

DESCRIPTION

The CR Series corridor wraparound features economy and energy efficient performance. CR luminaires utilizes a low brightness, extruded acrylic refractor with a heavy gauge end plate with embossed light seal for dependable performance and good looks.

The CR Series is an ideal complimentary wraparound luminaire for diverse applications requiring economical general lighting.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Channel and wireway cover/reflector are die formed code gauge prime cold rolled steel. Numerous KOs for ease of installation. Heavy end plates with 7/8" KO and embossed light seal. Lampholder mounting brackets easily installed with snap-in action. Channel/wireway cover secured with quarter turn fasteners.

Electrical*

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

Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibitor. Lighting grade, baked white enamel finish.

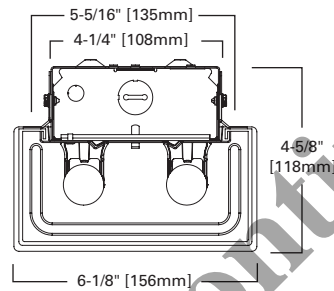
Frame/Shielding

Refractor/lens is of clear 100% virgin acrylic full thickness with inside prisms along sides and outside pyramidal prisms on bottom. Lens can be hinged from either side in a lift and shift manner. Optional lens clip included.

Note: Lens clips are required for all wall applications and recommended whenever the fixture is subject to vibration.

Compliance

Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements.

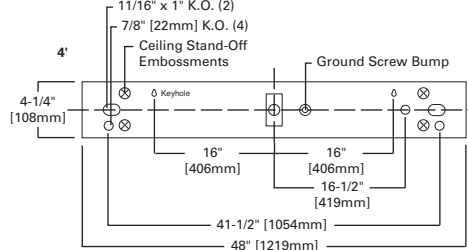
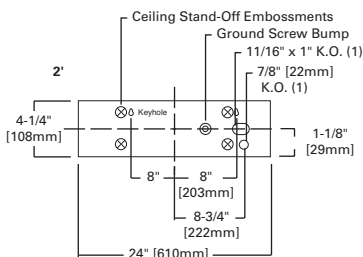
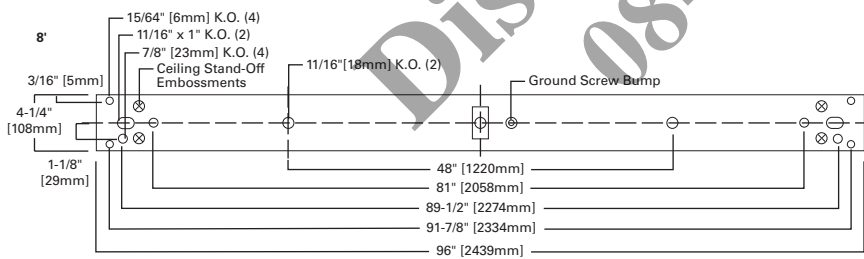


CR
117
132
196
217
232
296

2', 4' OR 8' SURFACE
1 OR 2 LAMPS

Corridor Wrap

MOUNTING DATA



ENERGY DATA

Input Watts:
HB Ballast & STD Lamps
 117 (18)
 132 (30)
 196 (68)
 217 (25)
 232 (53)
 296 (136)

Luminaire Efficacy Rating
LER = FW-79
Catalog Number: CR-232A
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.04

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

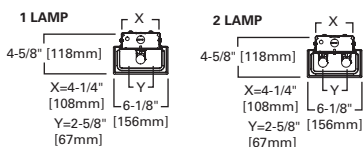
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

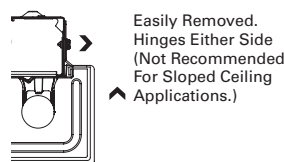
Safe and convenient means of disconnecting power.



