

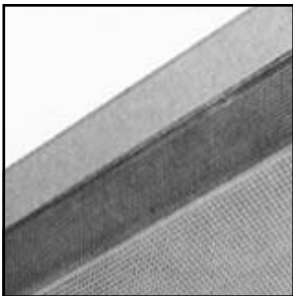
CBS 232

CELEBRITY SURFACE FLUORESCENT 12" WIDTH, 4' LENGTH 2 LAMPS, T8 OR T12

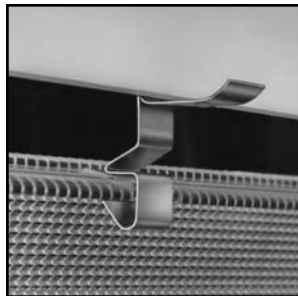
- Injection molded one-piece (2 sides, 2 ends and face) virgin acrylic refractor.
- Catadioptric side and end wall design.
- Slim 3-1/4" depth.
- Invisible spring steel latches align refractor to housing.
- Refractor hinges or latches from either side.
- Efficiency 73.1%.
- Rigid, reinforced housing.
- 1/4 turn fasteners on reflector/ballast cover.
- Individual or continuous row mounting.



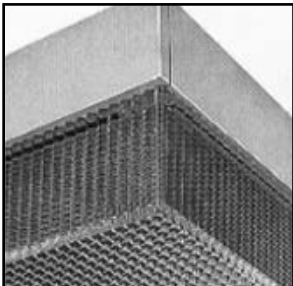
MOUNTING METHODS/FEATURES



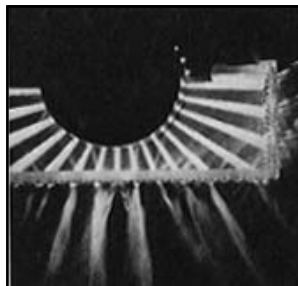
sturdy steel chassis



positive spring steel latches

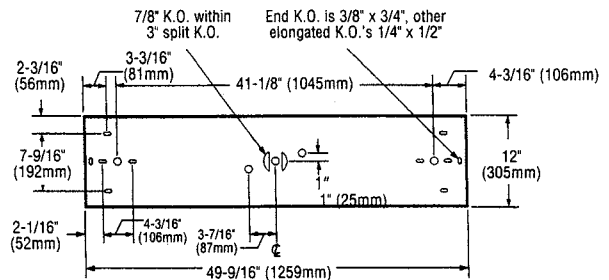
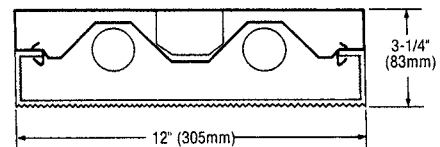


four sided injection molding



photograph illustrates action of Celebrity lens enclosure. catadioptric prisms "mirror" out glare...refract light beams into useful areas.

DIMENSIONS



NOTE: Not recommended for stem mounting

FIXTURE TYPE

VOLTS

JOB INFORMATION:

CFI FLUORESCENT

PHOTOMETRY

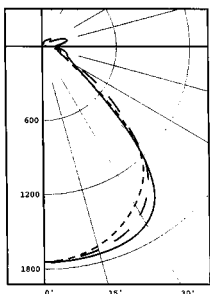
MODEL NO. CBS232120SO


 45 Industrial Way
Wilmington, MA 01887
(978) 657-7800

 REPORT NO.: G01020 DATE: 05-23-01
 CATALOG NO.: CBS232120SO
 LAMP(S): 2, F32/T8 TL841, EACH RATED 2850 LUMENS.
 LUMINAIRE: WHITE CBS
 0.47 AMPS 55.3 WATTS
 TRIAD B2321120

CANDELA DISTRIBUTION	FLUX
0 0.0 22.5 45.0 67.5 90.0	
0 1741 1741 1741 1741 1741	165
5 1730 1734 1733 1738 1741	481
15 1670 1680 1700 1723 1732	752
25 1554 1580 1631 1680 1703	914
35 1384 1405 1461 1525 1560	988
45 1039 1067 1055 1018 988	444
55 386 506 560 491 407	245
65 190 265 194 290 245	177
75 133 155 155 201 202	107
85 60 86 90 129 130	80
90 18 41 52 96 104	70
95 21 41 55 116 136	99
105 33 48 56 155 201	70
115 18 42 54 114 102	87
125 21 39 59 81 87	72
135 16 29 52 68 72	38
145 12 24 42 53 56	24
155 9 15 25 33 36	11
165 7 9 11 15 17	3
175 6 5 4 4 4	0
180 0 0 0 0 0	0

