	3220	3220	3220
5	3225	3244	3247
10	3206	3249	3276
15	3158	3236	3288
20	3071	3194	3264
25	2952	3117	3192
30	2802	3002	3071
35	2623	2843	2905
40	2402	2629	2683
45	2100	2316	2319
50	1650	1842	1773
55	1174	1394	1305
60	902	1067	1019
65	714	806	844
70	561	608	739
75	408	463	661
80	258	366	567
85	123	286	476
90	6	196	407

ORDERING INFORMATION

SAMPLE NUMBER: WN432

<b>Length</b> Blank=4' Length	<b>Series <sup>(1)</sup></b> WN=Surface Wrap	<b>Number of Lamps <sup>(2)</sup></b> 4=4 Lamps (Not Included)	<b>Wattage</b> 32=32WT8 (48")
----------------------------------	---	--	----------------------------------

**ACCESSORIES**

WN-4LT-DEC-ENDS=Decorative End  
Caps - 3 or 4 Lamps (2 pieces)

**NOTES:** <sup>(1)</sup>Steel endplates with 7/8" KO standard for continuous row mount. <sup>(2)</sup>2 point suspension recommended (up to 4').  
For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

**SHIPPING INFORMATION**

Catalog No.	Wt.
WN432	25 lbs.