



**FLEX UPPER 1**

## IN-GROUND LUMINAIRES



# FLEX UPPER 1



## Introduction

FLEX UPPER 1 is the beautiful way to add some attractive lighting to your outdoor living space. With impression light outputs, they are perfect for decking and ground lights.

## Features

- Front cover: hard chrome plated stainless steel SUS 316L#.
- Housing: die-casting aluminum.
- Light window: tempered step glass. T=6mm or T=8mm.
- Gasket: silicone rubber molding shaped seal.
- Recessed sleeve material: PC/ABS alloys.
- Optical reflector with multi beam angle option.
- CCT: 2700K/3000K/4000K/5700K/6500K.
- AC120/240V or DC24V input voltage.
- IP classification: IP67 with IP68 cable gland.

## Applications areas

- Stair step indicator, porch wall foot, roads, squares, sidewalks, garden, patio, yard, lawn, pool deck, pathway, driveway, walkway, bridges marker, etc.

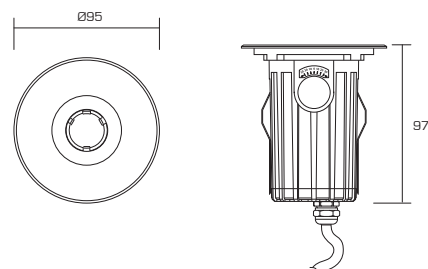
## Mounting type

- Ground recessed, floor recessed.

## Approvals and markings






## Dimension (mm):



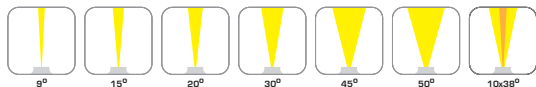
## Feature



## Lens

	<b>B33</b> B33D/B33F	9°	15°	20°	45°
	<b>B27</b>	9°	20°	30°	10x38°
	<b>B17</b>	15°	20°	30°	50°

## Beam angle

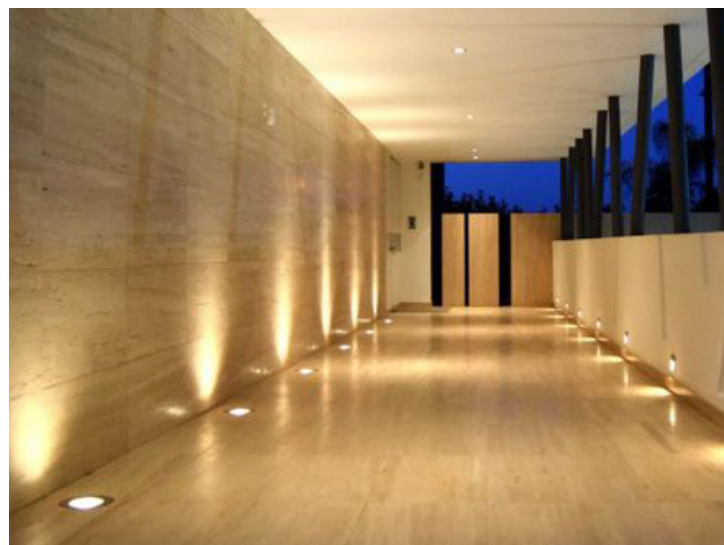


## Color temperature

### Single

- 2700K
- 3000K
- 4000K
- 5700K
- 6500K

## Product color



# FLEX UPPER 1

## Variants



## Specification

Model	MS2CFR0157-1x2W	MS2DFR0158-1x3W	MS2EFR0656-6x1.2W
Led brand	NICHIA COB	NICHIA COB	NICHIA COB
Led quantity	1pc	1pc	6pcs
Rated power	1x2W	1x3W	6x1.2W
Consumption	24V=2.6W, 120V=3.2W, 240V=3.2W	24V=3.1W, 120V=4.3W, 240V=4.1W	24V=7.8W, 120V=9.2W, 240V=9.2W
Luminous flux (±10%)	CW: 147lm, WW: 122lm	300lm	CW: 700lm, WW: 570lm
Input voltage	AC120-240V/DC24V	AC120-240V/DC24V	AC120-240V/DC24V
Frequency range	50/60Hz	50/60Hz	50/60Hz
Color temperature	Single	Single	Single
Color temperature	2700K / 3000K / 4000K / 5700K / 6500K		
Beam angle	9°/15°/20°/45°	9°/20°/30°/10x38°	15°/20°/30°/50°
Lens	B33D	B27	B17
Control method	On/Off	On/Off	On/Off
Protection grade	IP67	IP67	IP67
Ambient temperature	-20°C~40°C	-20°C~40°C	-20°C~40°C
Ambient humidity	10%~90%	10%~90%	10%~90%
Product life	35000H	35000H	35000H

