

COOPER LIGHTING - METALUX®

DESCRIPTION

The Ovation Series is a complete family of recessed direct/indirect luminaires featuring pleasant modern architectural styling, computer-designed optics and the latest energy efficient lamp and ballast technology. The luminaire combines a matte white indirect reflector and a perforated direct lamp shield to provide optimum brightness control. All components are located above the ceiling plane for a clean architectural appearance in the finished space. Carefully balanced design elements combine to provide an efficient and exciting alternative to traditional general lighting. Ovation is an excellent choice for a wide variety of commercial applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A...Construction

Nominal 6" deep housing is die formed of code gauge, prime cold rolled steel. Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps. Four auxiliary fixture end suspension points are provided. KOs for continuous row wiring. Large access plate for supply connection.

B...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 vertically oriented lamp support clips. T8 models use rotor-lock lampholders for positive lamp retention. UL/CUL listed. Suitable for damp locations.

C...Ballast Access

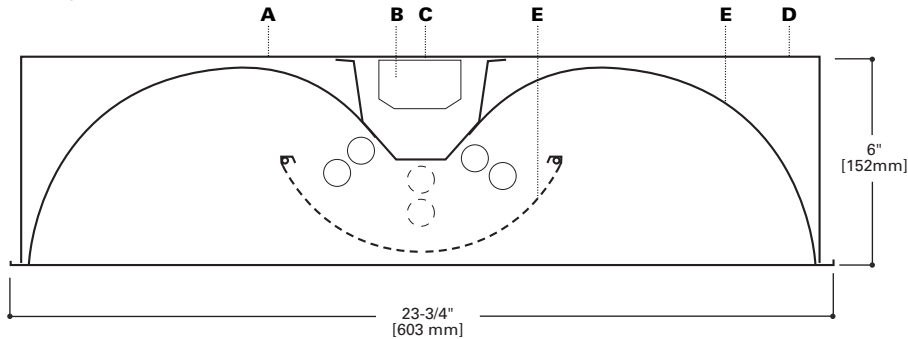
Ballast can be removed from below without tools or from above using the unique ballast mounting/access plate.³

D...Finish

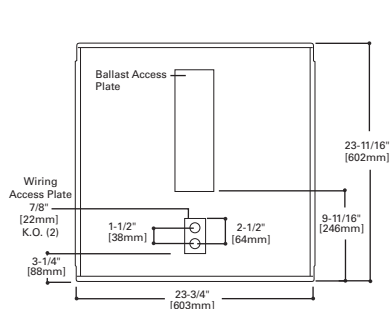
Durable cold rolled steel with multistage, iron phosphate pretreatment and white enamel finish to ensure maximum bonding and rust inhibition.

E...Reflectors

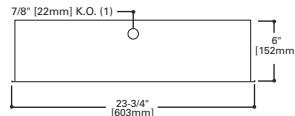
Indirect reflector has high reflectance baked matte white enamel finish for luminous uniformity. A positively retained direct lamp shield is constructed of heavy gauge perforated steel with high reflectance painted after fabrication finish and milky white overlay diffuser for visual comfort. All reflectors are precision formed in a computer-controlled operation.



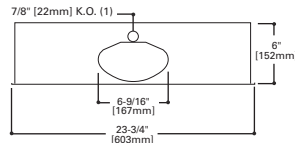
MOUNTING DATA



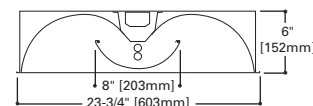
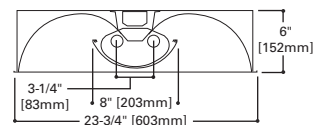
BIAX MODEL



T8 MODEL



LAMP CONFIGURATIONS

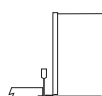


CEILING COMPATIBILITY

G Grid/Lay-in Standard



T Slot Grid



F Drywall Frame Kit



Ceiling Type**

Exposed Grid
Concealed T
Slot Grid
Flange

Trim Type

G
G or T
G or T

Note: Compatible with Armstrong DC FlexZone 9/16" Silhouette® (T) and Suprafine® (G) Grid Systems



2RDI
1BX40
217

BIAXIAL OR T8 LAMPS

2' X 2' Recessed
Direct/Indirect
Center-Mount

Ovation™



Armstrong® DC FlexZone™
Compatible

ENERGY DATA

Input Watts:

EB Ballast & STD Lamps
1BX40 (43), 217 (34)

Luminaire Efficacy Rating
LER = FL45

Catalog Number: 2RDI-217RP

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$5.33

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

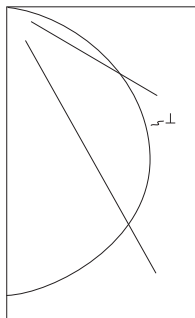
**Consult Pre Sales Technical Support.

