

## 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. The 2RDI-IC is designed for installations when the housing will be in direct contact with insulation. 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.

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

## 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 connection.

### Ballast Access

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

### 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 for Type IC Recessed Luminaire (Rated for direct contact with insulation) Suitable for damp locations.

### Finish

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

### Reflectors

Indirect reflector has high reflectance baked matte white enamel finish for luminous uniformity. 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 energysaving products like occupancy sensors, daylighting controls, and lighting relay panels from Cooper Controls ([www.coopercontrol.com](http://www.coopercontrol.com)) to maximize energy savings.

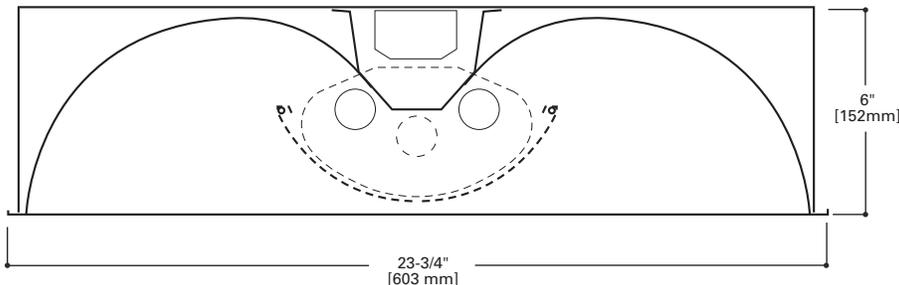


**2RDI-IC**  
 128T8  
 132  
 228T8  
 232  
 328T8  
 332  
 T1BX, T2BX

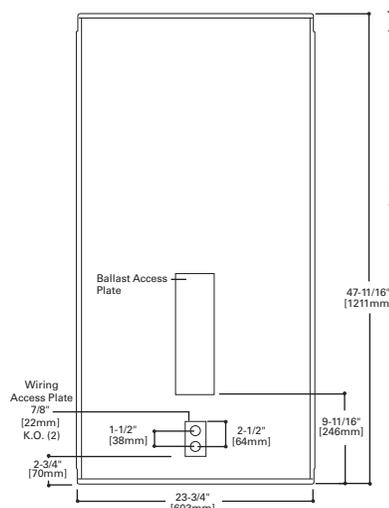
### T8 OR BIAxIAL LAMPS

2' X 4' Recessed  
 Direct/Indirect  
 Center-Mount  
 For Use in  
 Insulated Ceilings.

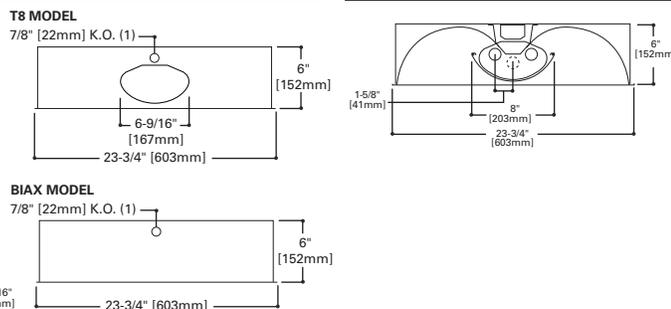
*Ovation™*



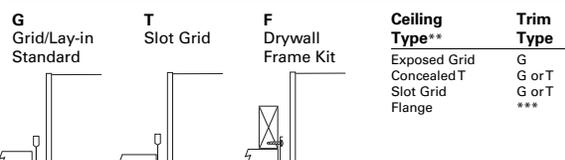
## MOUNTING DATA



## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY



## ENERGY DATA

Input Watts:  
**EB Ballast & STD Lamps**  
 128T8 (28), 228T8 (49), 328T8 (98)  
 132 (32), 232 (61), 332 (91),  
 T1BX40 (70), T2BX40 (140),  
 T1BX50 (106), T1 BX55 (110)  
**LER = FL65**  
**Catalog Number: 2RDI-IC-232RP**  
**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.

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

**LINEAR DISCONNECT**

Safe and convenient means of disconnecting power.





## ORDERING INFORMATION

SAMPLE NUMBER: 2RDI-IC-232RP-120V-EB51-U

**Rating**  
**Blank**=Standard  
**NY**=New York City Rated  
**ATW-SW4**=Chicago Rated

**Width**  
**2**=2' Width

**Series**  
**RDI**=Ovation Series (Recessed Direct/Indirect)

**Trim Type**  
**Leave Blank**=Grid/Lay-in (Standard)

**Type**  
**IC**=IC Rated

**Lamp Position**  
**Leave Blank**=Center Mounted Lamps (Standard)

**Number of Lamps**  
**1**=1 Lamp  
**2**=2 Lamp  
**3**=3 Lamp  
**T1**=2' x 4' Fixture with One Biax Lamp at Each End<sup>(1)</sup>  
**T2**=2' x 4' Fixture with Two Biax Lamps at Each End

