

innovative **lighting** solutions



Flying Dragon
Development Limited

www.fly-dragon.com

COMPANY PROFILE

TOP QUALITY FACILITIES



Plastic injection moulding machines.

LARGE CAPACITY



Over 400 skilled workers.

IN-HOUSE TESTING LAB



Light output test.

EXCELLENT STAFF



Team outside of the Dongguan Factory.

With over 40 years of production experience in both metal and plastic goods with electronic components, Flying Dragon Development Limited (Former name Flying Dragon Metal Product Company established in 1971) has expanded into one of the leading portable lighting suppliers in Greater China.

Our focus at Flying Dragon is to produce the highest quality products at the best possible value. We achieve this through innovative design and engineering solutions, a keen eye for appropriate technological advancements, and rigorous testing and quality control processes.

Our well-equipped manufacturing plant, in Dongguan, has over 400 skilled workers and a highly experienced management team. With a total manufacturing area of 120,000 square feet and a monthly production capacity of over 300,000 units for our premium products, we can meet our clients needs.

We will continue to fulfill our promise to deliver the highest quality products at competitive prices to our clients.

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PLEASE NOTE:

Product Specifications are subject to change due to technological advancement. Please contact our sales representatives for up-to-date product data.

LANTERNS

A person is sitting in a grassy field at sunset, viewed through the opening of a tent. The tent's interior is visible on the left, and the person is silhouetted against the bright sun. The background shows rolling hills and mountains under a clear sky. The overall mood is peaceful and adventurous.

SOMETHING FOR EVERYONE

With well over 500 different products, Flying Dragon has a lantern for every occasion. Highlighted here are just a select few top sellers, but there are many more to choose from. To view our entire collection, turn to page 57 where you can compare our full product range.

4 Removable Units



Each light is removable, allowing users to use the lights together or separately.

Hanging Handle



4 x LG 0.3W LEDs

- Up 59 lm when combined



Operation Button 1

- Operates all LEDs that are attached to the base

Operation Button 2

- Operates individual LEDs

FD-3005



Function

Single: ON • OFF
Whole: ON • OFF



Bulb Type

Single: 1 x LG 0.3W LED
Whole: 4 x LG 0.3W LEDs



Battery Type

Single: 1 x LIR2450
Whole: 4x AA



Size (mm)

90(L) x 90(W) x 120(H)



Weight (g)

265



Beam Distance (m)

Single: 4
Whole: 8



0m Illumination (Lux)

Single: 30,000
Whole: 450



Lumens (lm)

Single: 17
Whole: 59



Runtime (Hours) *

Single: 2.5 Hrs
Whole: 20 Hrs



Current (mA)

Single: 75



Water Resistance

N/A



Remote

N/A

* Testing Battery: 1x LIR2450 4xAA KC Alkaline

Alt Hanging Option



Users can remove the lantern top and attach it to the base to provide more global lighting when hanging.

1 x LG 0.3W LED

- Up to 12.3 lm on High setting

Operation Button

- With High/Low/OFF settings

Hanging Hook

- Removable top
- Attachable to base



FD-227E0.3W



Function

High • Low • OFF



Bulb Type

1 x LG 0.3W LED



Battery Type

3 x AA



Size (mm)

Ø101 x 134(H)



Weight (g)

153



Beam Distance (m)

4



Illumination (Lux)

High: 1300 • Low: 400



Lumens (lm):

High: 12.3 • Low: 4



Runtime (Hours): *

High: 71 Hrs • Low: 118 Hrs



Current (mA)

High: 65-85 • Low: 20-30



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3xAA KC Alkaline



Operation Switch

- With High/Low/OFF settings

12 x 5mm Nichia 500GS LEDs

- Up to 35.3 lm on highest setting

FD-220DE12



Function

Dimmer • OFF



Bulb Type

12 x 5mm Nichia 500GS LEDs



Battery Type

4 x AA



Size (mm)

Ø113 x 132(H)



Weight (g)

220



Beam Distance (m)

8.9



0m Illumination (Lux)

5100



Lumens (lm)

35.3



Runtime (Hours) *

16 Hrs



Current (mA)

200-220



Water Resistance

IPX4. Floating and protected against splashing for 10mins



Remote

N/A

* Testing Battery: 4xAA KC Alkaline

To compare alternative specifications for the FD-220 series, turn to page 53.

Hanging Hook



Concealed within the handle is a hanging hook.

1 x LG 0.3W LED

- Up to 24.5 lm

Operation Switch

- With ON/OFF settings



FD-220VE1W



Function
ON • OFF



Bulb Type
1 x Cree XP-E 1W



Battery Type
4 x AA



Size (mm)
Ø113 x 132(H)



Weight (g)
214



Beam Distance (m)
4.2



0m Illumination (Lux)
3400



Lumens (lm)
24.5



Runtime (Hours) *
46 Hrs



Current (mA)
80-90



Water Resistance
IPX4. Floating and protected against splashing for 10 mins



Remote
N/A

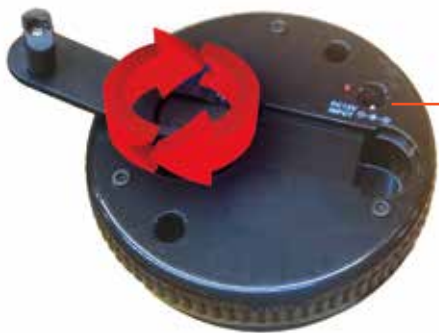
* Testing Battery: 4xAA KC Alkaline

Hanging Hook



Concealed within the handle is a hanging hook.

Charging Dynamo



Within the base of the lantern a small crank hinges out. Users charge the lantern by rotating the crank for a short period.

1 x LG 0.3W LED

- Up to 18.2 lm on High setting



DC 12V Input

- Fully charged in 2Hrs

Operation Switch

- With High/Low/OFF settings

FD-220CVE5



Function

High • Low • OFF



Bulb Type

5 x 5mm Nichia 500GS LEDs



Battery Type

3.6V 230mAh Ni-MH



Size (mm)

Ø96 x 134.5(H)



Weight (g)

294



Beam Distance (m)

6.2



Illumination (Lux)

High: 2500 • Low: 950



Lumens (lm) after Dynamo for:

1min - High: 16.5 • Low: 12.2

3min - High: 18.2 • Low: 14.7



Runtime (Mins) after Dynamo for: *

1min - High: 3.5 • Low: 12.5

3min - High: 7.5 • Low: 25.5

Runtime (Hours) after DC: **

High: 39 Hrs • Low: 84 Hrs



Current (mA):

DC 3.6V - High: 40-50 •

Low: 10-20



Water Resistance

N/A

* Testing Battery: 3.6V 230mAh Ni-MH

** DC 5V 2Hrs Fully Charge

Hanging Hook



Concealed within the handle is a hanging hook.

Remote Control



Many of our lanterns have a remote control version. To view more remote controlled lanterns please turn to page 53.



Operation Switch

- With ON/OFF settings

1 x LG 0.3W LED

- Up to 8.7 lm

FD-226DVEi0.3W



Function

On • OFF • Remote
(Remote: Dimmer • Flash • OFF)



Bulb Type

1 x LG 0.3W LED



Battery Type

3 x AA



Size (mm)

Ø127 x 155(H)



Weight (g)

363



Beam Distance (m)

5.4



0m Illumination (Lux)

1000



Lumens (lm)

8.7



Runtime (Hours) *

82 Hrs



Current (mA)

60-80



Water Resistance

N/A



Remote

Remote Control **
Distance > 8m

* Testing Battery: 3xAA KC Alkaline

** Remote uses 2xAAA Batteries

Hanging Hook



Concealed within the handle is a hanging hook.