ZONAL LUMEN SUMMARY	LUMENS	%LAMP	%FIXT
0- 30	1398	24.5	31.4
0- 40	2313	40.6	51.9
0- 60	3548	62.3	79.6
0- 90	4077	71.5	91.5
90-120	249	4.4	5.6
90-130	301	5.3	6.8
90-150	364	6.4	8.2
90-180	379	6.6	8.5
0-180	4456	78.2	100.0

 TOTAL LUMINAIRE EFFICIENCY = 78.2 %
 TOTAL REFLECTANCE OF PAINT = 90.0 %
 CIE TYPE - DIRECT
 PLANE : 0-DEG 90-DEG
 SPACING CRITERIA : 1.3 1.4
 SHIELDING ANGLES : 90 90


coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF	20	20	20
RC	80	50	30
RW	70	50	30
1	84	81	78
2	78	72	67
3	71	64	58
4	66	58	51
5	61	52	46
6	57	47	41
7	53	43	37
8	49	39	33
9	46	36	30
10	43	34	28

visual comfort probability (rated lumens per lamp 3150.)

room size	ceiling height	ceiling height	ceiling height
W	L	8.5	10.0
20	20	69	72
20	30	61	66
20	40	57	61
20	60	52	56
30	20	69	72
30	30	61	66
30	40	55	60
30	60	51	55
30	80	48	52
40	20	69	74
40	30	61	66
40	40	55	60
40	60	50	54
40	80	47	51
40	100	46	49
60	30	61	66
60	40	55	60
60	60	50	54
60	80	46	50
60	100	45	48
100	40	56	61
100	60	51	54
100	80	47	50
100	100	45	48

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

ORDERING INFORMATION Explanation of Catalogue Number Example: CBS232120SO

CBS

CELEBRITY:
Surface
Luminaire

2

LAMP
QUANTITY:

32

LAMP:
(By Others)
32= T8, 4' Length
34= T12, 4' Length

120

VOLTAGE:
120, 277
347

SO

BALLAST TYPE:

 <20THD† <10THD†
 SO* RO** 1 or 2 Lamp Elect. T8
 PS --- LOL T8 Dimming
 * Instant Start Standard
 ** Rapid Start Standard

† % total harmonic distortion

OPTIONS:
Add appropriate suffix
to catalog no.

OPTIONS/ACCESSORIES

 STEM AND CANOPY SETS: Suspend luminaire 12", 18", 24", 36", or 48" from surface. (Four per luminaire is recommended.) catalogue Number: **STKF12** (12"); **STKF18** (18"); **STKF24** (24"); **STKF36** (36"); **STKF48** (48")

 RADIO INTERFERENCE FILTER: 120, 277 or 347 volt, 50 or 60 Hz. SUFFIX: **R**

BALLAST OPTIONS: For other ballast options, consult ballast specification sheet (folio BA-1-02)

SPECIFICATIONS:

PERFORMANCE: In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, with a reflectance of 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .81. To reduce glare the VCP shall be not less than 43 either lengthwise or cross wise (at 100fc level) and the average brightness at 65° shall not exceed 1411 footlamberts. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 68.6%.

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. **Housing** is reinforced for rigidity. **Refractor**—one-piece virgin acrylic.

FINISH: Chassis exterior—white baked acrylic enamel. **Cavity**—white baked acrylic enamel minimum 86% reflectance. Phosphate undercoating.

LENS: One-piece injection molded full re-entrant virgin acrylic with Catadioptric sides, ends and wall design with diamond sharp square base male conical prisms on horizontal surface.

ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

LABELS: I.B.E.W./UL and C-UL.

We reserve the right to change, materials and finish in any way that will not alter installed appearance or reduce function and performance.

CFI FLUORESCENT

C/NLYTE

525 EDUCATION RD., CORNWALL, ONTARIO K6H 6C7
TEL.: (613) 938-6221 • FAX: (613) 938-0961