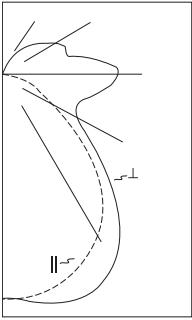
LAMP CONFIGURATIONS



LIFT & SHIFT REFRACTOR

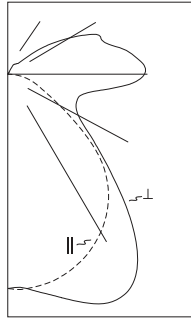


PHOTOMETRICS



CR-232A
 High Performance
 Ballast
 Two F32T8/35K
 Lamps
 2850 lumens
 Spacing criterion:
 (II) 1.2 x mounting
 height, (⊥) 1.4 x
 mounting height
 Efficiency 87.9%
 Test Report:
 CR232A.IES
 LER = FW-79
 Yearly Cost of 1000
 lumens, 3000 hrs
 at .08 KWH = \$3.04

Candela			
Angle	Along II	45°	Across ⊥
0	1240	1240	1240
5	1221	1251	1275
10	1155	1251	1308
15	1044	1180	1223
20	869	1000	1000
25	589	693	673
30	301	460	477
35	165	321	447
40	86	250	546
45	2	280	634
50	4	386	493
55	9	254	375
60	12	230	340
65	12	173	266
70	11	109	186
75	11	60	108
80	13	32	53
85	14	15	20
90	10	10	10



CR-132A
 Energy Saving
 Ballast
 One F32T8/35K
 Lamp
 3100 lumens
 Spacing criterion:
 (II) 1.3 x mounting
 height, (⊥) 1.5 x
 mounting height
 Efficiency 96.6%
 Test Report:
 CR-132A.IES
 LER = FW-103
 Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$2.33

Candela			
Angle	Along II	45°	Across ⊥
0	684	684	684
5	680	699	712
10	647	723	779
15	588	733	785
20	500	627	612
25	354	381	381
30	178	267	258
35	99	189	236
40	49	140	298
45	0	142	434
50	1	271	396
55	4	217	319
60	7	157	235
65	5	55	107
70	4	32	44
75	4	23	34
80	0	0	0
85	0	0	0
90	0	0	0

Coefficients of Utilization

rc	Effective floor cavity reflectance																							
	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	100	100	100	100	95	95	95	95	86	86	86	78	78	78	70	70	70	67					
	1	90	85	81	78	85	81	78	75	74	71	68	67	65	63	60	59	57	54					
	2	82	75	69	64	78	71	66	61	65	60	57	59	55	52	53	50	48	45					
	3	75	66	59	54	71	63	57	52	58	52	48	52	48	45	48	44	42	39					
	4	69	59	51	46	65	56	50	44	51	46	42	47	42	39	43	39	36	34					
	5	63	52	45	39	60	50	43	38	46	40	36	42	37	33	38	34	31	29					
	6	58	47	39	34	55	45	38	33	41	36	31	38	33	29	35	31	27	25					
	7	54	42	35	30	51	41	34	29	37	32	27	34	29	26	32	27	24	22					
	8	50	38	31	26	47	37	30	25	34	28	24	31	26	22	28	24	21	19					
	9	46	34	27	22	43	33	26	22	30	25	21	28	23	19	26	21	18	17					
	10	43	31	24	20	40	30	24	19	28	22	18	26	21	17	23	19	16	15					

Coefficients of Utilization

rc	Effective floor cavity reflectance																							
	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	109	109	109	109	104	104	104	104	94	94	94	84	84	84	76	76	76	72					
	1	98	93	88	84	93	88	84	80	79	76	73	72	69	67	64	62	60	57					
	2	89	81	74	68	84	77	71	66	69	65	60	63	59	55	56	53	51	47					
	3	81	71	63	57	77	68	61	55	61	56	51	55	51	47	50	46	43	40					
	4	75	63	55	48	70	60	53	47	55	48	44	50	44	40	45	41	37	34					
	5	69	56	48	42	65	54	46	40	49	43	38	45	39	35	40	36	33	30					
	6	63	51	42	36	60	49	41	35	44	38	33	40	35	31	37	32	29	26					
	7	59	46	38	32	56	44	37	31	40	34	29	37	31	27	34	29	26	23					
	8	55	42	34	29	52	40	33	28	37	31	26	34	28	25	31	26	23	21					
	9	51	38	31	26	48	37	30	25	34	28	23	31	26	22	29	24	21	19					
	10	48	35	28	23	45	34	27	22	31	25	21	29	24	20	27	22	19	17					