***See Drywall Frame Kit Accessory

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



PHOTOMETRICS

**2RDI-217RP**

24V DC Electronic
Ballast

F17T8/35K Lamps
1300 Lumens

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

Efficiency 64.6%

Test Report:

2RDI-217RP-IES

LER = FL45

Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$5.33

Coefficients of Utilization

Effective floor cavity reflectance										20%									
rc	80%				70%				50%			30%			10%			0%	
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																			
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65	
1	70	67	64	62	69	66	62	61	63	61	59	60	59	57	58	57	56	54	
2	64	59	54	50	62	57	53	50	55	52	49	53	50	48	51	49	46	45	
3	58	51	46	42	57	50	45	41	48	44	41	47	43	40	45	42	39	38	
4	53	45	40	35	52	45	39	35	43	38	35	41	37	34	40	37	34	32	
5	49	41	35	30	48	40	34	30	38	34	30	37	33	30	36	32	29	28	
6	45	36	31	26	44	36	30	26	35	30	26	34	29	26	33	29	26	24	
7	42	33	27	23	41	33	27	23	31	27	23	31	26	23	30	26	23	21	
8	39	30	25	21	38	30	24	21	29	24	21	28	24	20	27	23	20	19	
9	36	28	22	19	35	27	22	19	26	22	19	26	21	18	25	21	18	17	
10	34	25	20	17	33	25	20	17	24	20	17	24	20	17	23	19	17	15	

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	452	17.4	27.0
0-40	746	28.7	44.4
0-60	1331	51.2	79.3
0-90	1679	64.6	100.0
0-180	1679	64.6	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	1570	1724	1841
55	1421	1679	1834
65	1197	1576	1692
75	938	1264	1453
85	656	827	852

Candela

Angle	Along II	45°	Across ⊥
0	576	576	576
5	576	575	576
10	569	570	571
15	556	558	562
20	536	542	550
25	511	522	533
30	482	497	513
35	447	469	490
40	408	437	461
45	365	401	428
50	318	361	391
55	268	317	346
60	217	270	293
65	166	219	235
70	120	163	177
75	80	108	124
80	45	63	70
85	19	24	24
90	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: 2RDI-217RP-024V-DC81DIM-U

Rating Blank=Standard NY=New York City Rated ATW-SW4=Chicago Rated	Number of Lamps 1=1 Lamp 2=2 Lamp	Voltage 024V=24 Volt DC ⁽¹⁾	Ballast Type DC8_DIM=T8 24VDC Dimming= 0-10V Ballast Factor= 1.0 DCX_DIM=Biax 24VDC Dimming= 0-10V Ballast Factor= 1.0	Options Lamps=Lamps Installed	Options REP=Riveted Endplates, for use in New York City. LSC=Lamp Shield Cable RLS=Rotor-Lock Socket (T8 Lamps Only) LVDC5=Low Voltage 5ft. DC Connector and Cable Assembly Installed LVDC10=Low Voltage 10ft. DC Connector and Cable Assembly Installed	Packaging U=Unit Pack PALC=Job Pack, in carton
Width 2=2' Width	Wattage 17=17W T8 (24") BX40=40W Biax (24") ⁽²⁾		Number of Ballasts 1=1 Ballast 2=2 Ballasts			
Series RDI=Ovation Series (Recessed Direct/Indirect)	Lamp Shield X=Solid Matte White RP=Round Perforated White Steel					
Trim Type Blank=Grid/Lay-in (Standard)						
Lamp Position Blank=Center Mounted Lamps (standard)						

ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽³⁾
DF-22-W=Drywall Frame Kit

NOTES: ⁽¹⁾24VDC version is EMerge Alliance® Registered. (Biax= 1 lamp ballast only, T8= 2 lamp ballast only). ⁽²⁾An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. ⁽³⁾BX40 is only available in 1-Lamp.

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

SHIPPING INFORMATION

Catalog No.	Wt.
2RDI-1BX40RP	19 lbs.
2RDI-217RP	19.5 lbs.