

# LED FLOOD LIGHT NCD-400C

External Driver



- High wattage but compact size
- External driver for safe & easy repair
- Usable at indoor and outdoor with various mounting options
- Compact and versatile design with 360° installation angle
- IP66 (driver & lamp) for outdoor use
- Excellent heat dissipation by ICEPIPE FDP technology
- Eco-friendly & RoHS compliant (UV/Lead/Mercury-free)



## SPECIFICATION

### ELECTRICAL

Wattage	400 W
Input Voltage	AC 220 V
Frequency	50/60 Hz
Power Factor (PF)	> 0.95
THD	< 15%
Protection Circuit	L-L : 4kV, L-F.G : 2kV

### CONSTRUCTION

Size	ø 388 x 248 mm
Weight	7.5 kg(400) / 8 kg(400C) *SMPS incl.(1.2 kg)
Material	PC, Aluminum, Steel
Heatsink	Copper ICEPIPE Heatsink
IP Rating	IP66
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Installation Angle	360°

### OPTICS

Lumen output	60,000 lm
Efficacy	150 lm/W
Replacement	MH 1 kW
CCT	5,700 K
LED Package Life time	50,000 hours (25°C) *LED package life time according to industry standard (LM80). *High operating temperature may shorten life span of LED package and LED lamp.
CRI	> 75 Ra
Beam Angle	<div>20°</div> <div>30°</div> <div>45°</div> <div>60°</div>

## COVER OPTION : Sun visor

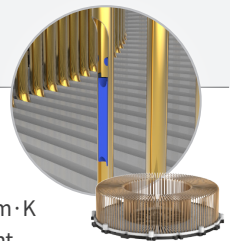


## TECHNOLOGY

### 1. FDP Technology

Patent technology of ICEPIPE-Improved heat dissipation by fast heat transfer using FDP

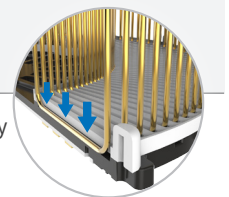
- The fastest heat transfer rate by excellent air flow
- Sufficient heat dissipation area
- ICEPIPE's thermal conductivity = 40,000 W/m · K
- Less raw materials used reducing the weight and production cost



### 2. Clamping Technology

Unique heat dissipation technology using directional and elastic clamps

- Mechanical coupling to use oscillating capillary tube heatsink as heat dissipation material
- Mechanical bonding of heating part and heatsink made excellent durability
- Pressurized assembly by using elastic deformation of clamp
- Improved heat dissipation performance and reduced material cost compared to conventional adhesive (epoxy, etc.) bonding methods



## APPLICATION



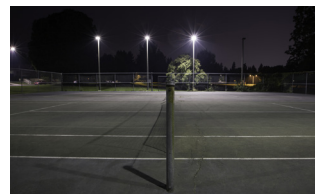
Indoor Sports Facilities



Building Exterior

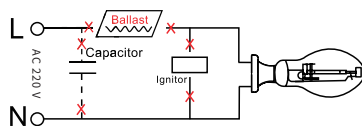


Outdoor Parking Lot



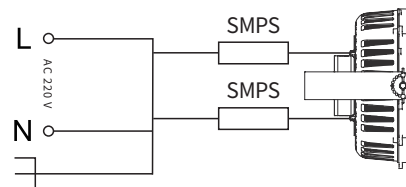
Outdoor Sports Facilities

## INSTALLATION



### Step 1.

Turn off the power before installation.  
Remove the old ballast, capacitor and ignitor  
(if existing)



### Step 2.

Connect the wire from the supply to the fixture and  
make sure the ground from the supply is connected  
to the ground from the fixture.

## PACKING

Dimension
(Unit : mm)
• Size : $\varnothing 388 \times 248$ mm
• Weight : 7.5 kg(400) / 8 kg(400C) *SMPS incl.(1.2 kg)

① Single Unit Box
(Unit : mm)

② Pallet
(Unit : mm)

Type	① Single Unit Box	② Pallet	20ft Container-Palletized	Remarks
Quantity	1	20	200 (10 Pallets)	[1Pallets] 2R x 2R X 5L = 20pcs
Dimension(mm)	440 x 440 x 210	1,100 x 1,100 x 1,200	5,500 x 2,200 x 1,200	
GWT(kg)	9.3	201.5	2,015	
CBM	0.04	1.452	14.52	

## ⚠ WARNINGS

- Do not use with direct current and ballast.
- This lamp is non-dimmable, do not connect with dimmer.
- Do not install the lamp in an enclosed place.
- Do not install on any other shade that is not provided by ICEPIPE.
- Please follow the recommended daily operating hours.
- Please read the instruction manual carefully before installation.



\* Please refer to our full warranty terms and contact your sales representative for details.

