

**FEATURES**

- Designed for videoconferencing, video arraignments, remote classroom applications, and conference rooms
- Directional lens/baffle system option throws light onto vertical surfaces and clearly illuminates facial features for videoconferencing
- Unique lens option with elevating and depressing prisms controls glare at critical angles
- Lamps orient to wash desired surface
- 1' x 4' size drops into standard T-Bar grid system
- Recessed unit maintains clean ceiling line

**PROJECT INFORMATION**

Project Name \_\_\_\_\_

Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

**CONSTRUCTION**

Luminaire housing and end caps are die formed code gauge cold rolled steel. Lamps are mounted room side. Specular aluminum internal reflector and acrylic lens with elevating prisms provide excellent vertical illumination for facial modeling. Optional louver is steel, painted black to eliminate brightness and provide cross shielding. Shielding ships in separate carton. Lift and shift into place to install.

**FINISH**

Painted parts are treated with a five stage phosphate bonding process and finished with a high reflectance baked white enamel.

**INSTALLATION**

An access plate is furnished with each luminaire for fast wiring access from the plenum. No need to open fixture.

**ELECTRICAL**

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

**CEILING COMPATIBILITY**

Luminaire is available to fit most inverted tee ceiling types. NEC-compliant T-Bar clips supplied with all grid trim fixtures. See ceiling details on reverse. Contact your Columbia representative for compatibility information for specific ceiling types.

**CERTIFICATION**

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

**ORDERING INFORMATION**

**EXAMPLE VC14-232-VCL-EU**

VC	2				
MODEL	NO. OF LAMPS	LENS	BALLAST	VOLTAGE	OPTIONS
VC Videoconference Luminaire	2 Two	VCL Black Cross Baffle with Unique CRT Overlay PVC Unique CRT Lens	E Electronic T8, Instant Start (Std.) ED Electronic Dimming T5 or T8 EP Electronic T5, Programmed Start (Std. T5/T5HO, optional T8)	U 120V-277V 347 347V	GLR Fast Blow Fuse GMF Slow Blow Fuse C388 3-Wire Flex C488 4-Wire Flex NYC NYC Compliant NYCU NYC Compliant, Union Label
	SIZE	LAMP TYPE	For dimming and other specific ballast vendor show as option.		
	12 1' x 2' 14 1' x 4'	17 2', T8: 17 Watt 28 4', T5: 28 Watt 32 4', T8: 32, 30, 28 or 25 Watt 54 4', T5HO: 54 or 51 Watt			

## PHOTOMETRIC DATA

Test 12279 Test Date 5/1/03

### LUMINAIRE DATA

Luminaire	VC14-232G-VCL-EB8 1' x 4' 2-Lamp Black Flat Blade Louver/Lens and Semi-Specular Reflector
Ballast	B232I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	52
Shielding Angle	N/A
Spacing Criterion	N/A
Luminous Opening in Feet	Length: 3.92 Width: 0.88 Height: 0.00

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	796	13.7	46.0
0-40	1177	20.3	68.0
0-60	1628	28.1	94.1
0-90	1730	29.8	100.0
0-180	1730	29.8	100.0

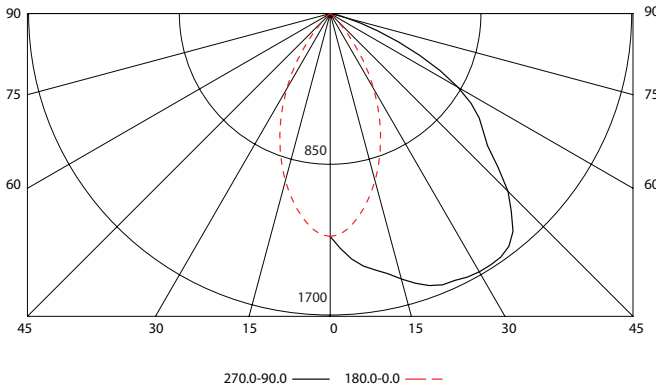
### ENERGY DATA

Total Luminaire Efficiency	29.8%
Luminaire Efficacy Rating (LER)	29
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$8.28 based on 3000 hrs. and \$0.08 per KWH

### AVG. LUMINANCE (Candela/Sq. M.)

	90.0	135.0	180.0	225.0	270.0
0	3922	3922	3922	3922	3922
30	6057	3751	1769	1268	1549
40	6530	3096	668	611	859
45	6253	2626	234	296	538
50	5621	1956	117	92	316
55	5576	1224	82	33	228
60	5192	649	37	19	125
65	4098	317	15	7	37
70	2582	182	18	0	9
75	1109	84	12	0	0
80	539	18	18	0	0
85	179	0	0	0	0

### INDOOR CANDELA PLOT



### DIMENSIONAL DATA

#### Cross Section View VCL Option Shown

2" →

Prism Strip      Baffle

12" Ctr-Ctr  
Grid Ceiling T-Bars

#### Ceiling View

T-Bar Grid Ceiling      Prism Strip

The 2" wide prism strip portion of the lens is not in the exact center of the lens/baffle assembly.

Install lens/baffle assembly with prism strip oriented as shown above.

**NOTE:** All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.