## Typical order example

<b>MS2CFR0157</b>	<b>1x2W</b>	<b>C57</b>	<b>B15</b>	<b>V24</b>	<b>ONF</b>	<b>SS</b>
Model MS2CFR0157 MS2DFR0158 MS2EFR0656	Wattage 1x2W 1x3W 6x1.2W	Color temperature C27=2700K C30=3000K C40=4000K C57=5700K C65=6500K	Beam angle B09=9° B15=15° B20=20° B30=30° B45=45° B50=50° B10x38=10x38°	Input power V24=DC24V V220=AC120-240V	Control method ONF=On/Off	Finish color SS=Stainless steel SUS 316L#

We reserve the right to make technical and design changes.

Date: 12-03-2021

THIEN MINH MECHANICAL - ELECTRIC JSC

Head office: MESTAR Building, No. 98/11 Ung Van Khiem Street, Ward 25, Binh Thanh District, Ho Chi Minh City, Vietnam.

Tel: (84) 28.3899 4790 - Email: mestar@mestar.vn - Web: www.mestar.vn

Ha Noi Office: TT4.18, Xuan Phuong Tasco Urban Area, Xuan Phuong Ward, Nam Tu Liem District, Hanoi City, Vietnam.

Tel: (84) 24.3222 2411

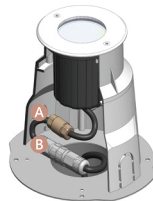
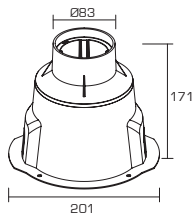


# FLEX UPPER 1

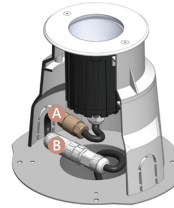
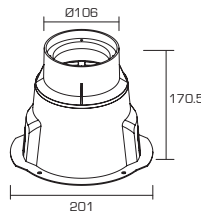
## Sleeve (Included)



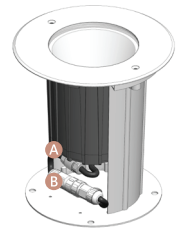
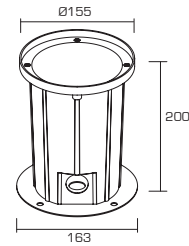
Recessed Sleeve B08



Recessed Sleeve B09



Recessed Sleeve 066#



## Waterproof solution



### A Water-Stopper (Included)

The luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire. That's why the device is required to block the entry of water vapor.

### B IP67 Jiffy quick plug/ socket connector (Option)

To prevent water vapor into luminaire via wire which had been cut, the air contains lots of steams when raining, spray or in humid environment, the luminaire will generate high temperature when used, which will generate negative pressure when the power is turned off also brings water vapor into the luminaire.

## Accessories



Louver Mh040

MS2CFR0157



Louver Mh001

MS2DFR0158



Louver Mh002

MS2EFR0656

MS2CFR0157-1x2W

MS2DFR0158-1x3W

MS2EFR0656-6x1.2W

• Optional Accessory Honeycomb Louver • The measured luminous flux data does not contain the honeycomb, and the data containing is reduced 20 to 30%.

## Connection Accessories



Connector 3 pin - IP68

MA-M684-03



T Connector 3 pin - IP68

MA-M685T-03



Y Connector - IP68

MA-M685Y-03



Junction box 3 holes - IP68

MA-M686-03

We reserve the right to make technical and design changes.

Date: 12-03-2021

THIEN MINH MECHANICAL - ELECTRIC JSC

Head office: MESTAR Building, No. 98/11 Ung Van Khiem Street, Ward 25, Binh Thanh District, Ho Chi Minh City, Vietnam.

Tel: (84) 28.3899 4790 - Email: mestar@mestar.vn - Web: www.mestar.vn

Ha Noi Office: TT4.18, Xuan Phuong Tasco Urban Area, Xuan Phuong Ward, Nam Tu Liem District, Hanoi City, Vietnam.

Tel: (84) 24.3222 2411

