



SE-30E -2024 1EA

SATELITE EMERGENCY LUMINAIRES

Product Informations

Brand	: Shinz
Series	: SE-30
Models	: SE-30E2, SE-30E1
Designation	: Emergency Luminaire - Satellite
Mode of Operation	: Non - Maintained
Emergency Type	: Self - Contained
Emergency System	: Single Point System

LED Technical Data

Led - Watt	: 3W
Led - CCT	: 3500K / 6500K
Lumens Output - 3500K (DC MODE)	: 161 Lumens
Lumens Output - 6500K (DC MODE)	: 196 Lumens
Input Wattage	: 3.1W
Input Current	: 0.013A
Input Voltage	: AC240V ~
Power Factor	: 0.98

Test Facilities

Manual Test	: Push-To-Test Switch
Automatic Test	: EL-T (Automatic Testing) with Programmable
Functional Test - Monthly (E2 Model)	: Red Indication Flashing at 1Hz
Duration Test - Yearly (E2 Model)	: Red Indication Flashing at 3Hz
LED Fault Indication / Alerts (E1 & E2)	: Green Indication Flashing 3Hz
Battery Fault Indication / Alerts (E1 & E2)	: Green Indication Flashing 1Hz

Battery Technical Data

Size / Type	: 3.2VDC 1500mAh High Temperature Sealed Lithium Iron Phosphate ($LiFePO_4$)
Back up duration	: 180 Minutes
Protection for supply voltage against revese polarity	: PCM - Pulse Code Modulation
Life Cycle	: 2000 - 2500
Temperature Withstand	: 70°C

Fixture Data

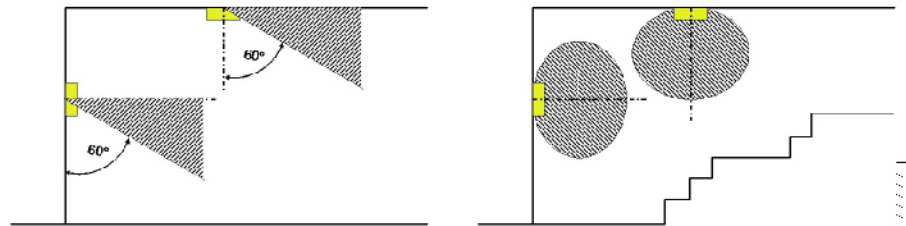
Contruction Material	: Injection Moulded Fire Reductant Polycarbonate
Outlook	: Round
Degree of Protection	: IP40
Operating Temperature	: ta 35°C
Mounting	: Recessed or Surfaced
Weight - Recessed	: 0.158 kg
Weight - Surfaced	: 0.215 kg
Fixture Colour	: White / Black
Diamensions	: Refer To Figure A

Data Sheet Emergency Lighting		SE-30E (3500K)	SE-30E (6500K)
Luminous Flux		: 186 lm	: 210 lm
Correction Factor		: 1.000	: 1.000
Emergency Lighting Factor		: 1.00	: 1.00
Emergency Lighting Luminous Flux		: 186 lm	: 210 lm
Light Output Ratio		: 99.99	: 99.99
Light Output Ratio (Lower Hemisphere)		: 99.29	: 99.24
Light Output Ratio (Upper Hemisphere)		: 0.71	: 0.76

Glare Valuation <i>(Maximum Luminous Intensity [Cd])</i>	SE-30E (3500K)			SE-30E (6500K)		
	C0	C90	C0 - C360	C0	C90	C0 - C360
Gamma 60° - 90°	4.9	116.0	158.7	10.2	134.1	160.5
Gamma 0° - 180°	57.5	147.8	158.7	57.4	138.5	160.5

SE-30E
(3500K)

SE-30E
(6500K)



Distance Table For Even Escape Routes

Model	Photometric	Mounting Height [m]					
SE-30E (3500K)		2.00	2.37	5.57	8.15	10.15	4.19
		3.00	2.66	6.89	10.36	13.16	5.36
		4.00	2.67	7.52	11.74	15.38	6.11
		5.00	2.46	7.71	11.31	17.06	3.93
		6.00	1.20	7.56	9.41	15.81	2.29
		7.00	0.00	6.57	6.58	11.26	0.00
		8.00	0.00	4.33	4.24	7.38	0.00
		9.00	0.00	2.41	0.46	0.56	0.00
10.00	0.00	0.00	0.00	0.00	0.00		
SE-30E (6500K)		2.00	2.54	5.99	8.69	11.05	4.65
		3.00	2.87	7.30	10.84	14.00	5.67
		4.00	2.96	7.95	12.22	16.14	6.13
		5.00	2.79	8.15	11.41	17.56	3.71
		6.00	1.63	8.15	9.27	15.74	2.17
		7.00	0.00	6.93	6.97	10.32	0.00
		8.00	0.00	4.55	4.81	6.51	0.00
		9.00	0.00	2.50	0.57	0.61	0.00
10.00	0.00	0.00	0.00	0.00	0.00		

The spacing table is based on the following parameters:

- Light loss factor: 0.72
- Emergency lighting factor: 1.00
- Minimum illuminance on center line: 1.00 lx

- Minimum illuminance on half of escape route width: 0.50 lx
- Diversity on the center line max. 40 : 1
- Width of escape route: 2.00 m