

# SHINZ<sup>®</sup>

Innovating Future

## SATELLITE EMERGENCY LUMINAIRE **SE-30**



### Reference Standard

MS 619-2-22:2005

(IEC 60598-2-22:1997 and  
Amd. 1:2022, MOD)

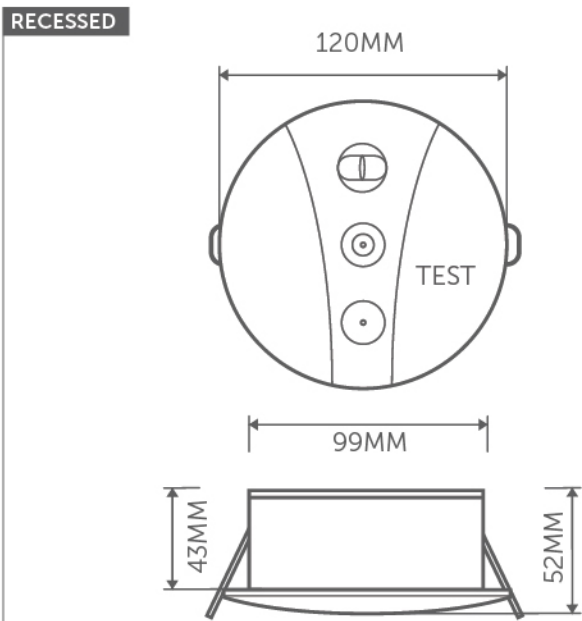
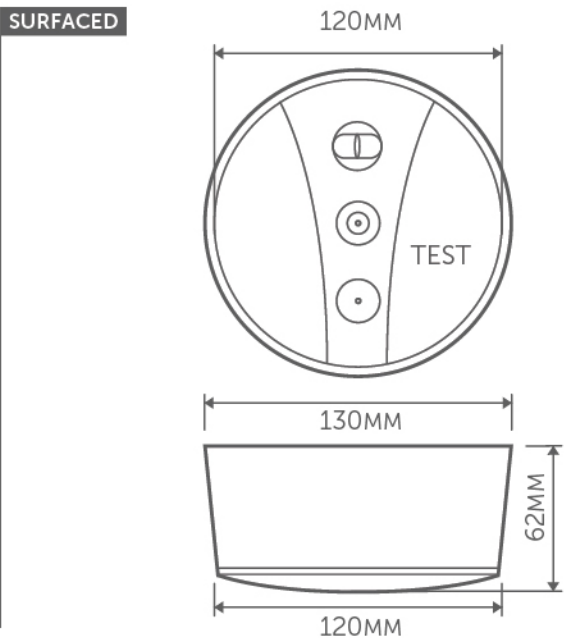
# TECHNICAL CHARACTERISTIC

Mode of Operation	: Non-Maintained
Input Voltage	: 240~ VAC, 50 Hz
Lamp Type	: 1 x 2W LED
Lamp Output	: 130 lumens
Input Current	: 0.06A
Power Factor	: 0.4
Charger	: Solid State Electronic Automatic
Charger Monitor	: Red LED
Test Facility	: Push-To-Test Switch
Battery Type	: High Temp. Sealed Nickel-Cadmium
Back Up Duration	: 3 Hours
Operating Temperature	: ta 35°C
Weight	: 0.296 Kg
Mounting	: Surface / Recess
Degree of Protection	: IP 20
Fitting Construction	: Injection Molded Fire Reductant Polycarbonate
Warranty	: 2-5 Years ( <i>Terms and Conditions apply</i> )
Operation Manual	: QR code provided at Installation guide
Reference Standard	: MS619-2-22:2015 (IEC 60598-2-22:19997 and AMD.1:2022, MOD)



## PRODUCT DIMENSIONS

DESCRIPTIONS	LENGTH	HEIGHT	WIDTH
SURFACED	120 MM	62 MM	130 MM
RECESSED	120 MM	43/52MM	99 MM



\* All Informations are subject to change without prior notice

# SE-30

## Satellite Emergency Luminaire



Dedicated for allocating luminaires correctly to reveal specific hazards and highlight safety equipment and signs. Whether it is for an emergency escape route, open area (anti-panic) or hazardous area (high-risk task area).