1 x LG 0.3W LED

- Up to 12.1 lm on High Settings

Operation Button

- With High/Low/Off settings



FD-232E0.3W



Function

High • Low • OFF



Bulb Type

1 x LG 0.3W LED



Battery Type

3 x AA



Size (mm)

Ø110 x 132(H)



Weight (g)

154



Beam Distance (m)

4.19



0m Illumination (Lux)

High: 1400 • Low: 470



Lumens (lm)

High: 12.1 • Low: 4.3



Runtime (Hours) *

High: 68 Hrs • Low: 143 Hrs



Current (mA)

High: 70-80 • Low: 20-30



Water Resistance

IPX4. Protected against splashing water for 10mins



Remote

N/A

* Testing Battery: 3xAA KC Alkaline

Alt Hanging Opt



Users may remove the lens and attach it to the base of the lantern for increased area lighting when hanging.

1 x Cree XP-E 1W LED

- Up to 48.6 lm on High setting

Operation Switch

- With High/Low/OFF settings



FD-381AVE1W



Function

High • Low • OFF



Bulb Type

1 x Cree XP-E 1W LED



Battery Type

3 x D



Size (mm)

106(W) x 223(H)



Weight (g)

322



Beam Distance (m)

12.2



Om Illumination (Lux)

High: 3800 • Low: 2800



Lumens (lm)

High: 48.6 • Low: 8.3



Runtime (Hours) *

High: 76 Hrs • Low: 260 Hrs



Current (mA)

High: 290-320 • Low: 40-50



Water Resistance

IPX4. Protected against splashing water for 10mins



Remote

N/A

* Testing Battery: 3xD KC Alkaline

Hanging Clip

1 x Cree XP-E 1W LED

- Up to 27 lm on High setting

Operation Button

- With High/Low/OFF settings



FD-3002NVE1W



Function

High • Low • OFF



Bulb Type

1 x Cree XP-E 1W LED



Battery Type

3 x AA



Size (mm)

Ø76 x 200(H)



Weight (g)

125



Beam Distance (m)

5.6



0m Illumination (Lux)

High: 5900 • Low: 1700



Lumens (lm)

High: 27 • Low: 7.5



Runtime (Hours) *

High: 36 Hrs • Low: 140 Hrs



Current (mA)

High: 150-230 • Low: 30-40



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3xAA KC Alkaline

To compare alternative specifications for the FD-3002 series, turn to page 63.



Hanging Handle



30 x 5mm Nichia LEDs

• Up to 136 lm

Dimmer Switch



FD-390DE30



Function

Dimmer • OFF



Bulb Type

30 x 5mm Nichia 500GS LEDs



Battery Type

6xD



Size (mm)

Ø218 x 335(H)



Weight (g)

875



Beam Distance (m)

16



0m Illumination (Lux)

6800



Lumens (lm)

136



Runtime (Hours) *

158 Hrs



Current (mA)

230-250



Water Resistance

N/A



Remote

N/A

* Testing Battery: 6xD KC Alkaline

Hanging Hook



Concealed within the handle is a hanging hook.

Compressed



Lantern compresses down when not in use.

Turn on by Pulling Handle
• Turns off when compressed

1 x Cree XP-E 1W LED
• Up to 44.4 lm



FD-308DE1W



Function
ON • OFF



Bulb Type
1 x Cree XP-E 1W LED



Battery Type
3 x D



Size (mm)
Ø127 x 130(H)
When Extended 222(H)



Weight (g)
385



Beam Distance (m)
12.1



0m Illumination (Lux)
3800



Lumens (lm)
48.4



Runtime (Hours) *
78 Hrs



Current (mA)
290-310



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 3xD KC Alkaline

Car Plug Cord



Car plug cable stored within the lanterns base.

Operation Switch

30 x 5mm Nichia 500GS LEDs

- Up to 135 lm

DC Port

- Car plug cord stored in base



FD-404ER30



Function
ON • OFF



Bulb Type
30 x 5mm Nichia 500GS LEDs



Battery Type
6V 3.2Ah Sealed Lead-Acid



Size (mm)
Ø165 x 268(H)



Weight (g)
1195 (Car plug cord included)



Beam Distance (m)
16.5



0m Illumination (Lux)
6700



Lumens (lm)
135



Runtime (Hours) *
11.5 Hrs



Current (mA)
450-480



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 6V 3.2Ah Sealed Lead-Acid

To compare alternative specifications for the FD-404 series, turn to page 84.



Operation Switch



1 x Cree XP-E 1W LED

• Up to 66.5 lm

FD-408VE1W



Function
ON • OFF



Bulb Type
1 x Cree XP-E 1W LED



Battery Type
4 x D



Size (mm)
Ø127 x 252(H)



Weight (g)
565



Beam Distance (m)
8.1



0m Illumination (Lux)
3010



Lumens (lm)
66.5



Runtime (Hours) *
174 Hrs



Current (mA)
290-320



Water Resistance
IPX4. Protect against
splashing water for 10mins



Remote
N/A

* Testing Battery: 4xD KC Alkaline

Charging Dynamo



Users can charge the lantern via the DC outlet or by briefly turning a small crank that hinges out from the top of the lantern.

Dynamo Crank

- Crank hinges out from body
- Rotate crank for additional charge



1 x Cree XP-E 1W LED

Operation Button

- With High/Low/OFF settings

DC Input Terminal

- DC 5V 10Hrs to Fully Charge

Phone Output

- Users can charge their phone

To compare alternative specifications for the FD-553 series, turn to page 97.

FD-553VE1W



Function

High • Low • OFF



Bulb Type

1 x Cree XP-E 1W LED



Battery Type

3.6V 500mAh Ni-MH



Size (mm)

114(L) x 105(W) x 205(H)



Weight (g)

418



Beam Distance (m)

9.4



Illumination (Lux)

High: 12000 • Low: 10500



Lumens (lm) after Dynamo for:

1 min - High: 11.2 • Low: 8

3 min - High: 18.2 • Low: 14.2



Runtime (Mins) after Dynamo for: *

1 min - High: 1.5 • Low: 3.5

3 min - High: 2.5 • Low: 9.5

Runtime (Hours) after DC: **

High: 3 Hrs • Low: 5 Hrs



Current (mA)

DC 3.5V - High: 510-530 •

Low: 100-110



Water Resistance

N/A

* Testing Battery: 3.6V 500mAh Ni-MH

** DC 5V 10Hrs Fully Charge

Hanging Hook



This innovative lantern hinges open to allow all of its LEDs to face one direction. Within the FD-3004 is a hook for hanging.

Operation Switch

- With High/Low/OFF Functions



14 x LG 0.5 LEDs

- 7 LEDs on each side
- Up to 168.6 lm on High setting

FD-3004



Function

High • Low • OFF



Bulb Type

14 x LG 0.5W LEDs



Battery Type

4 x AA



Size (mm)

130(L) x 48(W) x 224(H)



Weight (g)

363



Beam Distance (m)

19.4



0m Illumination (Lux)

High: 29000 • Low: 4300



Lumens (lm)

High: 168.6 • Low: 45



Runtime (Hours) *

High: 2 Hrs • Low: 16 Hrs



Current (mA)

High: 750-900 • Low: 140-160



Water Resistance

N/A



Remote

N/A

* Testing Battery: 4xAA KC Alkaline

Operation Switch

- With High/Low/OFF Functions

5 x LG 0.5W LEDs

- Up to 58.1 lm on High



DC 5V Input and Output

- Mini USB port for charging devices
- Interchangeable connectors for devices
- DC input powers the FD-3003A without batteries

FD-3003A



Function

High • Low • OFF



Bulb Type

5 x LG 0.5W LEDs



Battery Type

2 x D



Size (mm)

112(L) x 60(W) x 182(H)



Weight (g)

142



Beam Distance (m)

13



0m Illumination (Lux)

High: 24000 • Low: 5400



Lumens (lm)

High: 58.1 • Low: 4.2



Runtime (Hours) *

High: 6 Hrs • Low: 9 Hrs



Current (mA)

High: 1.39A-1.1A •
Low: 250-280



Water Resistance

N/A



Remote

N/A

* Testing Battery: 2xD KC Alkaline

To compare alternative specifications for the FD-3003 series, turn to page 63.

