

# INSEL LB/S LED 120 D120 HFR MS 5000K /E/

INSEL Series surface-mounted luminaires

## Description

INSEL LB/S LED series LED-based industrial luminaires designed for plant floors with 5 m to 12 m ceiling height, sports facilities, and petrol stations. Compact dimensions, high IP rating, high energy efficiency. Versions can be manufactured with light control function and a built-in light sensor.

## Installation

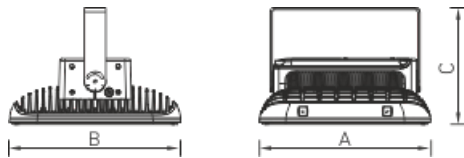
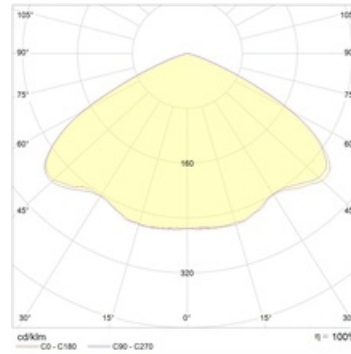
Luminaires are installed from the ceiling surface indoors or under the shelter. Luminaires may be fixed at the wall or console by means of wall mounting bracket INSEL LB/S LED (order code – 2334000010) or pole mounting bracket INSEL LB/S LED (order code – 2334000020).

## Design

Casing of pressure-cast aluminum, covered with white powder paint.

## Optical part

Secondary optics of PMMA with different light distribution angles. Translucent tempered glass. LED type: SMD.



## Dimensional characteristics

A	Length	335 mm
B	Width	335 mm
C	Height	190 mm
D	Length (mounting)	360 mm
E	Width (mounting)	360 mm
	Weight	12.3 kg

## Technical features

1	Article no.	1997024840
2	Light source	LED
3	Luminous flux	12200 lm
4	Power compatibility	120 W
5	Energy efficiency	102 lm/W
6	Color rendering index (CRI)	>80
7	Color temperature	5000 K
8	Power factor (cosFI)	> 0,98
9	Alternating/direct current (AC/DC)	No
10	Dimming	Protocol 1-10 V
11	Rated voltage	230 V
12	Electrical shock protection	I
13	Electromagnetic compatibility (EMC)	Yes
14	Climate application	Clim App1
15	Ambient temperature	-40 to +60 C
16	Housing color	White
17	Fire protection class	I,II,IIa,III
18	Flickering	<2%
19	Ingress protection (IP)	IP66
20	Mechanical shock protection	IK08/6,5 J
21	Energy efficiency class	A+
22	Inrush current	60 A
23	Inrush current impulse time	1000 µs
24	Emergency power supply unit	No
25	Beam angle	D120
26	Warranty	60 months
27	Autonomy in emergency mode	-
28	Light flux in emergency mode	-
29	Color of light	Белый