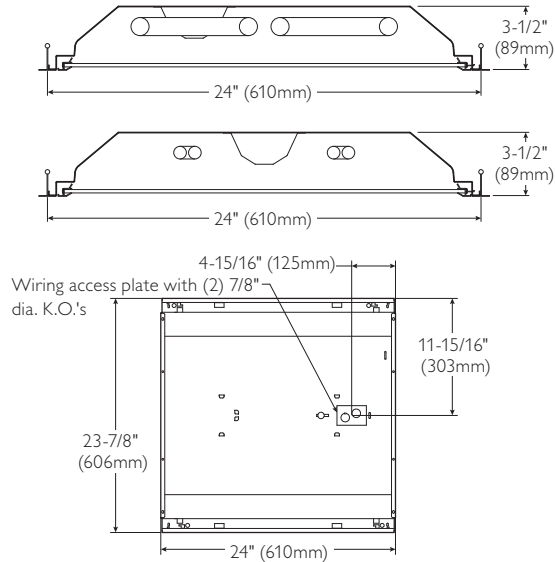


XP/XA Series

Recessed 2'X2' Fluorescent, U lamp T8 or TT5

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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	2 = 24" (Nominal Size)	G = Standard Grid	VA = 0.095 Prismatic acrylic lens (standard) See options	2 = 2 Lamps (by others)	FT = Twin tube T5 6U = 6" U lamp T8 (Nominal 24")	120 = 120v 277 = 277v UNV = 120-277v	<20THD <10THD 2 Lamp Elec. TT5 2 Lamp Elec. TT5 LOL Dimming TT5 2 Lamp Elec. T8 2 Lamp Elec. T8 LOL Dimming T8 SB* — — — — — IB* PR‡ PB HI* P2‡ PS	Add appropriate suffix to catalog no., i.e.: (C)

Features

- 71.7% efficient U Lamp T8.
- 84.1% efficient TT5 Lamp.
- Only 3-1/2" deep body.
- Flat steel or regressed aluminum lens frame with mitered corners.
- Rooster head spring latches.
- "T" shaped lens frame hinges.
- Housing has turned-up edges for safe handling.
- UL listed twin knockout access plate for easy closed lens frame wiring.

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

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XP/XA Series

Recessed 2'X2' Fluorescent, U lamp T8 or TT5

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Specifications

Performance: In an installation of 2 lamp 32 W T8 luminaires in a room cavity of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .76. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 67.7%.

In an installation of 2 lamps 40 W TT5 luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .89. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 68%.

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.

Finish: Chassis exterior—white baked polyester enamel.

Cavity—white baked polyester enamel minimum 86% reflectance. Rust preventative undercoating.

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

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., cUus 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: **ACP CSP**.

Options & Accessories (continued)

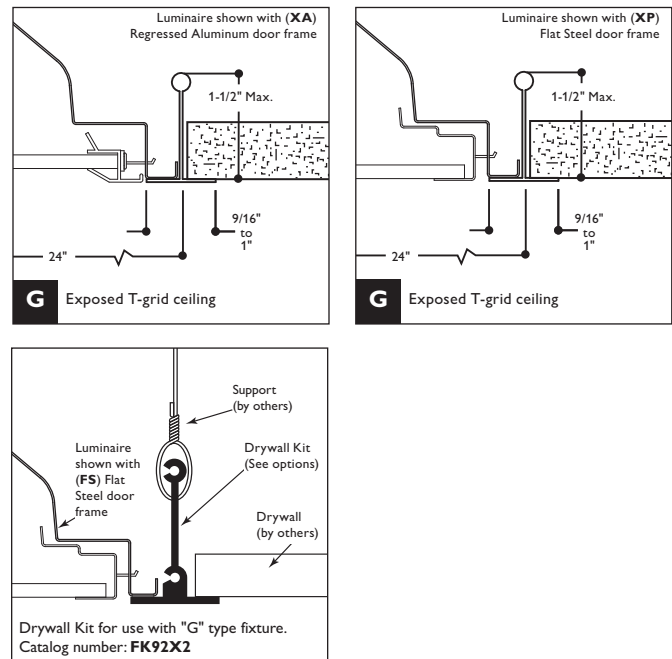
Electrical Wiring Options: Consult factory.

