

FEATURES

- Specification grade, heavy duty, one-piece steel housing
- Fully assembled, shipped in one carton
- Optional deep "V" reflector provides 35° crosswise shielding with T8 lamps and 39° shielding with T12 lamps (formerly known as "IM" Imperial)
- Available with 10% uplight or solid top for 100% downlight
- Optional full end plates
- Textile mill option eliminates upturned edges on the reflector to inhibit the accumulation of lint and dust
- White powder coat finish painted after fabrication
- Embossed ribs and aperture edges provide superior rigidity
- Spring loaded turret style sockets provide excellent lamp retention

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Heavy steel housing with longitudinal reinforcing ribs for extra strength. Spring-loaded turret socket assemblies provide added security for vibration prone environments. Optional full depth endplates meet bottom of reflector, recommended for use with wireguard or baffle accessories.

ELECTRICAL

Standard class "P," thermally protected, auto-resetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

FINISH

White painted parts are treated with a five stage phosphate bonding process and finished after fabrication with a minimum 90% reflective gloss baked enamel.

INSTALLATION

For surface or suspended installation. Mounting accessories may be ordered separately.

BALLASTS

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, unless otherwise specified. CEE NEMA Premium compliant.

ORDERING INFORMATION

EXAMPLE IC8-232-VR-EU-ICFC

IC	-	32	-	-	-	-	
MODEL	SIZE	NO. OF LAMPS IN CROSS SECTION	LAMP TYPE	REFLECTOR TYPE	BALLAST	VOLTAGE	OPTIONS
IC Premium Turret Industrial	4 4' 8 8'	2 Two 3 Three 4 Four	32 4', T8: 32, 30, 28 or 25 Watt	U Apertured 10% Uplight Reflector ST ¹ Solid Top 0% Uplight Reflector VR Deep V 25% Uplight Reflector (2 lamps only) TU 10% Uplight Textile Reflector TST ¹ Solid Top Textile Reflector	E Electronic Instant Start EP Electronic Rapid Start or Programmed Start 3E 3-Lamp Electronic T8, Instant Start 4E 4-Lamp Electronic T8, Instant Start 24E (1) 2-Lamp and (1) 4-Lamp Electronic T8, Instant Start	U 120V-277V 347 347V	ICFC Full End Caps ICNC No End Caps (Row mounting) BC1 Branch Circuit Wiring Single Circuit (For more branch circuit wiring options see page xxx) GLR Fast Blow Fuse GMF Slow Blow Fuse EL Emergency Battery Pack RIF Radio Interference Filter NYC NYC Compliant NYCU NYC Compliant, Union Label

ACCESSORIES (ORDER SEPARATELY)

- ICWG4 4' Wire Guard¹
- ICFSA12 Steel Door with A12 Lens
- ICWCB White Cross Baffle for Std. Reflector
- ICVWCB White Cross Baffle for "V" Reflector
- ICRC Rod Clamp Hanger
- ICBC Box/Conduit Clamp Hanger
- ICCN Channel Connector
- ICHC Chain Hanger Assembly
- ICAC Reflector Aligner

¹ Not recommended for TU or TST reflectors.



PHOTOMETRIC DATA

Test HP05524 Test Date 1/16/04

LUMINAIRE DATA

Luminaire	IC4-232-VR-E IC Industrial 14" x 48" 2-Lamp with Apertured V Reflector E
Ballast	REL-2P32-SC
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	64
Mounting	Surface
Shielding Angle	0° = 39 90° = 0
Spacing Criterion	0° = 1.25 90° = 1.38
Luminous Opening in Feet	Length: 4.06 Width: 1.10 Height: 0.38

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt.
0-30	1180	20.3	22.0
0-40	1964	33.9	36.6
0-60	3420	59.0	63.8
0-90	4103	70.7	76.5
0-180	5363	92.5	100.0

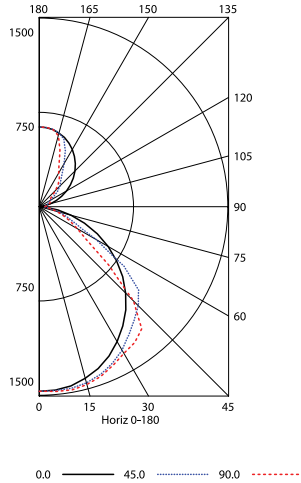
ENERGY DATA

Total Luminaire Efficiency	92.5%
Luminaire Efficacy Rating (LER)	FL-N/A
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$N/A based on 3000 hrs. and \$0.08 per KWH

COEFFICIENTS OF UTILIZATION (%)

RCR	RC		80				70				50				0
	RW	0	30	10	70	50	30	10	50	30	10	50	30	10	0
1	96	92	88	85	91	88	85	82	80	78	75	60			
2	88	81	75	70	83	77	72	68	70	66	63	51			
3	80	71	64	59	76	68	62	57	62	57	53	43			
4	74	63	56	50	70	61	54	48	56	50	45	37			
5	68	56	49	43	64	54	47	42	50	44	39	32			
6	62	51	43	37	59	49	42	36	45	39	34	28			
7	58	46	38	33	55	44	37	32	41	35	30	25			
8	54	42	34	29	51	40	33	28	37	31	27	22			
9	50	38	31	26	48	37	30	25	34	28	24	20			
10	47	35	28	24	45	34	27	23	32	26	22	18			

INDOOR CANDELA PLOT



AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	0.0	22.5	45.0	67.5	90.0
0	3523	3523	3523	3523	3523
30	3255	3170	3090	3063	3107
40	3108	3002	2914	3015	3073
45	3013	2910	2881	2853	2670
50	2905	2792	2805	2182	1896
55	2767	2671	2378	1467	1285
60	2610	2589	1627	1087	1050
65	2407	2469	1097	909	884
70	2132	1938	882	739	720
75	1795	1103	688	583	572
80	1366	748	502	437	432
85	701	476	342	308	304

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

DIMENSIONAL DATA

