

CATALOG NO. _____



TYPE NO. _____

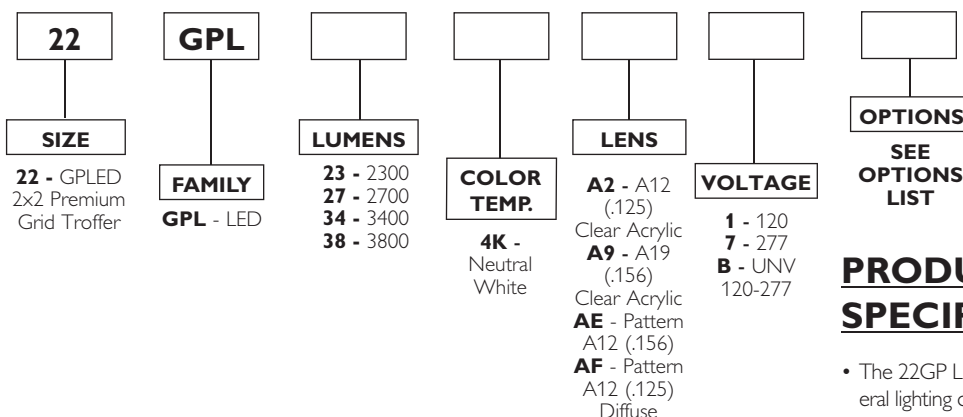
JOB NAME _____

22GP LED Premium Grid Troffer



ORDERING INFORMATION

Catalog Number: Example: 22GPL234KA1-B



PRODUCT SPECIFICATIONS

- The 22GP LED is an excellent choice for general lighting distribution for ambient lighting
- High efficacy long life solid stage lighting platform
- Lumen packages range from 2,300 to 3,800 lumens, providing flexibility to optimize light levels for a specific application
- Lighting power densities of 0.75 Watts/square foot or less are possible while maintaining recommended light levels
- Available in 4000K (neutral) color temperature
- High CRI - 80, for excellent color rendering
- High efficiency LEDs have 50,000 hour rated life (L70)
- Standard sealed configurations does not include a door frame since cleaning and relamping are not required
- Frameless design maximizes luminous aperture and provides a clean appearance
- Lower housing includes smooth edges for safe, easy handling
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel
- Sealed housing prevents the entry of dirt and bugs into the luminaire which eliminates the need for internal cleaning and reduces maintenance
- Driver and LED boards are accessible from above
- LED boards are individually replaceable if required
- Combinations are available providing nearly 90 delivered lumens per watt
- 5 year/50,000 hour Warranty; ETL Listed for damp Locations

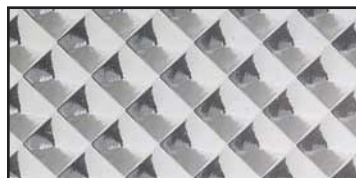
ACCESSORIES

- ☐ **FK92X2R-DB** - 2 x 2 "F" mounting frame for NEMA "F" mounting

OPTIONS

- ☐ **F1** - 3-wire Flex (single circuit)
- ☐ **C1** - In-line Fuse

LENSES



A2- A12 (.125) Clear Acrylic



AE- Pattern A12 (.156)



A9- A19 (.156)



22GP LED Premium Grid Troffer

Energy data

Model	Initial Delivered Lumens at 25°C Ambient	Input Power	Lumens Per Watt
22GPL234K-AE	2253	26W	87LPW
22GPL234K-AF	2203	26W	85LPW
22GPL274K-AE	2665	30W	89LPW
22GPL274K-AF	2615	31W	84LPW
22GPL344K-AE	3368	40W	84LPW
22GPL344K-AF	3288	40W	82LPW
22GPL384K-AE	3796	46W	83LPW
22GPL384K-AF	3697	45W	82LPW