HEADLIGHTS

A person in silhouette is rappelling down a rugged, layered rock face. The person is wearing a helmet and a harness, and a bright headlight is visible on their forehead, casting a beam of light. The background is a dramatic sky at sunset or sunrise, with warm orange and yellow light filtering through the clouds. The rock face is composed of large, horizontal layers of stone.

FROM NOVICES TO EXPERTS

Whether its simply to read a map on the side of the road or to light the way whilst caving, we have headlights to meet our customers needs. To see our full range of headlights please turn to page 98.

Operation Button

- With Low/High/Medium/OFF Functions



- 1 x 3.3v 0.3A Krypton Bulb
- 3 x 5mm Nichia 500GS LEDs
- Up to 14.6 lm on High setting


Function

Low (1 LED) • High (3 LEDs) • Medium (1 Bulb) • OFF


Bulb Type

3 x 5mm Nichia 500GS LEDs • 1 x 3.3V 0.3A Krypton Bulb


Battery Type

3 x AAA


Size (mm)

72.5(L) x 44(W) x 61(H)


Weight (g)

88


Beam Distance (m)

5.3


0m Illumination (Lux)

Low: 24000 • High: 54000 • Medium: 12000


Lumens (lm)

Low: 5.1 • High: 14.6 • Medium: 0.3


Runtime (Hours) *

Low: 28 Hrs • High: 22 Hrs • Medium: 2.5 Hrs


Current (mA)

Low: 30-40 • High: 80-90 • Medium: 280-300


Water Resistance

IPX4. Floating and protected against splashing for 10mins


Remote

N/A

* Testing Battery: 3xAAA KC Alkaline

To compare alternative specifications for the FD-683 series, turn to page 99.

FD-601N



Operation Button

- With Low/High/Red LED/Red LED Flash Functions

2 x Red Nichia 500GS LEDs

3 x 5mm White Nichia 500GS LEDs

- Up to 25 lm on High setting



Function

Low • High • Red LED ON • Red LED Flash • OFF



Bulb Type

3 x 5mm White Nichia 500GS LEDs • 2 x Red LEDs



Battery Type

3 x AAA



Size (mm)

55(L) x 43(W) x 40(H)



Weight (g)

41



Beam Distance (m)

24.1



0m Illumination (Lux)

Low: 21000 • High: 47000



Lumens (lm)

Low: 10.7 • High: 25



Runtime (Hours) *

Low: 92 • High: 35



Current (mA)

White Low: 25-30 • White High: 75-85 • Red: 40-45



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3xAAA KC Alkaline

Separate White and Red LED Operation Switches

- With white LED Low/Medium/High Functions
- Red LED ON/Flashing Functions



2 x Red Nichia 500GS LEDs

3 x 5mm White Nichia 500GS LEDs

1 x LG 0.5W LED

- With up to 31.2 lm on High setting



Function (Switch 1)

Low (2 LEDs) • Medium (0.5W LED) • High (2 LEDs + 0.5W LED) • OFF

Function (Switch 2)

Red ON (2 Red LEDs) • Red Flashing (2 Red LEDs) • OFF



Bulb Type

2 x 5mm Nichia 500GS LEDs • 1 x LG 0.5W LED • 2 x Red LED



Battery Type

3 x AAA



Size (mm)

60(L) x 40(W) x 38(H)



Weight (g)

49



Beam Distance (m)

32.6



Illumination (Lux)

Low: 1800 • Medium: 6500 • High: 7500



Lumens (lm)

Low: 8.6 • Medium: 23.7 • High: 31.2



Runtime (Hours) *

Low: 45 Hrs • Medium: 18 Hrs • High: 15 Hrs



Current (mA)

Low: 35-45 • Medium: 120-130 • High: 160-170



Water Resistance

IPX4. Protected against splashing water for 10mins

* Testing Battery: 3xAAA KC Alkaline

To compare alternative specifications for the FD-685 series, turn to page 99.


Operation Button

- With Low/Medium/High/OFF Functions

Battery Compartment

- Takes 3 x AAA Batteries

3 x 5mm Nichia 500GS LEDs

1 x Cree 1W LED

- Up to 63.9 lm on High setting


Function

Low (1 LED) • Medium (3 LEDs) • High (1W LED) • OFF


Bulb Type

3 x 5mm Nichia 500GS LEDs • 1 x Cree 1W LED


Battery Type

3 x AAA


Size (mm)

60(L) x 52(W) x 42(H)


Weight (g)

50


Beam Distance (m)

71.1


0m Illumination (Lux)

Low: 13000 • Medium: 23000 • High: 186000


Lumens (lm)

Low: 2.5 • Medium: 6.5 • High: 63.9


Runtime (Hours) *

Low: 106 Hrs • Medium: 56 Hrs • High: 7 Hrs


Current (mA)

Low: 25-30 • Medium: 65-75 Hrs • High: 300-320


Water Resistance

IPX4. Protected against splashing water for 10mins


Remote

N/A

* Testing Battery: 3xAAA KC Alkaline



Operation Switch

- With ON/OFF function settings

3 x 5mm Nichia 500GS LEDs

- Up to 34.4 lm

FD-602H



Function

ON • OFF



Bulb Type

3 x 5mm Nichia 500GS LEDs



Battery Type

3 x AAA



Size (mm)

62(L) x 45(W) x 43.5(H)



Weight (g)

52



Beam Distance (m)

20.8



0m Illumination (Lux)

16000



Lumens (lm)

34.4



Runtime (Hours) *

26



Current (mA)

10-20



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3xAAA KC Alkaline



Battery Compartment

- Takes 2 x AA Batteries

Twist to turn ON/OFF

7 x 5mm Nichia 500GS LEDs

- Up to 34.8 lm

FD-186E7



Function

ON • OFF



Bulb Type

7 x 5mm Nichia 500GS LEDs



Battery Type

2 x AA



Size (mm)

67(L) x 73(W) x 52(H)



Weight (g)

101



Beam Distance (m)

32.9



0m Illumination (Lux)

58000



Lumens (lm)

34.8



Runtime (Hours) *

28 Hrs



Current (mA)

220-230



Water Resistance

IPX4. Protected against splashing water for 10mins



Remote

N/A

* Testing Battery: 2xAA KC Alkaline

Operation Button

- With Low/High/Medium/OFF Functions



- 1 x 3.3v 0.3A Krypton Bulb
- 3 x 5mm Nichia 500GS LEDs
- Up to 15 lm on High setting


Function

Low (1 LED) • High (3 LEDs) • Medium (1 Bulb) • OFF


Bulb Type

3 x 5mm Nichia 500GS LEDs • 1 x 3.3V 0.3A Krypton Bulb


Battery Type

3 x AAA


Size (mm)

72.5(L) x 44(W) x 61(H)


Weight (g)

89


Beam Distance (m)

35.5


0m Illumination (Lux)

Low: 25000 • High: 55000 • Medium: 11300


Lumens (lm)

Low: 5.3 • High: 15 • Medium: 13.5


Runtime (Hours) *

Low: 35 Hrs • High: 21 Hrs • Medium: 2 Hrs


Current (mA)

Low: 25-30 • High: 70-85 • Medium: 290-310


Water Resistance

IPX4. Floating and protected against splashing for 10mins


Remote

N/A

* Testing Battery: 3xAAA KC Alkaline

FLASHLIGHTS

INNOVATIVE SOLUTIONS

Our innovative lighting solutions range from multifunctional flashlights that double as lanterns (FD-217E0.5W) to flashlights with in-built dynamos (p34) and radios (p40). Highlighted here are a select few of our best sellers. To see our full product range of flashlights please turn to page 101.



Lantern Function



Users can extend the lens for more global lighting.

