COOPER LIGHTING SOLUTIONS - METALUX®

DESCRIPTION

The Ovation Series is a complete family of recessed direct/indirect luminaires featuring pleasant modern architectural styling, computerdesigned 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.

SPECIFICATION FEATURES

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 con-nection.

Electrical*

Ballasts are CBM/ETL Class "P" and are positively secured. Biax models use 2G11 base lampholders with double edge wip- ing action pressure lock contacts and ver- tically oriented lamp support clips.T8 models use rotor-lock lampholders for positive lamp retention. UL/CUL listed. Suitable for damp locations

Ballast Access

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

Finish

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

Reflectors

Catalog #

Project

Comments

Prepared by

Indirect reflector has high reflectance baked matte white enam-el 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.

Controls

Fifth Light ballast options are offered for both 0-10V continuous dimming and DALI applications. Combine with energy saving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Lighting Solutions (www.cooperlighting.com) to maximize energy savings.



Туре

Date

2RDI 1BX40, 2BX40 3BX40 117, 217, 317

BIAXIAL OR T8 LAMPS

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



ENERGY DATA

Input Watts:

6

Flange

EB Ballast & STD Lamps 1BX40 (43), 2BX40 (67), 3BX40 (102) 1BX50 (54), 2BX50 (106), 3BX50 (160) 1BX55 (59), 2BX55 (117), 3BX55 (176) 117 (19), 217 (34), 317 (54)

ES Ballast & STD Lamps 117 (23), 217 (45), 317 (68)

STD Ballast & STD Lamps 1BX40 (46), 2BX40 (82), 3BX40 (128)

Luminaire Efficacy Rating LER = FL65

Catalog Number: 2RDI-2BX40RP

Yearly Cost of 1000 lumens. 3000 hrs at .08 KWH = \$3.69

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

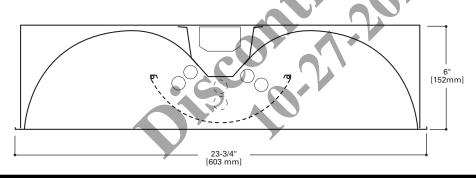
**Consult Pre Sales Technical Support.

***See Drvwall Frame Kit Accessory

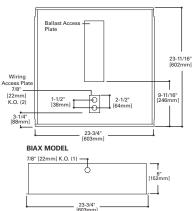
LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL LAWS



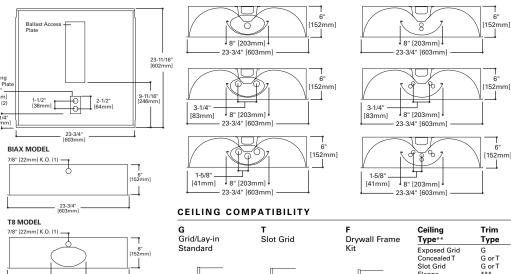
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MOUNTING DATA



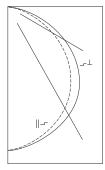




6-9/16" [167mm 23-3/4" [603mm] **COOPER LIGHTING SOLUTIONS**

PHOTOMETRICS

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Zone

0-30

0-40

0-60

0-90

0-180

2RDI-2BX40RP

Electronic Ballast F40BX/35K/RS Lamps 3150 Lumens

Spacing criterion: (II) 1.2 x mounting height, (\perp) 1.3 x mounting height

Efficiency 78.2%

Test Report: 2RDI2BX40RP.IES

LER = FL65

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$3.69

Coefficients	of	Utilization

Zonal Lumen Summary

%

Lumens

	Effe	ctive	e flo	or cav	ity ref	lecta	ance		20	%								
rc		80	%			7	0%			50%	5		30%	5		10%		0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	93	93	93	93	91	91	91	91	87	87	87	83	83	83	80	80	80	78
1	86	82	79	76	84	81	78	75	77	75	73	74	72	71	71	70	69	67
2	79	73	68	63	77	71	66	63	68	64	61	66	63	60	63	61	58	57
3	72	64	58	53	70	63	57	53	61	56	52	59	55	51	57	53	50	49
4	66	57	51	46	64	56	50	45	54	49	45	52	48	44	51	47	43	42
5	60	50	44	- 38	59	50	43	38	48	42	38	46	41	37	45	41	37	35
6	55	45	38	33	54	44	38	33	43	37	33	42	36	33	40	36	32	31
7	51	40	34	29	50	40	33	29	39	33	29	37	32	28	36	32	28	27
8	47	36	30	25	46	36	29	25	35	29	25	34	28	25	33	28	24	23
9	43	32	26	21	42	32	26	21	31	25	21	30	25	21	29	25	21	20
10	40	29	23	19	39	29	23	19	28	23	19	28	22	19	27	22	19	17