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1032	18.1	20.6
0-40	1707	29.9	34.1
0-60	2819	49.5	56.3
0-90	3807	66.8	76.0
90-180	1202	21.1	24.0
0-180	5009	87.9	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	62	67	57	65
30 x 30	55	59	44	53
30 x 60	48	51	28	34
60 x 30	54	58	49	55
60 x 60	46	49	30	36

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	600	19.4	20.0
0-40	1017	32.8	34.0
0-60	1663	53.6	55.5
0-90	2226	71.8	74.4
90-180	768	24.8	25.5
0-180	2994	96.6	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	3265	3749	3607
55	2343	2867	2802
65	1596	2793	2993
75	1507	3238	5050
85	1330	7740	23281

Discontinued
08-22-2012

ORDERING INFORMATION

SAMPLE NUMBER: CR-232A-UNV-EB81-U

<p>Tandem Blank=2' or 4' Length⁽¹⁾ 8T=8' Length One Piece 8' Lens</p>	<p>Number of Lamps (Not Included) 1=1 Lamp 2=2 Lamps</p>
<p>Series CR=Corridor Lite</p>	<p>Wattage 17=17WT8 (24") 32=32WT8 (48") 96=59WT8 SL (96")</p>
	<p>Lens A=Acrylic Refractor/Lens</p>
	<p>Voltage ⁽²⁾ UNV=Universal Voltage 120-277</p>

<p>Ballast Type ⁽²⁾ EB8_=T8 Electronic Start. Total Harmonic Distortion < 10% EB8_ /PLUS= T8 Electronic Start. Total Harmonic Distortion < 10%. High Ballast Factor > 1.13. ER8_=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% ER8_ /PLUS= T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor > 1.15. High Performance T8 Ballast (HPT8) HB8_=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .88 HB8_ L=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 HB8_ N=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0 HB8_ H=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.15 - 1.20 HR8_=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .88 HR8_ DIM=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88 HR8_ L=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 - .79 HR8_ H=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20</p>

<p>Packaging U=Unit Pack</p>

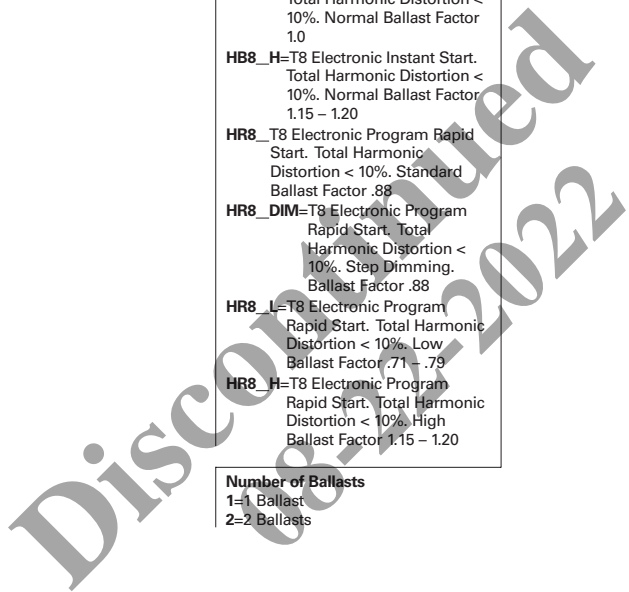
ACCESSORIES

- (Order Separately)
- SCF=Fixed Stem Set (Specify Length)
 - SCS=Swivel Stem Set (Specify Length)
 - SCA=Adjustable 48" Stem Set
 - A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 per fixture)
 - HBAYC-CHAIN/SET/U=(2) V-Hook Hanger, 36" Chain Sets w/S-Hooks
 - GRP-SSF=Gripper Hanger (Use 2 Per Fixture)
- Additional Accessories Available. See Options and Accessories Section.

NOTES: ⁽¹⁾Length of fixture (2' or 4') determined by lamp wattage chosen. ⁽²⁾Products also available in non-US voltages and frequencies for international markets. ⁽³⁾Not available when specifying emergencies, voltage must be specific.

For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information

<p>Number of Ballasts 1=1 Ballast 2=2 Ballasts</p>



SHIPPING DATA

Catalog No.	Wt.
CR-132A	14 lbs.
8TCR-132A	24 lbs.
CR-232A	16 lbs.
8TCR-232A	26 lbs.



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Specifications and dimensions subject to change without notice.