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: **FK92X2**.

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

Mounting Methods



Job Information Type:

PHILIPS
LIGHTOLIER

XP/XA Series

Recessed 2'X2' Fluorescent, U lamp T8 or TT5

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Photometry

Model No. XP2GVA26U120HI

LER = 62.8 IW = 55.3 BF = 0.88
Comparative yearly lighting energy cost per
1000 lumens = \$3.82

Report Number: G2004002

Catalog Number: XP2GVA26U120HI

Lamps: (2) FB31T8/TL741/6

XP 2X2, flat steel door
Luminaire: frame with extruded
virgin acrylic lens .095"
nominal thickness
(similar to pattern 12).

Ballast: B2321120

Report is based on 2750 lumens per lamp.

Efficiency: 71.7%

CIE Type: Direct

Plane: 0-Deg. 90-Deg.

Spacing Criteria: 1.2 1.3

Plane: 0-Deg. 90-Deg.

Luminous Length: 21.960 21.960

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	1638	1638	1638	
5	1629	1630	1637	155
15	1553	1578	1605	446
25	1409	1463	1519	674
35	1189	1263	1354	790
45	890	966	1055	746
55	588	636	684	565
65	340	305	365	331
75	174	140	205	178
85	53	51	65	60
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%								
Room Cavity Ratio	1	2	3	4	5	6	7	8	9
	79	76	73	71	69	67	68	67	65
	72	67	62	63	60	57	61	58	55
	66	59	54	56	52	48	54	51	48
	61	53	47	50	46	42	49	45	41
	56	48	42	45	40	37	44	40	36
	52	43	37	41	36	32	40	36	32
	49	39	33	38	33	29	37	32	29
	45	36	30	35	30	26	34	29	26
	42	33	27	32	27	23	31	27	23
	40	31	25	30	25	21	29	24	21

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	1275	23.2	32.3
0-40	2066	37.6	52.4
0-60	3376	61.4	85.6
0-90	3945	71.7	100.0
90-180	0	0.0	0.0
0-180	3945	71.7	100.0

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	4044.	4389.	4794.
55	3294.	3563.	3832.
65	2585.	2319.	2775.
75	2160.	1738.	2545.
85	1954.	1880.	2396.

Model No. XP2GVA2FT120SB

LER = 74.3 IW = 58.0 BF = 0.87
Comparative yearly lighting energy cost per
1000 lumens = \$3.24

Report Number: G03129

Catalog Number: XP2GVA2FT120SB

Lamps: (2) F40/30BX/SPX35

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

Ballast: Electronic

Report is based on 3150 lumens per lamp.

Efficiency: 84.1%

CIE Type: Direct

Plane: 0-Deg. 90-Deg.

Spacing Criteria: 1.2 1.3

Plane: 0-Deg. 90-Deg.

Luminous Length: 21.960 21.960

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	2160	2160	2160	
5	2152	2151	2152	205
15	2057	2088	2123	590
25	1869	1954	2035	900
35	1574	1702	1836	1064
45	1191	1333	1435	1002
55	800	873	899	746
65	491	444	509	453
75	241	195	278	245
85	83	81	101	95
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%								
Room Cavity Ratio	1	2	3	4	5	6	7	8	9
	92	89	85	83	81	78	80	78	76
	85	78	73	74	70	66	71	68	65
	78	69	63	66	61	56	63	59	55
	72	62	55	59	53	49	57	52	48
	66	56	49	53	47	43	52	46	42
	61	51	43	48	42	38	47	42	37
	57	46	39	44	38	34	43	37	33
	53	42	35	40	34	30	39	34	30
	50	39	32	37	31	27	36	31	27
	47	36	29	35	29	25	34	29	25

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	1695	26.9	32.0
0-40	2759	43.8	52.1
0-60	4507	71.5	85.0
0-90	5300	84.1	100.0
90-180	0	0.0	0.0
0-180	5300	84.1	100.0

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	5532.	6192.	6665.
55	4581.	4999.	5148.
65	3816.	3451.	3956.
75	3058.	2475.	3528.
85	3128.	3052.	3806.



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XP-XA FL 2X2 June 12, 2012

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