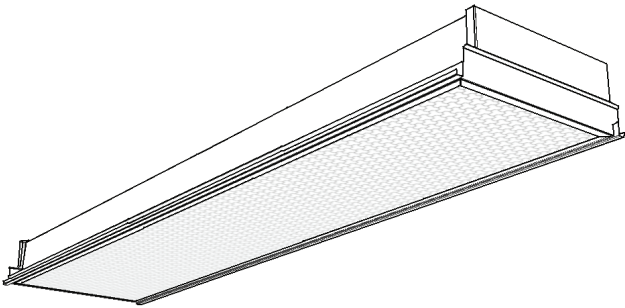
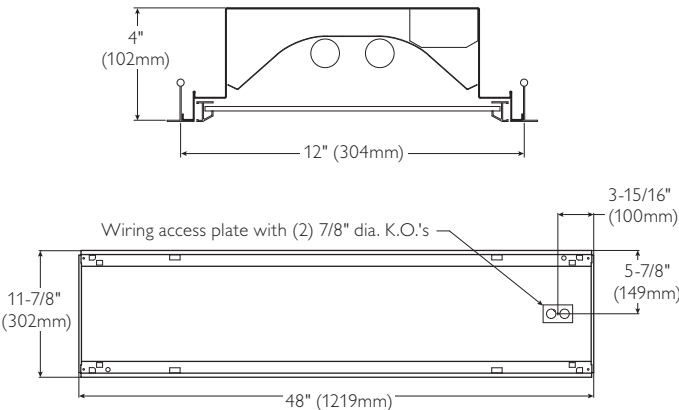


XP/XA Series

Recessed 1'X4' Fluorescent, T8

Page 1 of 3



Ordering Information

Family	Fixture Width	Ceiling Type	Lens Type	Lamp Quantity	Lamp/Fixture Length	Voltage	Ballast Type	Options
XP = Recessed fluorescent with flat steel lens frame XA = Recessed fluorescent with regressed aluminum lens frame	1 = 12" (Nominal Size)	G = Standard Grid F = Flanged (overlap) and plaster frame	VA = 0.095 Prismatic acrylic lens (standard) See options	1 = 1 Lamp 2 = 2 Lamps (by others)	32 = T8 4' Length (Nominal 48")	120 = 120v 277 = 277v UNV = 120-277v	HI* P2‡ PS	Add appropriate suffix to catalog no., i.e.: (C)

Features

- 69.0% efficient.
- 1.3 spacing mounting ratio.
- 1-3/4" from lamp to lens.
- Only 4" deep.
- Flat steel or regressed aluminum lens frame with mitered corners.
- Rooster head spring latches.
- "T" shaped hinges.
- Turned-up edges for safe handling.
- 2 hold-down clips (standard).
- Construction to meet Chicago Plenum is available.

Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

PHILIPS
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XP/XA Series

Recessed 1'X4' Fluorescent, T8

Page 2 of 3

Specifications

Performance: In an installation of 2 lamps 32 W luminaires in a room cavity of 1, with reflectance of 80% ceiling, 50% walls, 20% floor; the C.U. shall not be less than .73. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 67.5%.

Materials: Chassis Parts—Die-formed code gauge cold rolled steel. Housing is embossed for added strength and rigidity with all edges turned over for safe handling.

Lens frames—(**XP**) flat full-size steel frame, (**XA**) regressed full-size aluminum frame.

Finish: Chassis exterior—white baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Rust preventative undercoating.

Lens: Extruded virgin acrylic 3/16" square based female cones, running 45° to the panel edge. .095" 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., cULus listed. cULus listed for damp locations.

This product may have a mercury containing lamp.
Manage in accord with Disposal Laws. See: www.lamprecycle.org

Options & Accessories

Special Lens: Substitute **VY** for .125" nominal pattern 12 with 7.8 oz. average weight per square foot. Substitute **VI** for .125" normal pattern 12 with 6.2 oz. average weight per square foot.

Access Plates: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately.
Order Catalog number: **ACP5 CSP**.

Continuous Row Installation: For F type fixtures, half-width flanges are required between fixtures.
Order Catalog Number: **1FC TRIM CSP** (each joint).

Plaster Frames: F type fixtures do not include plaster frames. For individual or continuous mounting, specify **PF14** universal frame per fixture.

Options & Accessories (continued)

Electrical Wiring Options: Consult factory.