Twist to release Lantern Function



Removable Strap

Twist to turn ON/OFF

1 x LG 0.5W LED

- Up to 21.8 lm

FD-217E0.5W



Function
ON • OFF



Bulb Type
1 x LG 0.5W LED



Battery Type
3 x AAA



Size (mm)
Ø39 x 102(H)
When extended 132(H)



Weight (g)
72



Beam Distance (m)
41.6



0m Illumination (Lux)
37800



Lumens (lm)
21.8



Runtime (Hours) *
30 Hrs



Current (mA)
120-130



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 3xAAA KC Alkaline

To compare alternative specifications for the FD-217 series, turn to page 105

FD-1287E6



Function
ON • OFF



Bulb Type
6 x 5mm Nichia 500GS LEDs



Battery Type
3 x AA



Size (mm)
Ø38 x 190(L)



Weight (g)
67



Beam Distance (m)
44



0m Illumination (Lux)
196000



Lumens (lm)
44.4



Runtime (Hours) *
18 Hrs



Current (mA)
190-210



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 3xAA KC Alkaline



FD-1288E6



Function
ON • OFF



Bulb Type
6 x 5mm Nichia 500GS LEDs



Battery Type
3 x AA



Size (mm)
Ø38 x 196(L)



Weight (g)
68



Beam Distance (m)
44



0m Illumination (Lux)
28000



Lumens (lm)
44.5



Runtime (Hours) *
18 Hrs



Current (mA)
190-210



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 3xAA KC Alkaline

To compare alternative specifications for the FD-1288 series, turn to page 103.



Water Proof

- 1PX7. Can be taken up to 10m deep

Removable Strap

Twist to turn ON/OFF

7 x 5mm Nichia 500GS LEDs

- Up to 34.8 lm

FD-1270E7



Function
ON • OFF



Bulb Type
7 x 5mm Nichia 500GS LEDs



Battery Type
3 x AA



Size (mm)
Ø50 x 149(L)



Weight (g)
215



Beam Distance (m)
36



0m Illumination (Lux)
90000



Lumens (lm)
34.8



Runtime (Hours) *
43 Hrs



Current (mA)
180-200



Water Resistance
IPX7. Can be used under 10m of water for 10mins



Remote
N/A

* Testing Battery: 3xAA KC Alkaline



FD-202E5



Function
ON • OFF



Bulb Type
5 x 5mm Nichia 500GS LEDs



Battery Type
3 x AAA



Size (mm)
Ø38x97(L)



Weight (g)
41



Beam Distance (m)
34



0m Illumination (Lux)
140000



Lumens (lm)
38



Runtime (Hours) *
13 Hrs



Current (mA)
160-170



Water Resistance
IPX4. Protect against
splashing water for 10mins



Remote
N/A

* Testing Battery: 3xAAA KC Alkaline

To compare alternative specifications for the FD-202 series, turn to page 104.

A person wearing a blue cap, a purple tank top, light blue shorts, and a red backpack is walking through a dark cave. They are holding a yellow flashlight, which is illuminating the rocky walls and floor. The cave features large, white, stalactite-like rock formations. The lighting is dramatic, with the flashlight beam creating a bright spot on the ground and the surrounding rock.

LIGHTING YOU CAN RELY ON

As dynamo flashlights do not rely on batteries to function, users are assured to have a source of light in any situation. This makes them the perfect solution to keep incase of emergencies, such as power outages or in the back of a car in case of a breakdown. To see our full product range of flashlights turn to page 101.

Charging Dynamo



Users can provide additional charge to the FD-1066 by rotating as dynamo crank that hinges out from its side.



Water Proof

- 1PX7. Can be taken up to 10m deep

Operation Button

- With Low/High/Flash/OFF Functions

Mini USB Charging Port

- With water tight cover

Dynamo Crank On Underside

- Crank hinges out from body
- Rotate crank for additional charge

3 x 5mm Nichia 500GS LEDs and 1 x Cree XP-E 1W LED

FD-1066



Function

Low (3 LED) • High (1W LED) • Flash (1W LED) • OFF



Bulb Type

3 x 5mm Nichia 500GS LEDs • 1 x Cree XP-E 1W LED



Battery Type

3.6V 330mAh Ni-MH



Size (mm)

Ø66 x 156.5(L)



Weight (g)

211



Beam Distance (m)

77



Illumination (Lux) after Dynamo for:

1 min - High: 18800 • Low: 6500
3 min - High: 27000 • Low: 7500



Lumens (lm) after Dynamo for:

3 min - High: 73.2 • Low: 21.5



Runtime (Mins) after Dynamo for: *

1 min - High: 2 • Low: 19 • Flash: 10
3 min - High: 4 • Low: 26 • Flash:



Current (mA):

High: 380-420 • Low: 60-70



Water Resistance

IPX7. Can be used under 10m of water for 10mins



N/A

* Testing Battery: 3.6V 80mAh Ni-MH

Charging Dynamo



Users charge the FD-1065 by rotating the dynamo crank that hinges out from its underside.

Water Proof

- IPX7. Can be taken up to 10m deep

Operation Button

- With Low/High/Flash/OFF Functions



Dynamo Crank On Underside

- Crank hinges out from body
- Rotate crank to charge

3 x 5mm Nichia 500GS LEDs and 1 x LG 0.3W LED

- Producing up to 21.2 lm

FD-1065



Function

Low (3 LEDs) • High (0.3W LED + 3 LEDs) • Flash (All LEDs) • OFF



Bulb Type

3 x 5mm Nichia 500GS LEDs • 1 x LG 0.3W LED



Battery Type

3.6V 80mAh Ni-MH



Size (mm)

Ø49.5 x 143.5(L)



Weight (g)

136



Beam Distance (m)

57.4



Illumination (Lux) after Dynamo for:

1 min - High: 18800 • Low: 9000
3 min - High: 23000 • Low: 10200



Lumens (lm) after Dynamo for:

1 min - High: 12.2 • Low: 6.1
3 min - High: 21.2 • Low: 8.8



Runtime (Mins) after Dynamo for: *

1 min - High: 2 • Low: 6 • Flash: 5
3 min - High: 7 • Low: 14 • Flash: 17



Current (mA):

ON: 70-80 • Flash: 80 (max)



Water Resistance

IPX7. Can be used under 10m of water for 10mins



Remote

N/A

* Testing Battery: 3.6V 330mAh Ni-MH

Charging Dynamo



Users charge the FD-1064 by rotating the dynamo crank that hinges out from its underside.

Water Proof

- 1PX7. Can be taken up to 10m deep



3 x 5mm Nichia 500GS LEDs

- Producing up to 18.3 lm

Dynamo Crank On Underside

- Crank hinges out from body
- Rotate crank to charge

Operation Button

- With ON/Flash/OFF Functions

FD-1064



Function

ON • Flash • OFF



Bulb Type

3 x 5mm Nichia 500GS LEDs



Battery Type

3.6V 80mAh Ni-MH



Size (mm)

61(L) x 144(W) x 42.5(H)



Weight (g)

141



Beam Distance (m)

15.8



Illumination (Lux) after Dynamo for:

1 min - 9000
3 min - 10200



Lumens (lm) after Dynamo for:

1 min - 13.7
3 min - 18.3



Runtime (Mins) after Dynamo for: *

1 min - ON: 7 • Flash: 5
3 min - ON: 12 • Flash: 17



Current (mA):

70-80



Water Resistance

IPX7. Can be used under 10m water for 10mins.



Remote

N/A

* Testing Battery: 3.6V 80mAh Ni-MH

Charging Dynamo



Users charge the FD-559 by rotating a the dynamo crank that hinges out from its underside.