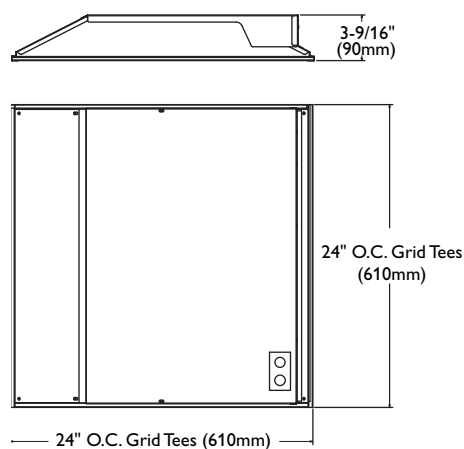


Fluorescent Configuration	Approx. Total Delivered Lumens	GP2LED Equivalent*
2 lamp T8 31U6	3,500	22GPL344K
2 lamp T8 31U1	3,900	22GPL384K
3 lamp T8 31U1	5,500	n/a max. lumens would be 22GPL384K
2 lamp T12 40U6	2,800	22GPL274K
3 lamp T12 40U3	3,800	22GPL384K

Fluorescent Configuration	Approx. Total Delivered Lumens	22GP LED Equivalent
2 lamp T8 17W	2,000	22GPL234K
3 lamp T8 17W	2,850	22GPL274K
4 lamp T8 17W	3,650	22GPL344K
2 lamp CF40	4,800	n/a, max. lumens would be 22GPL384K
3 lamp CF40	6,900	n/a, max. lumens would be 22GPL384K

*GP2LED equivalent will provide similar delivered lumens and light levels. Analysis to determine appropriate light levels for the space is highly recommended.

Dimensions



22GP LED Premium Grid Troffer

Photometry

22GP LED Troffer, 2300 nominal lumens, standard lens

Catalog No.	22GPL234K-AE	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29485	0	993	993	993	0-30	755	33.5	45	1806	1730	1901
S/MH	1.2	5	988	985	989	0-40	1208	53.6	55	1357	1270	1393
Lamp Type	25WLED	10	972	967	976	0-60	1929	85.6	65	949	766	939
Lumens/Lamp	2253	15	945	944	953	0-90	2253	100.0	75	688	526	815
Input Watts	26	20	905	908	918				85	445	286	547
		25	856	856	870	Coefficients of Utilization						
		30	792	794	814	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
		35	719	723	744	pcc	80			70		
		40	633	635	657	pw	70	50	30	70	50	30
		45	534	535	562	RCR						
		50	434	439	457	0	118	118	118	115	115	115
		55	341	339	350	1	110	105	102	107	103	100
		60	259	242	257	2	101	93	86	97	91	85
		65	189	166	187	3	93	82	76	90	81	75
		70	136	111	144	4	84	73	66	82	72	65
		75	97	84	115	5	79	67	58	77	66	57
		80	68	62	86	6	72	60	52	70	59	52
		85	35	28	43	7	68	55	46	67	55	46
						8	64	51	42	61	50	41
						9	59	46	39	57	46	39
						10	56	42	35	55	42	35

22GP LED Troffer, 2300 nominal lumens, diffuse lens

Catalog No.	22GPL234K-AF	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29486	0	967	967	967	0-30	724	32.8	45	1671	1617	1756
S/MH	1.2	5	962	960	961	0-40	1146	52.0	55	1322	1247	1381
Lamp Type	25WLED	10	943	941	945	0-60	1838	83.4	65	1029	928	1049
Lumens/Lamp	2203	15	909	910	918	0-90	2203	100.0	75	844	683	808
Input Watts	26	20	866	871	880				85	521	327	445
		25	807	814	829	Coefficients of Utilization						
		30	740	749	764	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
		35	666	675	694	pcc	80			70		
		40	581	589	608	pw	70	50	30	70	50	30
		45	494	500	519	RCR						
		50	414	419	432	0	118	118	118	115	115	115
		55	332	333	347	1	109	105	101	107	103	98
		60	263	261	273	2	100	93	85	97	91	84
		65	205	201	209	3	92	81	73	90	81	72
		70	159	149	157	4	84	72	65	82	71	64
		75	119	109	114	5	78	66	57	76	65	56
		80	82	72	77	6	72	59	51	70	58	51
		85	41	32	35	7	68	55	46	66	54	46
						8	63	50	41	61	48	41
						9	58	46	38	57	46	38
						10	56	42	34	54	41	34