SE-30R (RECESSED) & SE-30S (SURFACED) are ideally use in modern hotels, commercial and public buildings. It was designed to highlight safety equipments and most importantly provide essential illumination and guiding occupants to safe locations.

A self-contained emergency light with only 2 watts of 130 lumens which designed to have spot and focus beam light that can be apply on high ceilings up to 10 meters mounting height. (Please refer to product distance table) The light fitting diameter is 120mm with a standard 99mm minimal cut-out hole is sufficient.

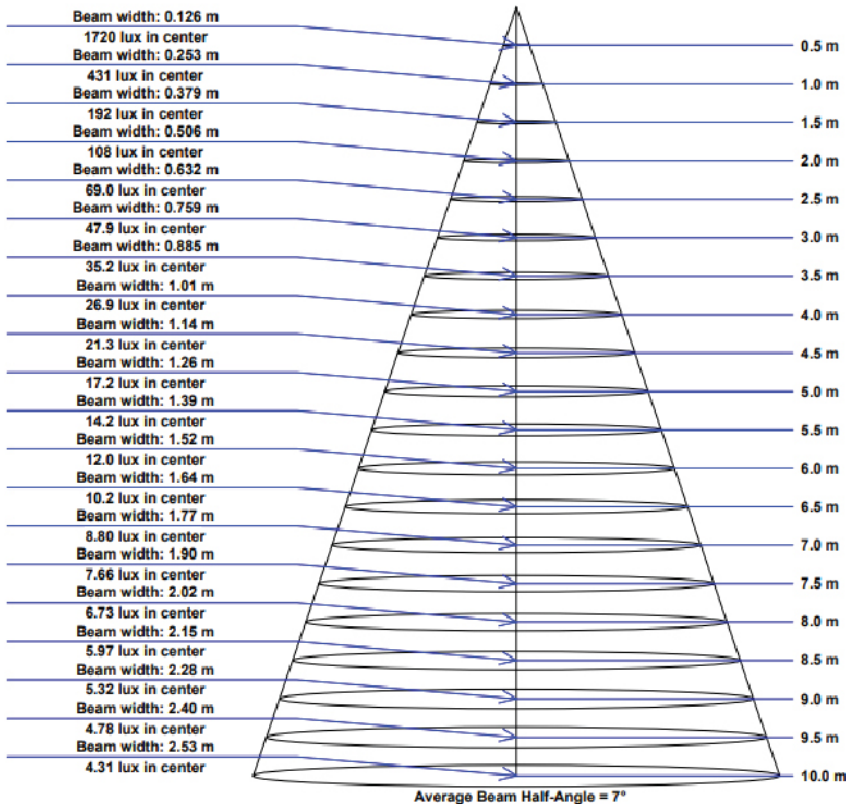


**SE-30R RECESSED MOUNT**  
0.241 Kg/Unit | 30 Units/Carton



**SE-30S SURFACED MOUNT**  
0.296 Kg/Unit | 30 Units/Carton

## CONE LUX LEVELS



### Note :

Risk Areas with targeted lux level can be referred to the cone lux levels above.

## SPECIFICATIONS FOR EMERGENCY LIGHTING

Self-contained emergency light with non maintained mode of operation that comes with high temperature sealed Nickel Cadmium batteries to back up 3 hours constantly. The emergency light shall also comply with MS619-2-22:2005 & IEC 60598-2-22:2014. The Shinz SE-30 fitting is constructed using high injection molded fire reductant polycarbonate with IP20.

# DATA SHEET EMERGENCY LIGHTING

## SE-30 (Surfaced & Recessed)

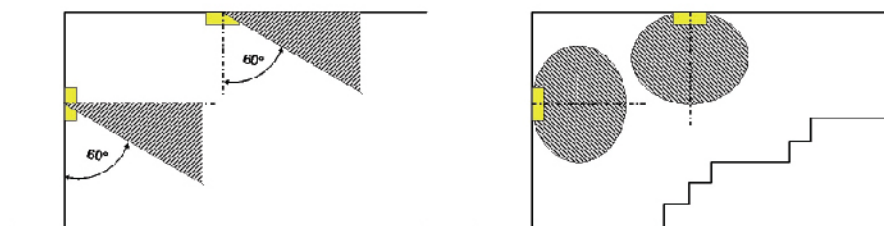
Luminous Flux	: 134 lm
Correction Factor	: 1.000
Emergency Lighting Factor	: 1.00
Emergency Lighting Luminous Flux	: 134 lumens
Light Output Ratio	: 100.03
Light Output Ratio (Lower Hemisphere)	: 99.46
Light Output Ratio (Upper Hemisphere)	: 0.54