Operation Button

- With High/Low/OFF Functions



Dynamo Crank On Underside

- Crank hinges out from body
- Rotate crank to charge

3 x 5mm Nichia 500GS LEDs

- Producing up to 23.6 lm

FD-559



Function

High • Low • OFF



Bulb Type

3 x 5mm Nichia 500GS LEDs



Battery Type

3.6V 80mAh Ni-MH



Size (mm)

85(L) x 50(W) x 37.5(H)



Weight (g)

85



Beam Distance (m)

20



Illumination (Lux):

High: 26000 • Low: 37600



Lumens (lm) after Dynamo for:

1 min: High: 14.8 • Low: 7.5

3 mins: High: 23.6 • Low: 10.4



Runtime (Mins) after Dynamo for: *

1 min: High: 4.5 • Low: 11.5

3 mins: High: 10 • Low: 20.5



Current (mA):

70-80



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3.6V 80mAh Ni-MH

Optional Bike Mount



Optional Headband



Operation Button

- With High/Low/OFF Functions



1 x LG 0.3W LED

- Producing up to 17.9 lm

Removable Strap

Dynamo Crank On Underside

- Crank hinges out from body
- Rotate crank to charge

FD-557E0.3W



Function

High • Low • OFF



Bulb Type

1 x LG 0.3W LED



Battery Type

3.6V 80mAh Ni-MH



Size (mm)

78(L) x 46(W) x 39(H)



Weight (g)

98



Beam Distance (m)

20



Illumination (Lux) after Dynamo for:

3 min - High: 69000 Low: 27000



Lumens (lm) after Dynamo for:

1 min - High: 11.6 • Low: 6.3
3 min - High: 17.9 • Low: 8.6



Runtime (Mins) after Dynamo for: *

1 min - High: 2.5 • Low: 8.5
3 min - High: 7 • Low: 16



Current (mA):

DC 3.6V - High: 90-100 •
Low: 30-40



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3.6V 80mAh Ni-MH

To compare alternative specifications for the FD-557 series, turn to page 108.



ENLIGHTENING ALL

These FM band radio flashlights are the perfect companion when out camping or fishing. Their rechargeable battery as well as in-built dynamo assure that users will always be able to shine some light on the situation.

Charging Dynamo



Users can provide additional charge the FD-550E1W by rotating the dynamo crank.

The flashlight can be placed upright and used as a spotlight due to its angle adjustable head.

Angle Adjustable Head

- Locks to each position

Radio Controls

- With Auto Scan function

Super Bright 1W LED

Operation Button

- With High/Low/OFF Functions



FD-550E1W



Function

High • Low • OFF •
Radio (Auto Scan, FM band)



Bulb Type

1 x Cree XP-E 1W LED



Battery Type

3.6V 500mAh Ni-MH



Size (mm)

235(L) x 80(W) x 113(H)



Weight (g)

422



Beam Distance (m)

86.5



Illumination (Lux)

High: 19000
Low: 12800



Lumens (lm) after Dynamo for:

1 min - High: 14 • Low: 5.5
3 min - High: 19 • Low: 6.5



Runtime (Mins) after Dynamo for: **

1 min-High: 5 • Low: 10 • Radio*: 11
3 min-High: 9.5 • Low: 22 • Radio*: 19

Runtime (Hours) after DC: ***

High: 5 • Low: 10 • Radio: 21



Current (mA):

DC 3.6V - High: 90 • Low: 40 •
Radio(Vol 100Db): 120



Water Resistance

N/A

* Tested with volume at minimum

** Testing Battery: 3.6V 500mAh Ni-MH

*** DC 5V 10Hrs Fully Charge

To compare alternative specifications for the FD-550 series, turn to page 107.



FD-184E0.3W



Function
ON • OFF



Bulb Type
1 x LG 0.3W LED



Battery Type
4 x AA



Size (mm)
Ø60.5 x 154(L)



Weight (g)
183



Beam Distance (m)
45.6



0m Illumination (Lux)
5000



Lumens (lm)
4



Runtime (Hours) *
LED ON: 235 Hrs • Radio*: 57 Hrs



Current (mA)
LED ON: 80-90 • Radio: 120 (Vol 100DB)



Water Resistance
IPX4. Can protect against splashing water for 10mins



Remote
N/A

* Tested with volume at minimum

** Testing Battery: 4xAA KC Alkaline



SPOTLIGHTS

A silhouette of a person wearing a cap and jacket, standing on a rocky shore and fishing with a rod. The scene is set at sunset or sunrise, with a vibrant orange and red sky reflected in the calm water of a lake. In the background, there are silhouettes of trees and distant hills.

INNOVATIVE AND POWERFUL

From handheld spotlights with in-built stands (FD-SL01) to multifunctional freestanding spotlights that double as lanterns (FD-201E0.3W, p47), these spotlights have something to offer everyone. For more spotlights and to compare specifications please turn to page 109.

Operation Button

- With Low/High/OFF function

Adjustable Strap

Battery Compartment

- Operational with either 4 x AA or 8 x AA batteries



Adjustable Stand



An in-built angle adjustable stand makes the FD-SL01 freestanding when the handle is removed.

Ultra Bright Spotlight

- 1 x LG 3W LED
- Up to 158 lm on High

Angle Adjustable Stand

- Hinges out from body when handle is removed

Removable Handle

- Unscrew to remove

FD-SL01



Function

Low • High • OFF



Bulb Type

1 x LG 3W LED



Battery Type

Functions on both 8 x AA and 4 x AA



Size (mm)

Ø86 x 173(L) x 173(H)



Weight (g)

445



Beam Distance (m) *

307



0m Illumination (Lux) *

High: 102100 • Low: 48000



Lumens (lm) *

High: 158 • Low: 76



Runtime (Hours) *

High: 18 Hrs • Low: 37 Hrs



Current (mA) *

High: 900-1A • Low: 320-350



Water Resistance

IPX4. Can protect against splashing water for 10mins



Remote

N/A

* Testing Battery: 8xAA KC Alkaline

Red LEDs



3 Red signal LEDs are situated at the back of the FD-3611ER30.

Super Bright Flashlight

- 30 x 5mm Nichia 500GS LEDs
- Up to 120.3 lm



Angle Adjustable Head

- Locks to each position

Operation Button

- Trigger switch
- With lock function

Battery Compartment

- With rechargeable battery

FD-3611ER30



Function

White LED ON • Red LED Flash
• OFF



Bulb Type

30 x 5mm Nichia 500GS LED • 3
x Red LED



Battery Type

6V 3.2Ah Sealed Lead-Acid



Size (mm)

Ø117 x 85 x 310(L)



Weight (g)

984 (Car plug cord included)



Beam Distance (m)

61.3



0m Illumination (Lux)

28000



Lumens (lm)

120.3



Runtime (Hours) *

White LED: 11 Hrs • Red LED
Flash: 210 Hrs



Current (mA)

White LED: 450-480 • Red LED
Flash: 70-MAX



Water Resistance

N/A



Remote

N/A

* Testing Battery: 6V 3.2Ah Sealed Lead-Acid

Adjustable Stand



An additional section can be attached to the FD-083E0.5 to increase its height.

Tripod Stand

- Folds down to be stored within body for transportation

To compare alternative specifications for the FD-083 series, turn to page 109.



1 x LG 0.5W LED

- Up to 26.4 lm on High

Angle Adjustable Head

- Locks to each position

Red LED

- With FLASH function

FD-083E0.5W



Function

High • Low • Red LED Flash • OFF



Bulb Type

1x LG 0.5W • 1 x Red Led



Battery Type

3 x AA



Size (mm)

Ø80 x 240(H)



Weight (g)

230



Beam Distance (m)

60.5



0m Illumination (Lux)

High: 3500 • Low: 1500



Lumens (lm)

High: 26.4 • Low: 5.3



Runtime (Hours) *

High: 38 Hrs • Low: 120 Hrs



Current (mA)

High: 120-130 • Low: 25-35



Water Resistance

N/A



Remote

N/A

* Testing Battery: 3xAA KC Alkaline

Lantern Function



Users can extend the lens for area lighting.