**Wattage**  
**28T8**=28W T8 (48")  
**32**=32W T8 (48")  
**BX40**=40W Biax (24")  
**BX50**=50W Biax (24")<sup>(1)</sup>  
**BX55**=55W Biax (24")<sup>(1)</sup>

**Lamp Shield**  
**RP**=Round Perforated White Steel

**Voltage**<sup>(2)</sup>  
**120V**=120 Volt  
**277V**=277 Volt  
**347V**=347 Volt  
**UNV**=Universal Voltage 120-277

**Options**  
**GL**=Single Element Fuse  
**GM**=Double Element Fuse  
**Lamps**=Lamps Installed  
**Flex**=Flex Installed  
**EL**=Emergency Installed

**Ballast Type**

**Blank**=Standard Magnetic Biax Ballast  
**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 Biax Electronic Instant Start.  
 Total Harmonic Distortion < 20%<sup>(4)</sup>  
**TB5**\_ =T5 Biax Electronic Instant Start.  
 Total Harmonic Distortion < 10%<sup>(4)</sup>  
**ER5**\_ =T5 Biax Electronic Program Rapid Start.  
 Total Harmonic Distortion < 10%  
**High Performance T8 Ballasts**  
**HB8**\_ =T8 Electronic Instant Start.  
 Total Harmonic Distortion < 10%.  
 Standard Ballast Factor .86 - .88  
**HB8**\_ L=T8 Electronic Instant Start.  
 Total Harmonic Distortion < 10%.  
 Low Ballast Factor .77 - .82  
**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%.  
 High Ballast Factor 1.15 - 1.20  
**HR8**\_ T8 Electronic Program Rapid Start.  
 Total Harmonic Distortion < 10%.  
 Standard Ballast Factor .86 - .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  
**0-10V Dimming Ballasts**<sup>(6)</sup>  
**5LTV8**\_ =T8 0-10V Program Rapid Start.  
 Total Harmonic Distortion < 10%.  
 Ballast Factor 0.87<sup>(10), (11), (12)</sup>  
**5LTVS8**\_ =T8 0-10V Spec Grade Program Rapid Start.  
 Total Harmonic Distortion < 10%.  
 Ballast Factor 0.87<sup>(7), (8), (9)</sup>  
**Fifth Light DALI Ballasts**<sup>(5)</sup>  
**5LT8**\_ =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

**Number of Ballasts**

**1**=1 Ballast  
**2**=2 Ballasts  
**3**=3 Ballasts

**Options**

**RLS**=Rotor-Lock Socket (T8 Lamps Only)  
**RIF1**=Radio Interference Suppressor  
**REP**=Riveted Endplates  
**LSC**=Lamp Shield Cable  
**ST**=Semi-Specular Tannenbaum

**Packaging**

**U**=Unit Pack  
**PALC**=Palletized Fixtures in Carton

**ACCESSORIES**

**EQ**=T-BAR Safety Earthquake Clips<sup>(3)</sup>  
**DF-24-W**=Drywall Frame Kit

**NOTES:** <sup>(1)</sup> Biax 50 or 55W only available in tandem 1 lamp option. <sup>(2)</sup> Products also available in non-US voltages and frequencies for international markets. <sup>(3)</sup> An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. <sup>(4)</sup> Not available in UNV voltages. Must specify voltage. <sup>(5)</sup> For a complete listing of FifthLight Technology products and other solutions from Cooper Controls, visit [www.coopercontrol.com](http://www.coopercontrol.com). <sup>(6)</sup> 0-10V ballast do not include DALI feature. Please select DALI ballast for use with Fifth Light system. <sup>(7)</sup> Specification grade 0-10V dimming ballast are NEMA premium and CEE listed. They are compatible with low mercury and energy saving lamps. <sup>(8)</sup> Specification Grade 0-10V ballast not available for Biax lamps. <sup>(9)</sup> Specification Grade 0-10V ballast not offered in 3 or 4-lamp versions. <sup>(10)</sup> Standard 0-10V ballast not available for Biax lamps. <sup>(11)</sup> Standard 0-10V ballast not available for 28W T8 lamps. <sup>(12)</sup> Voltage must be specified for Standard 0-10V 3W 3 and 4-lamp ballast. 4-lamp ballast versions must be 277V.

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.
2RDI-IC-132RP	30 lbs.
2RDI-IC-128T8RP	30 lbs.
2RDI-IC-232RP	30 lbs.
2RDI-IC-228T8RP	30 lbs.
2RDI-IC-332RP	30 lbs.
2RDI-IC-328T8RP	30 lbs.
2RDI-IC-T1BX40	31 lbs.
2RDI-IC-T2BX40	31 lbs.