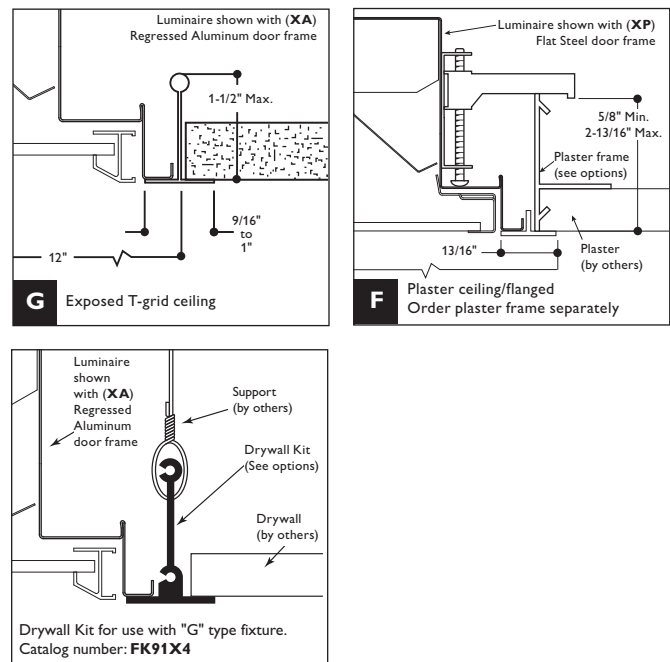
Radio Interference Filter: 120 or 277 volt, 50 or 60 Hz. One per fixture standard. Suffix: **R**. One per ballast. Suffix: **B**.

Drywall Kit: Order Catalog Number: **FK91X4**.

Fusing: Internal fast blow fusing: Suffix: **A**.
Internal slow blow fusing: Suffix: **C**.

Chicago Plenum: Suffix: **C**.

Mounting Methods



Job Information Type:

PHILIPS
LIGHTOLIER

XP/XA Series

Recessed 1'X4' Fluorescent, T8

Page 3 of 3

Photometry

Model No. XP1GVA232UNVHI

LER = 62.0 IW = 55.8 BF = 0.88
Comparative yearly lighting energy cost per
1000 lumens = \$3.87

Report Number: G2005320

Catalog Number: XP1GVA232UNVHI

Lamps: (2) F32T8

Luminaire:
XP flat steel door
frame with extruded
virgin acrylic lens .095"
nominal thickness
(similar to pattern 12).

Ballast: B232IUNV HP-B

Report is based on 2850 lumens per lamp.

Efficiency: 69.0%

CIE Type: Direct

Plane: 0-Deg. 90-Deg.

Spacing Criteria: 1.2 1.3

Plane: 0-Deg. 90-Deg.

Luminous Length: 48.000 12.000

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	1603	1603	1603	
5	1583	1597	1611	152
15	1521	1562	1600	442
25	1404	1485	1547	683
35	1222	1329	1366	820
45	934	1005	1009	762
55	586	602	597	538
65	329	288	290	301
75	158	163	177	175
85	53	56	64	62
90	0	0	0	

Coefficients of Utilization

Ceiling	80%			50%			30%		
	70	50	30	50	30	10	50	30	10
RC	Zonal Cavity Method								
RW	Effective Floor Reflectance = 20%								
1	76	73	70	68	66	65	66	64	63
2	70	64	60	61	58	55	59	56	53
3	64	57	52	54	50	47	52	49	46
4	59	51	46	49	44	41	47	43	40
5	55	46	40	44	39	36	43	38	35
6	51	42	36	40	35	31	39	35	31
7	47	38	32	37	32	28	36	31	28
8	44	35	29	34	29	25	33	28	25
9	41	32	27	31	26	23	30	26	23
10	38	30	24	29	24	21	28	24	21

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	1278	22.4	32.5
0-40	2097	36.8	53.3
0-60	3398	59.6	86.4
0-90	3935	69.0	100.0
90-180	0	0.0	0.0
0-180	3935	69.0	100.0

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	3553.	3823.	3838.
55	2748.	2823.	2800.
65	2094.	1833.	1846.
75	1642.	1694.	1840.
85	1636.	1728.	1975.



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XP-XA FL 1X4 June 12, 2012

Specifications are subject to change without notice.
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Job Information Type: