

LPSM

BACK LIT ISO 5
CLEAN ROOM
CCT/WATTAGE
SELECTABLE FLAT PANEL



The **LPSM** is an clean room flat panel suitable for ISO class 5-9 positive pressure clean rooms, and is wet location rated. Selectable CCT and Wattage allow the color and lumen output to accommodate the various needs of clean room applications. Back lit design fully illuminates the flat panel, eliminating hot spots.

CONSTRUCTION: Constructed of a heavy gauge aluminum frame with high heat dissipation. Zero distance between the back cover and the frame to eliminate particle transfer.

OPTICAL SYSTEM: Lens is optimized to protect against yellowing and light degradation. Switchable CCT from 3500K, 4000K, and 5000K.

ELECTRICAL SYSTEM: >50,000 hour LEDs at L70 for reduced maintenance, switchable lumen technology allows for easy field-adjustable lighting output with three level switch located on back of panel. Operating temperatures: -10°C to 40°C (14°F to 104°F)

MOUNTING: The fixture can be surface, suspended, and recessed mounted.

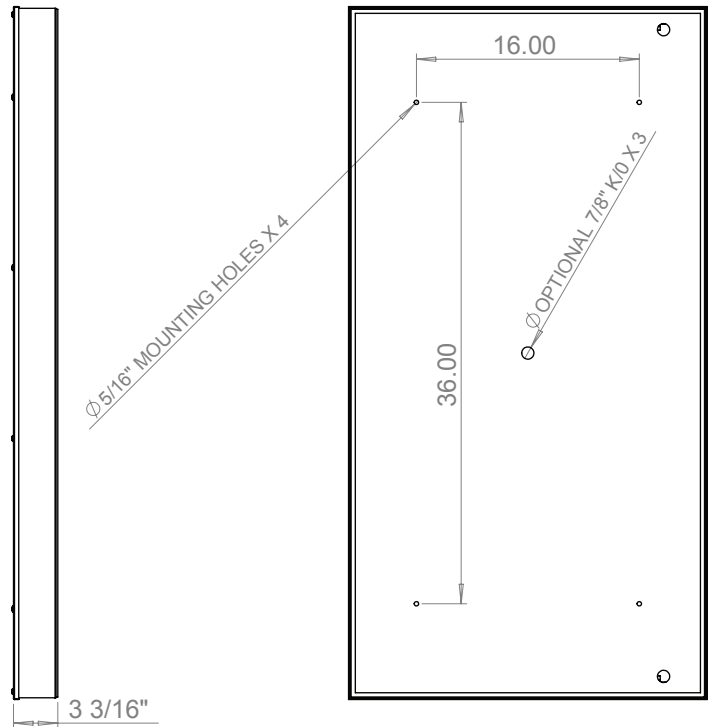
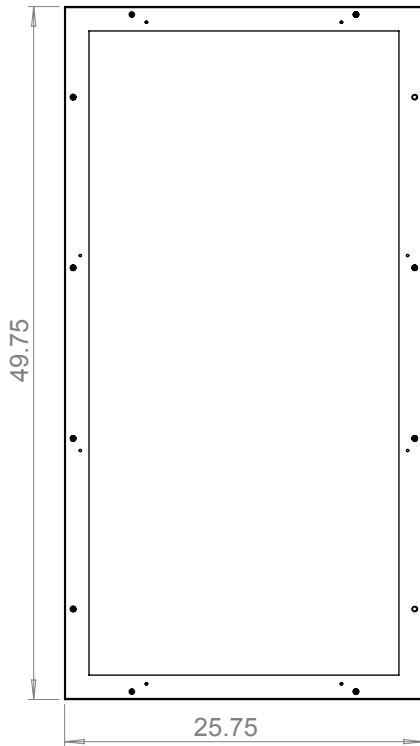
LISTINGS: ETL listed for damp locations. LM79, LM80 and TM21 compliant. Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive pressure cleanrooms. NSF Listed.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

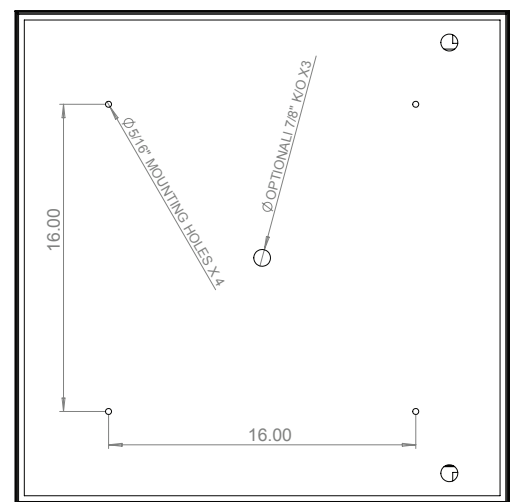
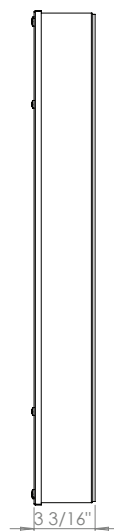
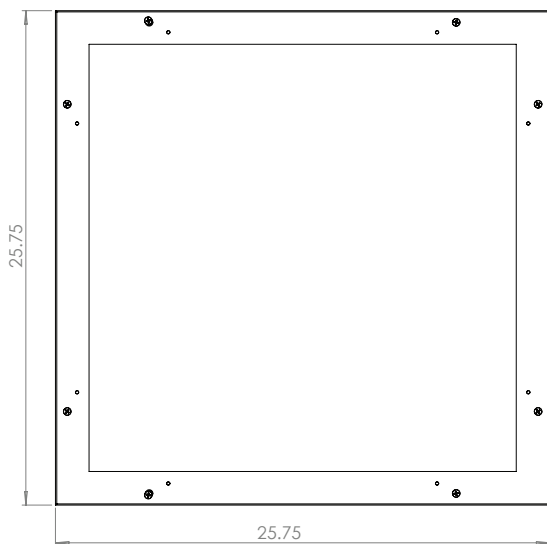
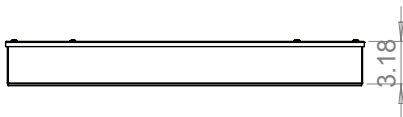
ORDERING INFORMATION

Example: LPSM-14-S-S-M

SERIES	SERIES	CCT	OUTPUT	VOLTAGE	DRIVER OPTIONS
LPSM	14 1x4 22 2x2 24 2x4	S Selectable CCT 3500K, 4000K, 5000K	S Selectable Wattage 20W/25W/30W - 1X4 20W/25W/30W - 2X2 30W/40W/50W - 2X4	M Multi-Volt (120-277VAC)	EM 8W Emergency FK22 2x2 Flange Kit FK24 2x4 Flange Kit SMS Surface Mount Shroud FW 6' Flex Whip AC20 20' Aircraft Cable

