

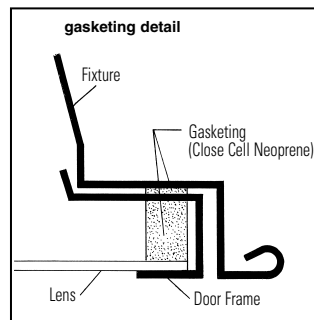
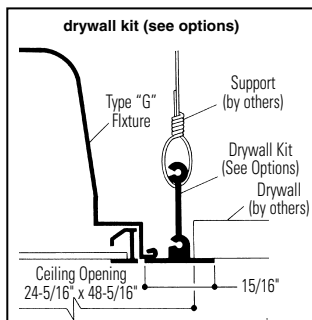
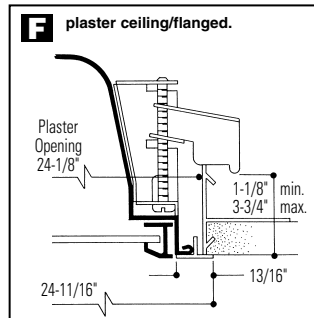
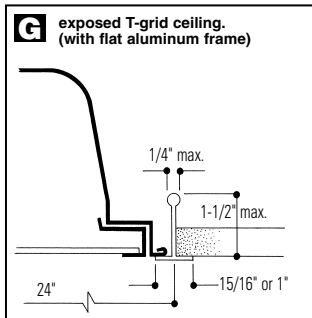
CXS SERIES 2x4

CLEANGUARD CLASS 10,000 CLEAN ROOM RECESSED FLUORESCENT 2, 3 OR 4 LAMP, T8

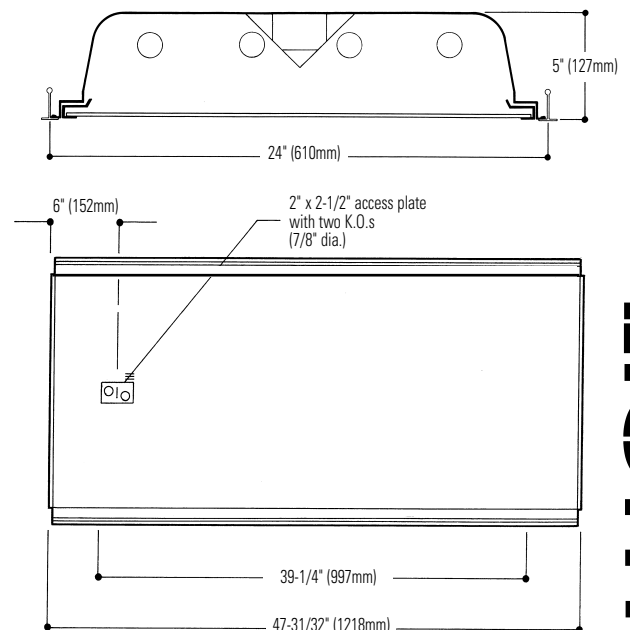
- Meets requirements for Federal Standard 209E Class 10,000 & 100,000 Clean Room tested by Independent Lab.
- UL and ULc Listed for wet or damp locations for covered ceiling use.
- Fits 15/16" to 1" wide face grid ceiling systems or flanged for drywall type ceilings. Contractor responsible for sealing fixture to ceiling.
- Full perimeter gasketing (closed cell Neoprene) between door frame and lens, between housing and door frame.
- Ends sealed to body.
- .125 pattern 12 lens installed smooth side down.
- Door frame is post painted, baked acrylic enamel.
- Hemmed over side rails for maximum safety.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.



MOUNTING METHODS



DIMENSIONS



FIXTURE TYPE

VOLTS

JOB INFORMATION:

LIGHTCOLIER®

CXS SERIES 2X4

CLEANGUARD CLASS 10,000 CLEAN ROOM RECESSED FLUORESCENT

PHOTOMETRY

MODEL NO. CXS2GFSVI33212003

LER = FL - 73.2 IW - 108.7 BF - 0.86

Comparative yearly lighting energy cost per 1000 lumens = \$3.28



45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G02021 DATE: 01-30-02
CATALOG NO.: CXS2GFSVI33212003
LAMP(S): 3 F32/T8 TL841, EACH RATED 2850 LUMENS
LUMINAIRE: STANDARD CXS FIXTURE WITH INVERTED VI LENS IN FS F
0.72 AMPS 84.8 WATTS