## GLARE VALUATION (Maximum Luminous Intensity [cd])

### SE-30 (Surfaced & Recessed)

	C0	C90	C0 - C360
Gamma 60° - 90°	5.7	4.8	6.6
Gamma 0° - 180°	655.9	431.0	670.8

### SE-30 (Surfaced & Recessed)






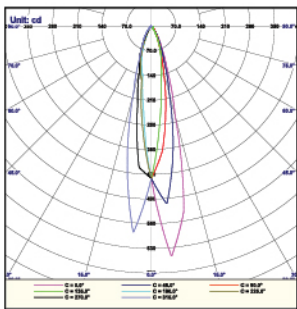


## DISTANCE TABLE FOR EVEN ESCAPE ROUTES

The spacing tables show the distance from the wall or door to the first luminaire and then the distance that must not be exceeded for spacing between subsequent luminaires.

This is shown for the luminaires being mounted either parallel to the route (Axial) or at right angles to the route (Transverse) for different mounting heights.

In addition to values for escape routes, figures are also given for the coverage of open areas by regular arrays of luminaires.

Model	Photometric	Mounting Height [m]					
SE-30 (Surfaced & Recessed)		2.00	1.35	3.02	3.17	3.35	1.37
		3.00	2.03	4.54	4.75	4.87	1.97
		4.00	2.48	5.47	5.80	5.55	2.18
		5.00	2.72	6.08	6.47	6.12	2.29
		6.00	2.87	6.56	6.94	6.51	2.41
		7.00	3.05	6.94	7.48	6.90	2.46
		8.00	3.18	7.26	7.82	7.20	2.54
		9.00	3.24	7.65	8.09	7.35	2.52
		10.00	3.38	7.90	8.20	7.36	2.51

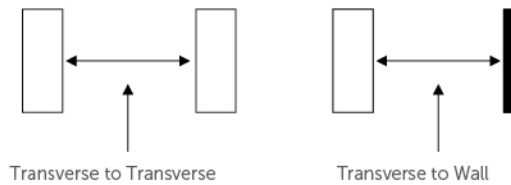
The spacing table is based on the following parameters:

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

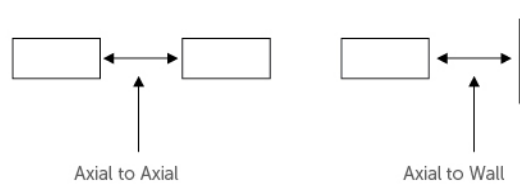
- Minimum illuminance on half of escape route width: 0.50 lx
- Diversity on the center line max. 40 : 1
- Width of escape route: 2.00 m