22GP LED LED Troffer, 2700 nominal lumens, standard lens

Catalog No.	22GPL274K-AE	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29479	0	1170	1170	1170	0-30	829	33.5	45	2111	2054	2250
S/MH	1.2	5	1166	1164	1167	0-40	1426	53.5	55	1568	1521	1704
Lamp Type	30WLED	10	1145	1144	1152	0-60	2283	85.7	65	1110	933	1145
Lumens/Lamp	2665	15	1111	1115	1125	0-90	2665	100.0	75	943	558	844
Input Watts	30	20	1065	1071	1088				85	623	409	508
		25	998	1013	1037	Coefficients of Utilization						
		30	927	939	967	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
		35	841	851	887	pcc	80			70		
		40	735	744	784	pw	70	50	30	70	50	30
		45	624	635	665	RCR						
		50	510	523	550	0	118	118	118	115	115	115
		55	394	406	428	1	110	105	102	107	103	100
		60	296	299	316	2	101	93	86	97	91	85
		65	221	202	228	3	93	82	76	90	81	75
		70	169	133	163	4	84	73	66	82	72	65
		75	133	89	119	5	79	67	58	77	66	57
		80	97	66	80	6	72	60	52	70	59	52
		85	49	40	40	7	68	55	46	67	55	46
						8	64	51	42	61	50	41
						9	59	46	39	57	46	39
						10	56	42	35	55	42	35

22GP LED Premium Grid Troffer

Photometry

22GP LED LED Troffer, 2700 nominal lumens, diffuse lens

Catalog No.	22GPL274K-AF	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29478	0	1144	1144	1144	0-30	858	32.8	45	1976	1937	2080
S/MH	1.2	5	1138	1136	1139	0-40	1359	52.0	55	1572	1476	1628
Lamp Type	30WLED	10	1115	1113	1121	0-60	2181	83.4	65	1225	1099	1230
Lumens/Lamp	2615	15	1076	1079	1087	0-90	2615	100.0	75	1007	802	950
Input Watts	31	20	1026	1031	1042				85	610	409	559
		25	955	968	981							
		30	876	886	905							
		35	787	804	820							
		40	691	699	721							
		45	584	599	615							
		50	491	495	511							
		55	395	394	409							
		60	314	310	322							
		65	244	238	245							
		70	186	178	183							
		75	142	128	134							
		80	96	85	90							
		85	48	40	44							

Comparative yearly lighting energy cost per 1000 lumens – \$2.86 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Tupelo laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

22GP LED LED Troffer, 3400 nominal lumens, standard lens

Catalog No.	22GPL344K-AE	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29481	0	1484	1484	1484	0-30	1130	33.5	45	2683	2597	2842
S/MH	1.2	5	1475	1474	1482	0-40	1805	53.6	55	2074	1899	2054
Lamp Type	38WLED	10	1450	1448	1463	0-60	2887	85.7	65	1426	1164	1421
Lumens/Lamp	3368	15	1412	1410	1428	0-90	3368	100.0	75	1007	702	1219
Input Watts	40	20	1349	1356	1377				85	648	511	839
		25	1277	1282	1301							
		30	1183	1188	1215							
		35	1074	1078	1116							
		40	938	939	987							
		45	793	803	840							
		50	656	658	684							
		55	521	507	516							
		60	392	372	379							
		65	284	252	283							
		70	204	165	217							
		75	142	112	172							
		80	98	83	127							
		85	51	50	66							

Comparative yearly lighting energy cost per 1000 lumens – \$2.86 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Tupelo laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

22GP LED LED Troffer, 3400 nominal lumens, diffuse lens

Catalog No.	22GPL344K-AF	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29480	0	1443	1443	1443	0-30	1080	32.8	45	2534	2438	2608
S/MH	1.2	5	1437	1431	1435	0-40	1709	52.0	55	1986	1869	2050
Lamp Type	38WLED	10	1408	1405	1410	0-60	2742	83.4	65	1521	1376	1572
Lumens/Lamp	3288	15	1360	1359	1367	0-90	3288	100.0	75	1184	1009	1297
Input Watts	40	20	1296	1297	1310				85	712	521	801
		25	1211	1220	1233							
		30	1117	1119	1135							
		35	998	1007	1028							
		40	877	884	899							
		45	749	754	771							
		50	616	621	645							
		55	499	499	515							
		60	394	392	408							
		65	303	298	313							
		70	230	223	241							
		75	167	161	183							
		80	109	110	128							
		85	56	51	63							

Comparative yearly lighting energy cost per 1000 lumens – \$2.93 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Tupelo laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