1 x 0.3W LED
• Up to 14.3 lm

Multi-angled Adjustable Handle

• Bar hinges out from the handle to become a stand

FD-219E0.3W



Function
ON • OFF



Bulb Type
1 x LG 0.3W LED



Battery Type
4 x AA



Size (mm)
Ø70 x 125(H)
When Extended 158(H)



Weight (g)
210



Beam Distance (m)
38.9



0m Illumination (Lux)
16000



Lumens (lm)
14.3



Runtime (Hours) *
60 Hrs



Current (mA)
70-80



Water Resistance
IPX4. Floating and protected against splashing for 10mins



Remote
N/A

* Testing Battery: 3xAA KC Alkaline



POWER TANKS



POWER ON THE GO

Our range of Multi-functional rechargeable Power Tanks contain; a 12V Rechargeable battery, super bright 30 pcs LED Spotlight with angle adjustable head, a secondary flashlight, DC 12V output terminals (cables included) and two DC 5V 1.5A USB output ports. To compare the specifications of our Power Tanks please turn to page 113.

Flashlight



Detachable flashlight with ON
• OFF • FLASH function.

Detachable Flashlight

- With ON/OFF/FLASH function

In-Built Radio

- With AM/FM/SIREN function

In-Built Circuit Breaker

- Ensuring safe operation

USB Output Port

- DC 5V 1.5A USB port



Super Bright Spotlight

- 30 x 5mm Nichia 500GS LEDs

In-Built Rechargeable Battery

- 12V 17Ah Sealed Lead-Acid

DC 12V Output Terminal

- Cable included

Battery Indicator

- LEDs Indicate battery life

FD-2017USB



Function

ON • OFF (Spotlight)



Bulb Type

30 x 5mm Nichia 500GS LEDs



Battery Type

12V 17Ah Sealed Lead-Acid



Size (mm)

344(L) x 132(W) x 355(H)



Weight (g)

7550



Beam Distance (m)

78



0m Illumination (Lux)

53600



Lumens (lm)

195



Runtime (Hours) *

60 Hrs



Current (mA)

210-230



Water Resistance

N/A



Remote

NA

* Testing Battery: 12V 17Ah Sealed Lead-Acid

Lantern Function



Angle adjustable 30 pieces
Chinese LED Spotlight.

Lantern Function



Angle adjustable 30 pieces
Chinese LED Spotlight.

USB Output Port

- DC 5V 1.5A USB output port

In-Built Flashlight

- With ON/OFF/FLASH function

Battery Indicator

- LEDs Indicate battery life

In-Built Circuit Breaker

- Ensuring safe operation



Super Bright Spotlight

- 30 x 5mm Nichia 500GS LEDs

In-Built Rechargeable Battery

- 12V 12Ah Sealed Lead-Acid

DC 12V Output Terminal

- Cable included

FD-2012USB



Function
ON • OFF (Spotlight)



Bulb Type
30 x 5mm Nichia 500GS LEDs



Battery Type
12V 12Ah Sealed Lead-Acid



Size (mm)
320(L) x 132(W) x 302(H)



Weight (g)
5200



Beam Distance (m)
77



0m Illumination (Lux)
53200



Lumens (lm)
192



Runtime (Hours) *
45 Hrs



Current (mA)
210-230



Water Resistance
N/A



Remote
N/A

* Testing Battery: 12V 12Ah Sealed Lead-Acid

Lantern Function



Angle adjustable 30 pieces
Chinese LED Spotlight.

USB Output Port

- DC 5V 1.5A USB output port

In-Built Flashlight

- With ON/OFF/FLASH function

Battery Indicator

- LEDs Indicate battery life

In-Built Circuit Breaker

- Ensuring safe operation



Super Bright Spotlight

- 30 x 5mm Nichia 500GS LEDs

In-Built Rechargeable Battery

- 12V 7Ah Sealed Lead-Acid

DC 12V Output Terminal

- Cable included

FD-2007USB



Function

ON • OFF (Spotlight)



Bulb Type

30 x 5mm Nichia 500GS LEDs



Battery Type

12V 7Ah Sealed Lead-Acid



Size (mm)

287(L) x 132(W) x 236(H)



Weight (g)

3250



Beam Distance (m)

77.4



0m Illumination (Lux)

52600



Lumens (lm)

192



Runtime (Hours) *

26 Hrs



Current (mA)

210-230



Water Resistance

N/A



Remote

N/A

* Testing Battery: 12V 7Ah Sealed Lead-Acid

TECH SPECS: LANTERNS



Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

						
FD-220DE9	FD-220DE12	FD-220DVE3	FD-220DVE4	FD-220DVE5	FD-220DVE6	FD-220DVE0.5W
Dimmer • OFF	Dimmer • OFF	Dimmer • OFF	Dimmer • OFF	Dimmer • OFF	Dimmer • OFF	Dimmer • OFF
9 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.5W
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA
Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)
220	220	220	220	220	220	220
8.1	8.9	5.1	5.8	6.2	6.8	4.5
4500	5100	3200	3800	4300	4700	5400
34.1	35.3	24.2	25	31	35.5	27.6
18 Hrs	16 Hrs	28 Hs	25 Hrs	23 Hrs	20 Hrs	26 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline
170-190	200-220	100-110	110-125	130-145	150-170	120-130
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-220DVE1W	FD-220E9	FD-220E12	FD-220EM9	FD-220EM12	FD-220VE3	FD-220VE4	FD-220VE4S	FD-220VE5
Dimmer • OFF	ON • OFF	ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF	Low • OFF • High	Low • OFF • High	Low • OFF • High
1 x Cree XP-E 1W	9 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	9 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS • 1 x Red LED	5 x 5mm Nichia 500GS
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA
Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)
220	220	220	244	245	220	220	220	220
7.5	9.7	8.8	7	7.6	5.3	6.4	4.9	4.5
9000	5100	4500	3900	4500	3000	High: 3600 Low: 950	High: 2100 Low: 1400	High: 950 Low: 310
61.1	36.4	47.7	36.1	39.4	24.8	High: 26.8 Low: 6.3	High: 18 Low: 7.1	High: 25.1 Low: 7
8 Hrs	18 Hrs	15 Hrs	18 Hrs	14 Hrs	45 Hrs	High: 40 Hrs Low: 120 Hrs	High: 30 Hrs Low: 163 Hrs	High: 37 Hrs Low: 120 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline
290-320	190-205	230-245	185-200	240-250	100-115	High: 110-125 Low: 25-35	High: 85-100 Low: 25-30	High: 120-135 Low: 25-35
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	1 x CR2032	1 x CR2032	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance








Remote Battery Type

						
FD-220VE5S	FD-220VE6	FD-220VE6S	FD-220VE0.5W	FD-220VE1W	FD-220VEi0.5W	FD-220VEi1W
Low • OFF • High	Low • OFF • High	Low • OFF • High	ON • OFF	ON • OFF	ON • OFF • Remote	ON • OFF • Remote
4 x 5mm Nichia 500GS • 1 x Red LED	6 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS • 1 x Red LED	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.5W	1 x Cree XP-E 1W
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA
Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)
220	220	220	211	214	245	250
4.5	6.3	6.4	7.15	4.2	5.2	8.6
High: 950 Low: 310	High: 3700 Low: 1800	High: 3600 Low: 1200	3500	3400	3200	6000
High: 25.1 Low: 7	High: 29.8 Low: 7	High: 22.6 Low: 7.5	26	24.5	36.4	70.3
High: 37 Hrs Low: 120 Hrs	High: 26 Hrs Low: 163 Hrs	High: 24 Hrs Low: 162 Hrs	20 Hrs	46 Hrs	28 Hrs	8 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline
High: 120-135 Low: 25-35	High: 95-105 Low: 25-30	High: 125-140 Low: 25-30	140-160	80-90	120-130	290-320
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	2 x AAA	2 x AAA

