

# HID

12/21/24W

# DIPPER II

Evolution II

TORCH SERIES FOR  
SEARCH, RESCUE, POLICE, MILITARY USES



**A**luminum body

**W**eatherproof switch

**E**quipped with rechargeable li-ion battery

**L**ED power indicator with 3-level warning

**B**attery itself is the grip

**3** light filters for different lighting purposes

**24W** HID bulb reaches 1750 Lm, equal to a  
**75W** halogen bulb

Dipper II's battery (grip)  
can switch to 12W Dipper II  
Junior's light head.

Battery level visible by itself with a  
3-color LED indicator

No need to connect to light  
head, you can switch on the  
power to check the color of LED  
light for the remaining power.



Weatherproof  
Switch

Full → Flat



Dipper II's  
battery (grip)

12W Dipper II Junior's  
light head



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## DIPPER II PARTS IN A REGULAR KIT



- A** Dipper II Main Body (with battery)
- B** Dipper II Junior Main Body (with battery)
- C** Strap
- D** Rubber Ring
- E** Desktop Charging Stand
- F** Belt Bag
- G** Storage Bag
- H** Wall Adaptor (international)
- I** Battery Charger
- J** Filters
- K** Car Cigarette Adaptor

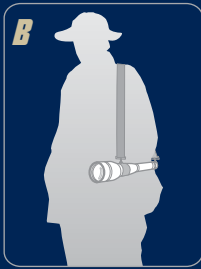
## DIPPER II JUNIOR PARTS IN A REGULAR KIT



## CARRYING MODES (DIPPER III)



Hand carry.



Carry with shoulder strap horizontally.



Carry with shoulder strap vertically.



Carrying with shoulder strap, you can add a fall arrest lanyard. (Lanyard is not in the standard kit.)

## ORDER CODE

12W(2.2A)	F20112631
12W(2.6A)	F20112632
21W(4.4A)	F20121061
24W(5.2A)	F20124063

## OPTIONS

- 1**  Carrying Case  
NO.2B3008000 (For Dipper II Only)
- 2**  12W HID Light Head  
NO.3B3003000 (switch to Dipper II's battery)
- 3**  4.4 A Spare Battery (with battery belt bag)  
NO.3B3000000

 5.2 A Spare Battery (with battery belt bag)  
NO.3B3000010
- 4**  2.2 A Spare Battery (with battery belt bag)  
NO.3B3000020

 2.6 A Spare Battery (with battery belt bag)  
NO.3B3000030

## SPECIFICATIONS & FEATURES

Model	Dipper II	Dipper II Junior
Size :	Ø7.2cm*L 33.5cm	Ø4.4cm*L 20.3cm
Weight :	Light head: 700g; With Battery: 1150g	Light head: 260g; With Battery: 580g
Body Material :	Aluminum	Aluminum
Bulb Type :	21W/24W HID	12W HID
Bulb Life :	24W - 1400 hrs 21W - 1200 hrs	500 hrs
Light Output :	24W - 1750 Lm ; 21W - 1300 Lm	550 Lm
Illuminating Distance :	1000m	150m
Color Temperature :	7000K	7200K
Run Time :	24W with 5200 mA Battery-135 mins 21W with 4400 mA Battery-135 mins	with 2600 mA Battery-125 mins with 2200 mA Battery-110 mins
Battery :	Quality Rechargeable Li-ion Battery with over 500 Charging Cycles	Quality Rechargeable Li-ion Battery with over 500 Charging Cycles
Weatherproof :	YES	YES

## COMPARISON

	Brightstar: 24W Dipper II	Other competitor: 24W PL
Grip	<b>Good</b> Ø4.3cm meet ergonomic requirement	Ø5.6cm
Robust Body	<b>Good</b> YES whole aluminum alloy materials	<b>NO</b> bottom made by plastic, easy to crash
Weatherproof	<b>Good</b> GOOD	<b>BAD</b> the plastic part is not tight enough, easy to be flooded.
LED Power Indicator	<b>Good</b> YES 	NON
Strap Hole for Multi Purpose	<b>Good</b> YES	NON
Replacing Battery	<b>Good</b> 1 step	4 steps
Run Time	<b>Good</b> 135 mins	110 mins
Light Output	<b>Good</b> 1750 Lm ±	1300 Lm ±
Extension	<b>Good</b> YES Battery (grip) can switch to 12W light head	NON



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