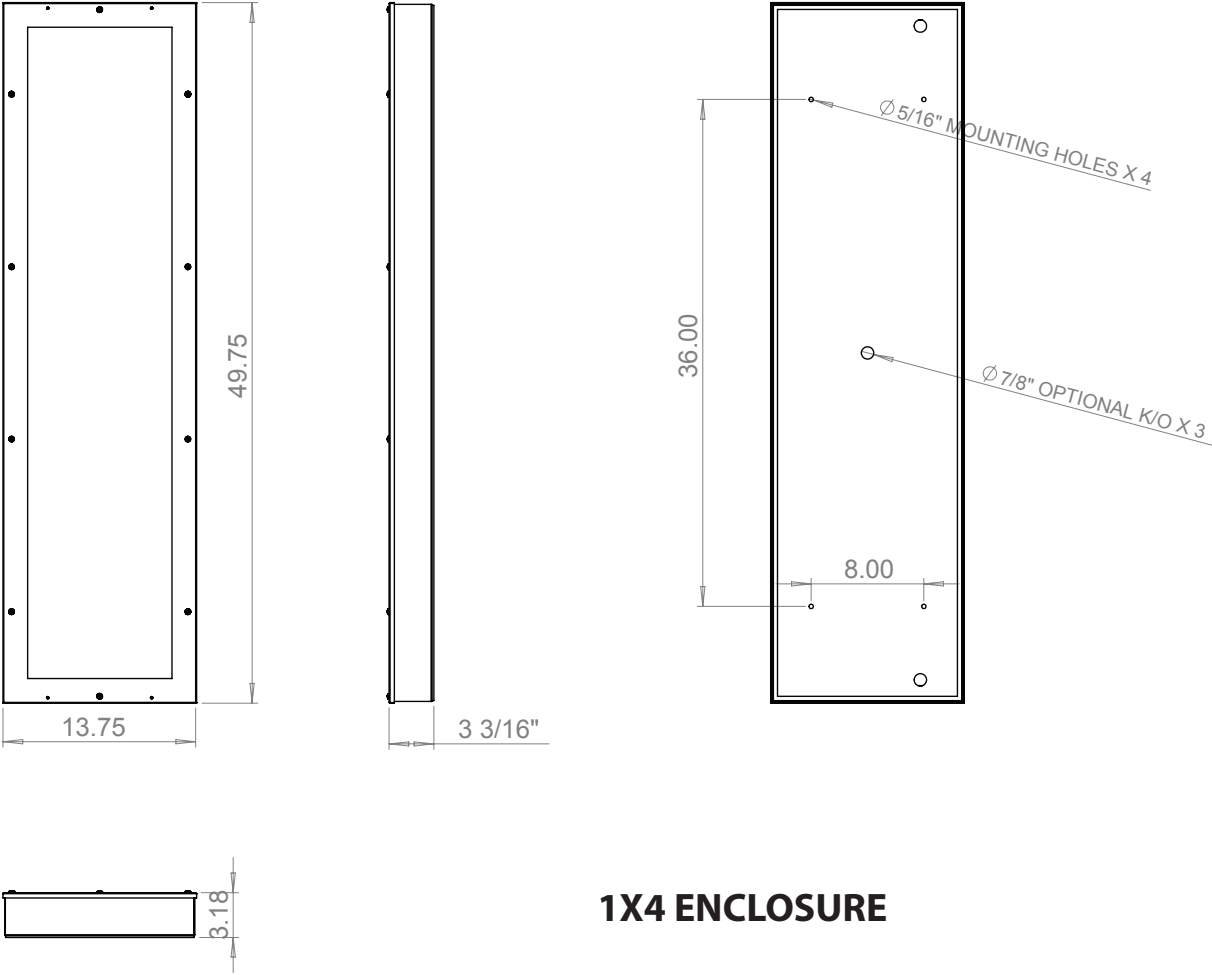


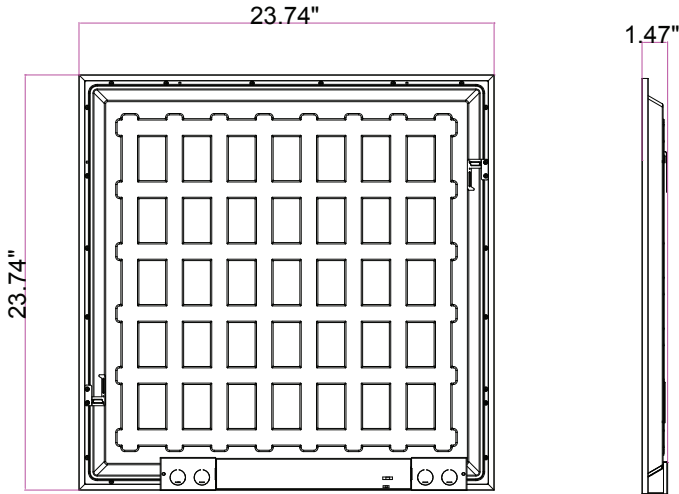
2X4 ENCLOSURE



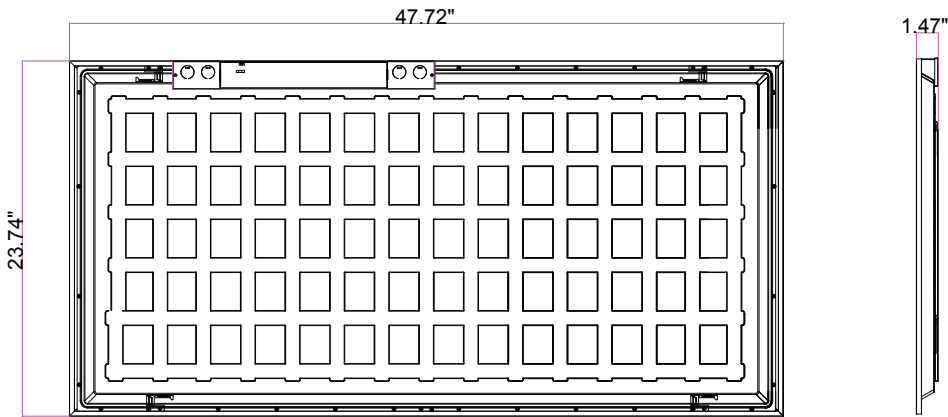
2X2 ENCLOSURE

CATALOG #:
PROJECT:
TYPE:

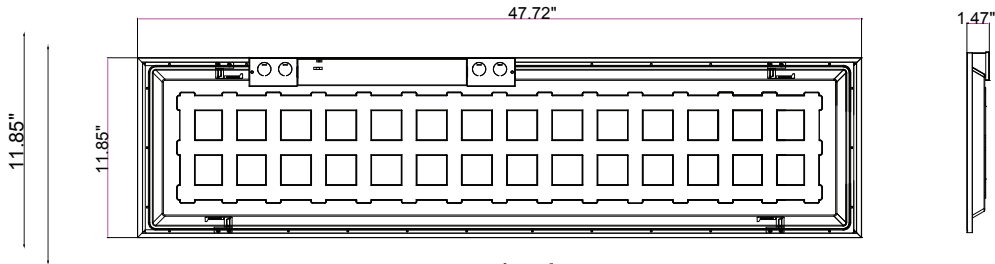




2x2