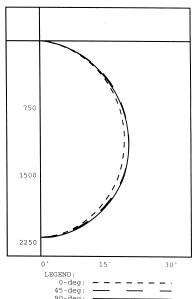
CANDELA DISTRIBUTION
0 0 22.5 45.0 67.5 90.0
0 2191 2191 2191 2191 2191
5 2170 2170 2173 2178 2181 207
15 2048 2053 2069 2080 2083 584
25 1855 1872 1902 1913 1917 873
35 1599 1628 1675 1676 1678 1036
45 1307 1337 1382 1375 1376 1049
55 930 1021 1060 1047 1039 926
65 661 685 714 696 691 687
75 328 342 356 351 353 368
85 60 64 64 67 70 79
90 0 0 0 0 0 0

FLUX

ZONAL LUMEN SUMMARY
ZONE LUMENS %LAMP %FIXT
0-30 1663 19.5 28.6
0-40 2699 31.6 46.5
0-60 4674 54.7 80.5
0-90 5808 67.9 100.0
90-180 0 0.0 0.0
0-180 5808 67.9 100.0

TOTAL LUMINAIRE EFFICIENCY = 67.9 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT
PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.2 1.2
PLANE : 0-DEG 90-DEG
LUMINOUS LENGTH : 21.960 45.960

LUMINANCE DATA IN CANDELA/SQ M
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG 0-DEG 45-DEG 90-DEG
45 2838. 3000. 2987.
55 2650. 2837. 2781.
65 2401. 2594. 2510.
75 1946. 2112. 2094.
85 1057. 1127. 1233.



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

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

RF	20			20			20			
RC	80			50			30			
RW	70	50	30	50	30	10	50	30	10	
room cavity ratio	1	74	71	68	67	64	62	64	62	61
	2	68	62	57	58	55	52	56	53	51
	3	62	55	49	51	47	44	50	46	43
	4	56	48	43	46	41	37	44	40	37
	5	52	43	37	41	36	32	40	35	32
	6	48	39	33	37	32	28	36	31	28
	7	45	35	30	34	29	25	33	28	25
	8	41	32	27	31	26	22	30	26	22
	9	39	30	24	29	24	20	28	23	20
	10	36	27	22	26	22	18	26	21	18

ORDERING INFORMATION

Explanation of Catalog Number. Example: CXS2GFSVI33212003GLR

CX	S	2			VI	4				
CLEANGUARD WET LOCATION Class 10,000 or 100,000 Clean Room	STATIC	FIXTURE WIDTH		LENS FRAME: FS= Flat steel frame RA=Regressed aluminum frame FA=Flat aluminum frame	LENS/SHIELDING TYPE: VI (virgin acrylic) .125 standard. For options consult factory. Smooth side of lens towards room.	LAMP QUANTITY: 2=2 Lamp 3=3 Lamp 4=4 Lamp	LAMP/ FIXTURE LENGTH: 32=T8 (Nominal 48")	VOLTAGE: 120 or 277	BALLAST TYPE: 1 & 2 Lamp Elec. T8 2-2 Lamp Elec. T8 1-3 Lamp Elec. T8 1-4 Lamp Elec. T8 LOL T8 Dimming *Instant Start Standard	OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)
		CEILING TYPE: G= Grid (lay-in T bar) F=Flanged (overlap) Z spline and plaster frame							<20THD SD* SD* 03* 04* PS	<10THD HI* HI* H3* H4*

Other dimming options. Consult factory.

OPTIONS/ACCESSORIES

PLASTER FRAME: Catalog Number PF24.

CONTINUOUS ROW INSTALLATION: For F
type fixtures, half width flanges are required
between fixtures. Order Catalog Number:

S2FCTRIM (each joint).

FUSING: Internal fast-blow fusing.

SUFFIX: GLR.

Internal slow-blow fusing.

SUFFIX: GMF.

ELECTRICAL/WIRING OPTIONS:

Consult factory.

SPECIFICATIONS:

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel.
Housing with side rails hemmed over and housing ends turned-in for safe
handling.

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

LENSES: VI (standard) extruded virgin acrylic, 3/16" square based female
cones, running 45° to the panel edge, .125" nominal thickness (similar to
pattern 12).

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 ULc Listed.

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

LIGHTOLIER®

A Genlyte Thomas Company

TECHNICAL INFORMATION • (978) 657-7600
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C.F.I. DIVISION OF CANLYTE, INC.
525 EDUCATION ROAD, CORNWALL, ONTARIO
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