

Si-36

with Power Share

27W Max. EM Load @ 10-55C

2 Hr Run Time Selection Chart



Luminaire wattage	14	15	16	17	18	19	20	21	22	23
Emergency Dim to 30% (W)	4.2	4.5	4.8	5.1	5.4	5.7	6	6.3	6.6	6.9
# of Emergency Luminaires	6	6	5	5	5	4	4	4	4	3
actual wattage from Si-36 used	25.2	27	24	25.5	27	22.8	24	25.2	26.4	20.7
Lumens per EM fixture **	500	536	571	607	643	678	714	750	785	821
Total System Lumens provided	2999	3213	2856	3035	3213	2713	2856	2999	3142	2463
Total fixture wattage (Max. 90 W)	84	90	80	85	90	76	80	84	88	69
Luminaire wattage	24	25	26	27	28	29	30	31	32	33
Emergency Dim to 30% (W)	7.2	7.5	7.8	8.1	8.4	8.7	9	9.3	9.6	9.9
# of Emergency Luminaires	3	3	3	3	3	3	3	2	2	2
actual wattage from Si-36 used	21.6	22.5	23.4	24.3	25.2	26.1	27	18.6	19.2	19.8
Lumens per EM fixture **	857	893	928	964	1000	1035	1071	1107	1142	1178
Total System Lumens provided	2570	2678	2785	2892	2999	3106	3213	2213	2285	2356
Total fixture wattage (Max. 90 W)	72	75	78	81	84	87	90	62	64	66
Luminaire wattage	34	35	36	37	38	39	40	41	42	43
Emergency Dim to 30% (W)	10.2	10.5	10.8	11.1	11.4	11.7	12	12.3	12.6	12.9
# of Emergency Luminaires	2	2	2	2	2	2	2	2	2	2
actual wattage from Si-36 used	20.4	21	21.6	22.2	22.8	23.4	24	24.6	25.2	25.8
Lumens per EM fixture **	1214	1250	1285	1321	1357	1392	1428	1464	1499	1535
Total System Lumens provided	2428	2499	2570	2642	2713	2785	2856	2927	2999	3070
Total fixture wattage (Max. 90 W)	68	70	72	74	76	78	80	82	84	86
Luminaire wattage	44	45	46	47	48	49	50	51	52	53
Emergency Dim to 30% (W)	13.2	13.5	13.8	14.1	14.4	14.7	15	15.3	15.6	15.9
# of Emergency Luminaires	2	2	1	1	1	1	1	1	1	1
actual wattage from Si-36 used	26.4	27	13.8	14.1	14.4	14.7	15	15.3	15.6	15.9
Lumens per EM fixture **	1571	1607	1642	1678	1714	1749	1785	1821	1856	1892
Total System Lumens provided	3142	3213	1642	1678	1714	1749	1785	1821	1856	1892
Total fixture wattage (Max. 90 W)	88	90	46	47	48	49	50	51	52	53
Luminaire wattage	54	55	56	58	60	61-90				
Emergency Dim to 30% (W)	16.2	16.5	16.8	17.4	18	18.3 - 27				
# of Emergency Luminaires	1	1	1	1	1	1				
actual wattage from Si-36 used	16.2	16.5	16.8	17.4	18	18.3-27				
Lumens per EM fixture **	1928	1964	1999	2071	2142	2140-3213				
Total System Lumens provided	1928	1964	1999	2071	2142	2140-3213				
Total fixture wattage (Max. 90 W)	54	55	56	58	60	61-90				
								non- dim	up to 27	
								Apps	27	
									1	
									27	
									up to 3213	
									up to 3213	
									up to 27	

All calculations based on 10-55C

If total emergency power is less than 27, luminaire will run much longer than 2 hours in emergency.

- 1- Define the wattage of the normal/emergency luminaire.
- 2- Determine from the chart how many emergency luminaires can be used with the Si-36 for 2 hours.
- 3- Use a lighting calculation program to determine spacing of emergency luminaires to meet life safety and local code requirements for egress.
- 4- Ensure that the total normal/(emergency) luminaire(s) or connected loads do not exceed 90 W.
- 5- LED Luminaires must incorporate linear 0-10Vdc dimming drivers and be wired with the Si-36 when using the PST functions. **Not compatible with logarithmic dimming drivers.**
- 6- **All Selection Chart Calculations are based on 85% driver efficiency and 140Lm/W efficacy.