# APPLICATIONS

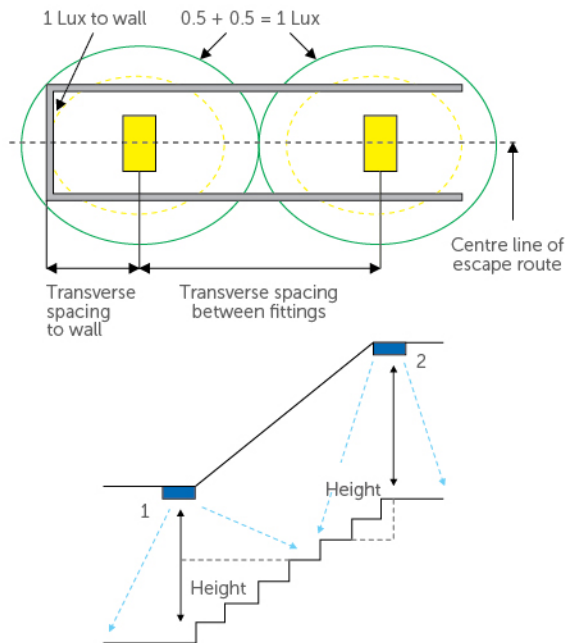
## Transverse Mounting Positions



## Axial Mounting Positions



## Escape Routes

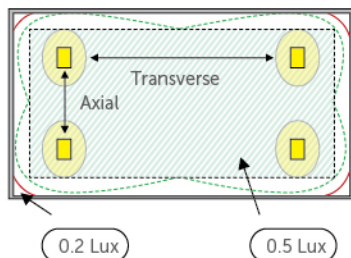


When designing the lighting for an emergency escape route it is advised that achieving even distribution of illuminance throughout the escape route with 1 lux as a minimum level on the centre of line.

When placing luminaires near stairs or any other change of level, the luminaires must be located so each tread receives direct light. Generally at least two luminaires will be needed to provide the 1 lux minimum level on the centre of each tread.

The diagram left shown the spacing from luminaire 1 to luminaire 2 is reduced as their mounting height is being reduced as the point's illuminated rise up the stairs.

## Open Areas

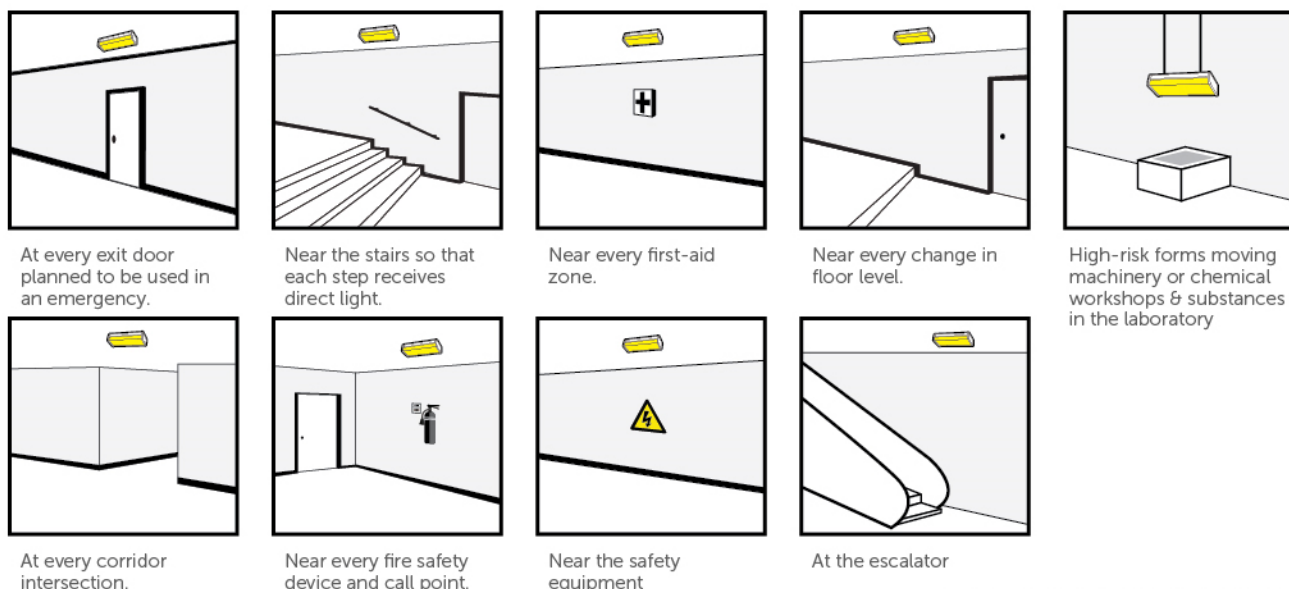


The diagram shows the area that needs to be covered for open area lighting. The main area is illuminated to a level of 0.5 lux. This excludes the area 0.5m away from the walls indicated by the dotted line.

# POINT OF EMPHASIS

Point of Emphasis is known for locating luminaires correctly to reveal specific hazards and highlight safety equipment and signs. Whether it is for an emergency escape route , open area (anti-panic) or hazardous area (high-risk task area)

It is necessary to identify and needed to be highlighted to ensure people do not trip or fall during evacuation.







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