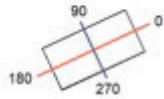


2x4



1x4

600mm x 1200mm

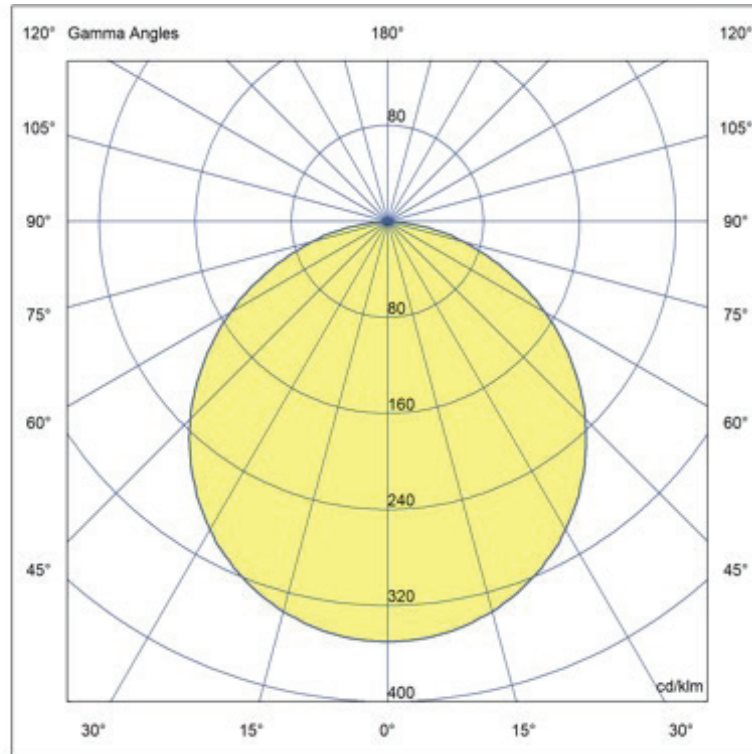


C Halfplanes

180.0 — 0.0

270.0 — 90.0

Flux 4150 lm
Maximum 349.98 cd/klm
Position C=0.00 G=0.00
Efficiency: 100.46%
Date: 25-04-2021
Double Symmetrical



ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1495	1484	1484	1481	1493	1494	1504	1496	0- 10	143.4	143.4	3.32, 3.32
20	1418	1401	1401	1397	1415	1423	1437	1427	10- 20	411.6	555.0	12.8, 12.8
30	1293	1273	1269	1268	1289	1307	1322	1311	20- 30	625.7	1181	27.3, 27.3
40	1116	1103	1096	1097	1115	1145	1163	1152	30- 40	757.1	1938	44.8, 44.8
50	902.7	887.8	884.6	883.5	898.9	940.8	963.8	943.7	40- 50	786.5	2724	63.63
60	659.2	643.7	641.7	633.0	652.9	696.9	730.3	705.3	50- 60	708.5	3433	79.4, 79.4
70	397.9	383.3	383.8	370.9	389.2	436.5	474.4	445.0	60- 70	533.9	3967	91.7, 91.7
80	154.0	147.6	145.7	136.1	146.4	189.2	222.8	198.6	70- 80	299.3	4266	98.6, 98.6
90	7.577	0	0	0	7.467	0	0	0	80- 90	59.35	4325	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.3263A P:38.989W PF:0.9959 Freq:59.98Hz

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521	1521
5	1503	1503	1503	1503	1503	1503	1503	1504	1504	1505	1505	1506	1507	1508	1509	1510	1511	1513	1512
10	1485	1485	1484	1484	1484	1483	1482	1482	1481	1481	1482	1482	1483	1484	1486	1488	1490	1493	1492
15	1443	1442	1443	1443	1443	1444	1445	1447	1449	1451	1450	1449	1448	1449	1450	1453	1456	1460	1458
20	1400	1399	1399	1398	1397	1397	1397	1396	1397	1399	1401	1405	1404	1403	1404	1406	1410	1415	1413
25	1335	1334	1334	1335	1336	1337	1340	1341	1340	1339	1339	1341	1345	1347	1346	1348	1351	1358	1355
30	1269	1268	1267	1266	1265	1264	1264	1266	1268	1273	1271	1270	1272	1276	1278	1278	1281	1289	1286
35	1182	1182	1182	1182	1183	1185	1187	1185	1186	1190	1193	1193	1191	1193	1199	1198	1200	1209	1206
40	1095	1094	1093	1092	1091	1091	1091	1093	1097	1096	1095	1098	1102	1099	1102	1104	1106	1115	1112
45	990	989	989	990	991	993	994	992	991	992	995	992	994	998	997	1002	1002	1011	1009
50	883	882	881	880	880	880	880	881	883	880	878	881	880	884	886	888	890	899	897
55	762	762	762	762	763	764	763	760	758	759	761	757	760	761	768	767	771	779	778
60	641	640	639	639	638	636	634	633	633	630	629	632	629	633	635	641	645	653	653
65	512	512	511	510	509	507	506	504	501	498	496	493	493	493	498	510	514	522	523
70	383	382	382	380	378	376	375	374	371	367	362	358	354	353	355	365	379	389	390
75	264	263	261	259	256	253	251	247	244	241	238	233	226	221	220	224	244	262	264
80	145	144	142	141	140	139	139	138	136	133	129	123	119	114	108	105	114	146	149
85	0.55	2.15	4.70	8.08	12.1	16.7	21.6	26.6	31.3	35.3	38.2	39.4	38.9	36.9	33.9	32.9	32.5	52.2	53.9
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.47	0.00