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

						
FD-220VEM3	FD-220VEM4	FD-220VEM5	FD-220VEM6	FD-220VEM0.5W	FD-220VEM1W	FD-220CVE0.3W
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	Low • OFF • High
3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.3W
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	3.6V 230mAh Ni-MH
Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø113x132(H)	Ø96x134.5(H)
245	245	245	245	239	245	292
4.7	5.2	5.9	6.3	5	8.5	5
2750	3000	3500	4100	4100	6000	High: 2300 Low: 1100
20.8	24.3	25.2	26.4	37.7	69.2	D1 - High: 5.5 • Low: 1.6
48 Hrs	45 Hrs	42 Hrs	38 Hrs	28 Hrs	8 Hrs	D3 - High: 15.2 • Low: 3.7
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	D1 High: 4.5mins • Low: 17.5mins
90-105	100-115	130-150	160-180	120-130	290-320	DC 5V (2Hrs Fully Charge) - High: 41 Hrs • Low: 83.5 Hrs
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	3.6V 230mAh Ni-MH
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	DC3.6V High: 50-60 Low: 10-20
						N • A
						N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-220CVE5

FD-225DE9

FD-225DE12

FD-225DVE3

FD-225DVE4

FD-225DVE5

Low • OFF • High

Dimmer • OFF

Dimmer • OFF

Dimmer • OFF

Dimmer • OFF

Dimmer • OFF

5 x 5mm Nichia 500GS

9 x 5mm Nichia
500GS

12 x 5mm Nichia
500GS

3 x 5mm Nichia
500GS

4 x 5mm Nichia
500GS

5 x 5mm Nichia
500GS

3.6V 230mAh Ni-MH

4 x AA

4 x AA

4 x AA

4 x AA

4 x AA

Ø96x134.5(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

294

256

256

254

255

255

6.2

7.8

8.8

4.7

5.5

5.8

High: 2500
Low: 950

5900

6300

1750

2500

2750

D1 - High: 16.5 •
Low: 12.2

D3 - High: 18.2 •
Low: 14.7

48.5

52.5

8.9

11.9

12.9

D1 High: 3.5mins •
Low: 12.5mins

D3 - High: 7.5mins •
Low: 25.5mins •
DC 5V (2Hrs Fully
Charge) - High: 39
Hrs • Low: 84 Hrs

20 Hrs

16 Hrs

59 Hrs

55 Hrs

50 Hrs

3.6V 230mAh Ni-MH

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

DC3.6V High: 40-50
Low: 10-20

180-195

230-245

65-80

80-95

110-120

N • A

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

N • A

N • A

N • A

N • A










N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-225DVE6	FD-225DVE05W	FD-225E9	FD-225E12	FD-225EM9	FD-225EM12	FD-225VE3	FD-225VE4	FD-225VE5
Dimmer • OFF	Dimmer • OFF	ON • OFF	ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF	ON • OFF	ON • OFF
6 x 5mm Nichia 500GS	1 x LG 0.5W	9 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	9 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA
Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)
257	257	255	255	278	278	254	255	255
6.7	5	7.8	8.8	7.7	8.7	4.7	5.5	5.8
3800	3400	5800	6300	5800	6000	1750	2500	2750
14.8	33.6	48.3	52.5	48.2	51.2	8.9	11.9	12.9
43 Hrs	18 Hrs	20 Hrs	16 Hrs	20 Hrs	16 Hrs	59 Hrs	55 Hrs	50 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline
130-145	220-230	180-195	230-245	180-185	230-245	65-80	80-95	110-120
IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins
N • A	N • A	N • A	N • A	1 x CR2032	1 x CR2032	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-225VE6

FD-225VE0.3W

FD-225VE0.5W

FD-225VE1W

FD-225VEi0.3W

FD-225VEi0.5W

FD-225VEM3

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF • Remote

ON • OFF • Remote

ON • OFF • Remote

6 x 5mm Nichia
500GS

1 x LG 0.3W

1 x LG 0.5W

1 x Cree XP-E 1W

1 x LG 0.3W

1 x LG 0.5W

3 x 5mm Nichia
500GS

4 x AA

4 x AA

4 x AA

4 x AA

4 x AA

4 x AA

4 x AA

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

Ø110x156(H)

257

255

255

260

256

256

276

6.7

4.7

4.2

9.2

4.7

5.3

4.7

3800

2400

2600

8600

2400

3300

1760

14.8

10.1

21.5

71.5

10.1

47.7

8.9

43 Hrs

55 Hrs

32 Hrs

7.5 Hrs

37 Hrs

19 Hrs

58 Hrs

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

4xAA KC Alkaline

130-145

70-80

120-130

290-320

80-100

296-306

60-75

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

IPX4. Protected
against splashing
water for 10 mins

N • A

N • A

N • A

N • A

2 x AAA









2 x AAA

1 x CR2032

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

							
FD-225VEM4	FD-225VEM5	FD-225VEM6	FD-225VEM0.3W	FD-225VEM0.5W	FD-225VEM1W	FD-226CVE0.3W	FD-226DVEi0.3W
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	High • Low • OFF	On • Remote • OFF (Remote: Dimmer • Flash • Off)
4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.3W	1 x LG 0.3W
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	3.6V 230mAh Ni-MH	3 x AA
Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø110x156(H)	Ø127x157(H)	Ø127x155(H)
276	277	278	278	278	283	292	363
5.5	5.9	6.7	4.7	4.2	9.2	4.2	5.4
2500	2750	3750	2400	2600	8600	High: 1100 Low: 250	1000
11.9	12.9	14.6	10.1	21.5	71.5	D1 - High: 2.5 • Low: 1.6	D3 - High: 8.5 • Low: 2.3
54 Hrs	49 Hrs	42 Hrs	55 Hrs	32 Hrs	7.5 Hrs	D1 High: 3.5mins Low: 9.5mins	D3 - High: 11.5mins • Low: 24mins • DC 5V (2Hrs Fully Charge) - High: 82 Hrs • Low: 160.5 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	3.6V 230mAh Ni-MH	3xAA KC Alkaline
80-95	110-125	130-145	70-80	120-130	290-320	DC3.6V High: 70-80 Low: 20-30	60-80
IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	N • A	N • A
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	N • A	2 x AAA

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)





Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

					
FD-227E5	FD-227E0.3W	FD-227E0.5W	FD-227CE0.3W	FD-229VE12	FD-229VE16
High • Low • OFF	High • Low • OFF	High • Low • OFF	High • Low • OFF	ON • OFF	ON • OFF
5 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x LG 0.3W	12x 5mm Nichia 500GS	16 x 5mm Nichia 500GS
3 x AA	3 x AA	3 x AA	3.6V 230mAh Ni-MH	4 x AA	4 x AA
Ø101x134(H)	Ø101x134(H)	Ø101x134(H)	Ø96x134.5(H)	125(W)x230(H)	125(W)x230(H)
154	153	153	154	327	327
5.3	4	5.36	3.3	10.5	11.2
High: 2000 Low: 460	High: 1300 Low: 400	High: 1800 Low: 570	D1 High: 1300 • Low: 540	D3 - High: 1420 • Low: 610	5300
High: 29.5 Low: 5.9	High: 12.3 Low: 4	High: 20.5 Low: 4.9	D1 - High: 16 • Low: 10	D3 - High: 20 • Low: 13	6400
High: 46 Hrs Low: 132 Hrs	High: 71 Hrs Low: 118 Hrs	High: 47 Hrs Low: 140 Hrs	D1 High: 3.5mins • Low: 10.5mins	D3 - High: 10 ins • Low: 18mins	41
3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3.6V 230mAh Ni-MH	4xAA KC Alkaline	4xAA KC Alkaline
High: 130-140 Low: 25-35	High: 65-85 Low: 20-30	High: 105-120 Low: 20-40	D1 High: 55-65 • Low: 15-20	D3 - High: 65-75 • Low: 20-25	225-245
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	N • A	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-229VE20	FD-229VE24	FD-229VE3	FD-229VE4	FD-229VE5	FD-229VE6	FD-232E0.3W	FD-3001VE0.3W	FD-3001NVE1W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	High • Low • OFF	High • Low • OFF	High • Low • OFF
20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.3W	1 x Cree XP-E 1W
4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	4 x AA	3 x AA	3 x AA	3 x AA
125(W)x230(H)	125(W)x230(H)	125(W)x230(H)	125(W)x230(H)	125(W)x230(H)	125(W)x230(H)	Ø110x132(H)	Ø76x170(H)	Ø76x170(H)
327	327	297	297	297	298	154	133	133
13.2	13.7	4.8	5.2	5.8	5.9	4.19	5	5.6
7200	7550	1970	2010	2200	2450	High: 1400 Low: 470	High: 3300 Low: 1200	High: 5900 Low: 1700
57	63	21.2	22.9	23.5	27.1	High: 12.1 Low: 4.3	High: 16.1 Low: 5.2	High: 27 Low: 7.5
14 Hrs	12 Hrs	26 Hrs	22 Hrs	20 Hrs	18 Hrs	High: 68 Hrs Low: 143 Hrs	High: 70 Hrs Low: 141 Hrs	High: 36 Hrs Low: 140 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	4xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline
310-330	350-370	90-105	110-125	130-140	160-180	High: 70-80 Low: 20-30	High: 80-100 Low: 30-40	High: 150-230 Low: 30-40
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Protected against splashing water for 10 mins	N • A	N • A
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-3001CVE0.3W

