

# Essential



## KEY BENEFITS

- Designed for industrial areas.
- Unremovable stainless steel closing clips for enhanced safety.
- Flicker-free for a high quality lighting.
- High impact protection and easy mounting.
- Installation:  
Indoor, Outdoor under shelter, Ceiling mounting, Wall mounting and Suspended.
- Up to 145m/ W.
- Sturdiness: IP66 + IK08
- LED technology ensuring high-quality lighting and energy reduction.
- Lifetime L80B50 50,000 h at Ta 25°C.
- 1-hour permanent emergency functionality.
- Dali communication protocol
- Through wiring optional.
- 5 years warranty



IP66

IK08

CI

EM 1h

RAL 7035



## DESCRIPTION

Essential is waterproof luminaire designed for industrial environments. It is a dust and humidity-proof luminaire with high impact resistance, which make it ideal as a solution for industrial areas, parkings, workshop, warehouse, factory and corridor. The diffuser can be opened, closed by metal inox clips and with a cord to prevent it from falling.

Compatible with through wiring and Dali communication protocol. Also with emergency kit in case of need.

## STANDARD COMPLIANCE

- EN-60598-1
- EN 60598-2-24
- EN-62031
- EN-61000-3-2
- EN-61547
- EN-60598-2-1
- EN-62262
- EN-55015
- EN-61000-3-3

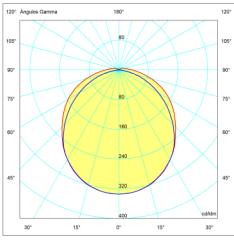
4000K  
CRI>80N: 2.000lm  
S: 4.000lm  
M: 6.000lm

-25°C to +40°C

N: 1.5 kg  
S: 2.3 kg  
M: 2.7 kg145lm/W  
Luminaire220 - 240V  
50-60Hz  
L80B50 Ta 25°C

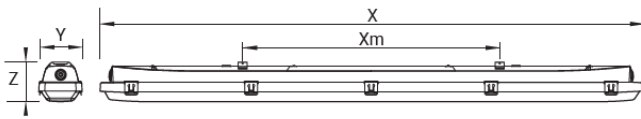
## PHOTOMETRIC DISTRIBUTIONS

120° symmetrical photometric distribution, perfect adaptation for industrial spaces.



IS12

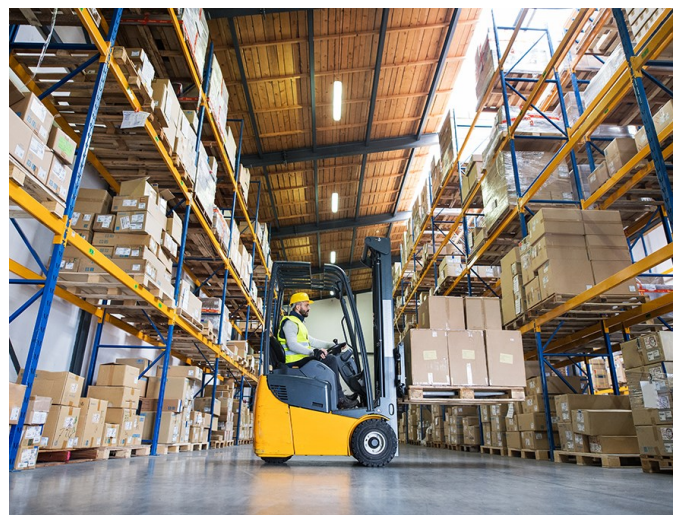
## DIMENSIONS



SIZE	X (mm)	Xm (mm)	Y (mm)	Z (mm)
N	703	172-436	101	84
S	1265	396-1000		
M	1565	695-1300		

## APPLICATIONS

Industrial areas, parking, workshop, warehouse, factory and corridor.



## ESSENTIAL CHARACTERISTICS

### GENERAL CHARACTERISTICS

Housing	Injected polycarbonate with UV protection, grey RAL 7035
Diffuser	Injected polycarbonate with UV protection and frosted finish 20% opal
Closing clips	Stainless steel 316L unremovable
Fixing clips	Stainless Steel 316L
Suspension triangles	Stainless Steel 316L
Watertightness	IP66 (EN 60598-1 to EN 60598-2-3)
Impact protection grade	IK08 (EN 62262)
Operating temperature	-25°C to + 40°C
Lifetime	L80B50 50,000h at Ta 25°C.
Fire protection	Flammability (UL94): V2 Glow wire test (EN 60695-2-11): 850°

### ELECTRICAL CHARACTERISTICS

Electrical class	Class I
Voltage / Frequency	220-240 V / 50 - 60 Hz
Power factor	> 0.95 full load
THD	< 10% full load
Flicker factor	< 1%
Connection	3/5 pole push wire terminal block
Through wiring	3x1,5mm <sup>2</sup> / 5x1,5mm <sup>2</sup> wiring

### MAINTENANCE AND ASSEMBLY

Installation	Indoor and outdoor under shelter. Ceiling mounting Wall mounting Suspended
Weight	1,5 - 2,7 Kg

### LIGHTING CHARACTERISTICS

Lumen output	N: 2.000lm (14W) S: 4.000lm (27W) M: 6.000lm (40W)
LED colour temperature	4.000K (Neutral White, nw).
Index of reproduction chromatic (CRI)	CRI>80.

### MANAGEMENT AND CONTROL

RD	Dali communication protocol
Emergency	Permanent emergency kit 1h