22GP LED Premium Grid Troffer

Photometry

22GP LED Troffer, 3800 nominal lumens, standard lens

Catalog No.	22GPL384K-AE	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45°	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29483	0	1664	1664	1664	0-30	1267	33.4	45	2997	2917	3203
S/MH	1.2	5	1660	1653	1657	0-40	2026	53.4	55	2253	2180	2400
Lamp Type	45WLED	10	1632	1628	1636	0-60	3247	85.5	65	1567	1353	1652
Lumens/Lamp	3796	15	1584	1584	1596	0-90	3796	100.0	75	1326	833	1191
Input Watts	46	20	1513	1519	1545				85	915	603	814
		25	1426	1437	1471							
		30	1316	1330	1375							
		35	1198	1208	1261							
		40	1053	1061	1116							
		45	886	902	947							
		50	718	745	785							
		55	566	582	603							
		60	422	424	454							
		65	312	293	329							
		70	242	191	233							
		75	187	133	168							
		80	136	98	115							
		85	72	59	64							
Comparative yearly lighting energy cost per 1000 lumens – \$2.89 based on 3000 hrs. and \$.08 pwr KWH.												
The photometric results were obtained in the Philips Tupelo laboratory which is NVLAP accredited by the National Institute of Standards and Technology.												
Photometric values based on test performed in compliance with LM-79.												

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
pcc	80			70			50					
pw	70	50	30	70	50	30	70	50	30	70	50	30
RCR												
0	118	118	118	115	115	115	111	111	111	111	111	111
1	110	105	102	107	103	100	98	95	95	95	95	95
2	101	93	86	97	91	85	88	82	82	82	82	82
3	93	82	75	90	81	73	79	72	72	72	72	72
4	84	73	66	82	72	65	70	64	64	64	64	64
5	79	67	58	77	66	57	64	56	56	56	56	56
6	72	60	52	70	59	52	57	51	51	51	51	51
7	68	55	46	66	55	46	53	46	46	46	46	46
8	64	51	42	61	50	41	48	41	41	41	41	41
9	59	46	39	57	46	39	45	38	38	38	38	38
10	56	42	35	55	42	34	41	34	34	34	34	34

22GP LED Troffer, 3800 nominal lumens, diffuse lens

Catalog No.	22GPL384K-AF	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45°	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	29482	0	1618	1618	1618	0-30	1212	32.8	45	2811	2726	2953
S/MH	1.2	5	1610	1605	1609	0-40	1919	51.9	55	2213	2098	2313
Lamp Type	45WLED	10	1579	1576	1583	0-60	3080	83.3	65	1742	1537	1762
Lumens/Lamp	3697	15	1525	1525	1537	0-90	3697	100.0	75	1418	1140	1354
Input Watts	45	20	1452	1455	1471				85	915	654	814
		25	1354	1368	1390							
		30	1242	1256	1280							
		35	1117	1126	1157							
		40	975	993	1025							
		45	831	843	873							
		50	689	695	722							
		55	556	560	581							
		60	444	436	458							
		65	347	333	351							
		70	265	252	263							
		75	200	182	191							
		80	137	119	129							
		85	72	64	64							
Comparative yearly lighting energy cost per 1000 lumens – \$2.93 based on 3000 hrs. and \$.08 pwr KWH.												
The photometric results were obtained in the Philips Tupelo laboratory which is NVLAP accredited by the National Institute of Standards and Technology.												
Photometric values based on test performed in compliance with LM-79.												

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
pcc	80			70			50					
pw	70	50	30	70	50	30	70	50	30	70	50	30
RCR												
0	118	118	118	115	115	115	111	111	111	111	111	111
1	109	105	101	107	103	98	97	94	94	94	94	94
2	100	92	85	97	91	84	86	81	81	81	81	81
3	92	81	73	90	81	72	78	70	70	70	70	70
4	84	72	65	82	71	64	69	63	63	63	63	63
5	78	66	57	76	65	56	63	56	56	56	56	56
6	72	59	51	70	58	51	56	50	50	50	50	50
7	68	55	46	66	54	46	52	45	45	45	45	45
8	63	50	41	61	48	41	47	40	40	40	40	40
9	58	46	38	57	46	38	44	36	36	36	36	36
10	55	42	34	54	41	34	40	34	34	34	34	34