			Height	
6Lamp	%Fixture	Room Size (Ft.)	8.5′	•
21.2	27.2	20 x 20	48	
35.0	44.8	30 x 30	44	
62.4	79.8	30 x 60	43	
78.2	100.0	60 x 30	47	
78.2	100.0	60 x 60	44	

Angle	Along II	45°	Across
0	1701	1701	1701
5	1701	1698	1700
10	1677	1682	1689
15	1634	1648	1665
20	1574	1599	1631
25	1497	1539	1587
30	1406	1468	1533
35	1301	1386	1465
40	1182	1292	1381

Candela

Typical	VCP	Percentages	
		Hoight Along	ш

		-			
	Heigh	t Along	Height Across		
Room Size (Ft.)	8.5′	10.0′	8.5′	10.0′	
20 x 20	48	54	41	48	
30 x 30	44	46	38	40	
30 x 60	43	43	35	35	
60 x 30	47	48	43	45	
60 x 60	44	44	38	38	
			2		



ORDERING INFORMATION

SAMPLE NUMBER: 2RDI	2BX40RP-120V-EB51-U	
Rating Blank= Standard NY=NewYork City Rated ATW-SW4= Chicago Rated Width 2=2' Width Series RDI=Ovation Series (Recessed Direct/Indirect) Trim Type Blank=Grid/Lay-in (Standard) Lamp Position Blank=Center Mounted Lamps (standard)	Number of Lamps 1=1 Lamp 2=2 Lamp 3=3 Lamp Wattage 17=17WT8 (24") BX40=40W Biax (24") BX50=50W Biax (24") ¹⁰ BX55=55W Biax (24") ¹⁰	Ballast Type Blank=Standard Magnetic Ballast (40W Biax only) EB8_=78 Electronic Start. Total Harmonic Distortion < 10%
DALI teature. Hease select DALI ba dimming bal-last are NEMA premi energy saving lamps. ⁽⁸⁾ Specificati Specification Grade 0-10V ballast n not available for Biax lamps. ⁽¹¹⁾ St For complete product data, refere	er Lamp Shield models only, ⁽²² Products also available in f or international markets. ⁽³⁾ Not available in UNV voltages. id Clip is recommended for all 916° ceiling systems. Four blete listing of Fifthlight Technology products and other solutions sit www.cooperlighting.com. ⁽³⁰ CHOV ballast for ont include liast for use with Fifth Light system. ⁽³³ Specification grade 0-10V um and CEE listed. They are compatible with low mercury and on Grade 0-10V ballast not available for Biax lamps. ⁽³¹ of 0-10V ballast not available for Biax lamps. ⁽³¹ of 0-10V ballast not offered in 3 or 4-lamp versions. Ince the Fluorescent Specification previous Solutions I ordering information.	 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 0-10V Dimming Ballasts ⁽ⁱⁱⁱ⁾ 5LTV8=T8 0-10V Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 0.87 ⁽¹⁰⁾. ⁽¹¹⁾ 5LTVS1=T8 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 0.87 ⁽¹⁰⁾. ⁽¹⁰⁾ 5LTVS2=T8 0-10V Spec Grade Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 0.87 ⁽¹⁰⁾. ⁽¹⁰⁾ Fifth Light DALI Ballasts ⁽¹⁰⁾ 5LT9_=T8 DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0 5LT5B_=T5 Biax DALI Program Rapid Start. Total Harmonic Distortion < 10%. Ballast Factor 1.0

Options RIF1=Radio Interference Suppressor REP=Riveted Endplates, for use in New York City. ST=Semi-Specular Tannenbaum Main Baflector Reflector LSC=Lamp Shield Cable RLS=Rotor-Lock Socket (T8 Lamps Only) Packaging U=Unit Pack PALC=Job Pack, in carton

ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽⁴⁾ DF-22-W=Drywall Frame Kit

SHIPPING INFORMATION

Catalog No.	Wt.
2RDI-1BX40RP	19 lbs.
2RDI-2BX40RP	19 lbs.
2RDI-3BX40RP	19 lbs.
2RDI-117RP	19.5 lbs.
2RDI-217RP	19.5 lbs.
2RDI-317RP	19.5 lbs.



Number of Ballasts 1=1 Ballast 2=2 Ballasts 3=3 Ballasts