High • Low • OFF

1 x LG 0.3W

3.6V 330mAh Ni-MH

Ø76x180(H)

192

4.7

D1 High: 1500 •
Low: 400

D3 - High: 2800 •
Low: 480

D1 - High: 11.4 •
Low: 3.8

D3 - High: 14.2 •
Low: 4.6

D1 High: 1.5mins •
Low: 4mins

D3 - High: 2.5mins •
Low: 6.5mins

3.6V 330mAh Ni-MH

DC 3.6V - High: 80-100 • Low: 30-40

N • A

N • A



FD-3002VE0.3W

High • Low • OFF

1 x LG 0.3W

3 x AA

Ø76x200(H)

125

5

High: 3300
Low: 1200

High: 16.1
Low: 5.2

High: 70 Hrs
Low: 141 Hrs

3xAA KC Alkaline

High: 80-100
Low: 30-40

N • A

N • A



FD-3002NVE1W

High • Low • OFF

1 x Cree XP-E 1W

3 x AA

Ø76x200(H)

125

5.6

High: 5900
Low: 1700

High: 27
Low: 7.5

High: 36 Hrs
Low: 140 Hrs

3xAA KC Alkaline

High: 150-230
Low: 30-40

N • A

N • A



FD-3002CVE0.3W

High • Low • OFF

1 x LG 0.3W

3.6V 330mAh Ni-MH

Ø76x210(H)

184

4.7

D1 High: 1500 •
Low: 400

D3 - High: 2800 •
Low: 480

D1 - High: 11.4 •
Low: 3.8

D3 - High: 14.2 •
Low: 4.6

D1 High: 1.5mins •
Low: 4mins

D3 - High: 2.5mins •
Low: 6.5mins

3.6V 330mAh Ni-MH

DC 3.6V - High: 80-100 •
Low: 30-40

N • A

N • A



FD-3003

High • OFF • Low

5 x LG 0.5W LEDs

2 x D

112(L)x60(W)x182(H)

142

13

High: 24000
Low: 5400

High: 58.1
Low: 4.2

High: 6 Hrs
Low: 9 Hrs

2xD KC Alkaline

High: 580-620
Low: 100-120

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-3003R	FD-3003RS	FD-3003P	FD-3003A	FD-3004	FD-3005	FD-308AE3	FD-308AE4	FD-308AE5
High • OFF • Low	High • OFF • Low	High • OFF • Low	High • OFF • Low	High • OFF • Low	Single: ON • OFF Whole: ON • OFF	ON • OFF	ON • OFF	ON • OFF
5 x LG 0.5W LEDs	5 x LG 0.5W LEDs	5 x LG 0.5W LEDs	5 x LG 0.5W LEDs	14 x LG 0.5W	Single: 1 x LG 0.3W Whole: 4 x LG 0.3W	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS
3.6V 500mAh Ni-MH 3xAA	4V 2Ah Sealed Lead-Acid	2 x D	2 x D	4 x AA	Single: 1 x LIR2450 Whole: 4 x AA	3 x AA	3 x AA	3 x AA
112(L)x60(W)x182(H)	112(L)x60(W)x182(H)	112(L)x60(W)x182(H)	112(L)x60(W)x182(H)	130(L)x48(W)x224(H)	90(L)x90(W)x120(H)	Ø95x115(213)(L)	Ø95x115(213)(L)	Ø95x115(213)(L)
236	402	142	142	363	265	219	221	221
13	13	13	13	19.4	Single: 4 • Whole: 8	3.8	4	4.7
High: 24000 Low: 5400	High: 25000 Low: 5500	High: 24000 Low: 5400	High: 24000 Low: 5400	High: 29000 Low: 4300	Single: 30000 Whole: 450	1500	3100	3500
High: 58.1 Low: 4.2	High: 58.1 Low: 4.2	High: 58.1 Low: 4.2	High: 58.1 Low: 4.2	High: 168.6 Low: 45	Single: 17 Whole: 59	8.7	11.5	16.7
High: 3 Hrs Low: 4.5 Hrs	High: 5 Hrs Low: 8 Hrs	High: 6 Hrs Low: 9 Hrs	High: 6 Hrs Low: 9 Hrs	High: 2 Hrs Low: 16 Hrs	Single: 2.5 Hrs Whole: 20 Hrs	43 Hrs	35 Hrs	28 Hrs
3.6V 500mAh Ni-MH 3xAA	4V 2Ah Sealed Lead-Acid	2xD KC Alkaline	2xD KC Alkaline	4xAA KC Alkaline	1 x LIR2450 4xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline
High: 580-620 Low: 100-120	High: 580-620 Low: 100-120	High: 580-620 Low: 100-120	High: 1.39A-1.1A Low: 250-280	High: 750-900 Low: 140-160	Single: 75mA	85-95	100-115	140-155
N • A	N • A	N • A	N • A	N • A	N • A	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-308AE6

FD-308AE0.3W

FD-308AE0.5W

FD-308AE1W

FD-308DE3

FD-308DE4

FD-308DE5

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

6 x 5mm Nichia
500GS

1 x LG 0.3W

1 x LG 0.5W

1 x Cree XP-E 1W

3 x 5mm Nichia
500GS

4 x 5mm Nichia
500GS

5 x 5mm Nichia
500GS

3 x AA

3 x AA

3 x AA

3 x AA

3 x D

3 x D

3 x D

Ø95x115(213)(L)

Ø95x115(213)(L)

Ø95x115(213)(L)

Ø95x115(213)(L)

Ø127x130(222)(L)

Ø127x130(222)(L)

Ø127x130(222)(L)

222

219

220

225

376

381

382

5.2

3.3

4

11

3.9

4.5

4.9

4000

1300

1500

3100

1180

1200

1300

18.2

8.3

12

45.7

9.3

11.4

15.8

23 Hrs

60 Hrs

48 Hrs

15 Hrs

230 Hrs

210 Hrs

188 Hrs

3xAA KC Alkaline

3xAA KC Alkaline

3xAA KC Alkaline

3xAA KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

160-180

70-80

120-130

290-310

85-95

100-115

140-155

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

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protected against
splashing for 10mins

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protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

N • A

N • A

N • A

N • A

N • A










N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-308DE6	FD-308DE0.3W	FD-308DE0.5W	FD-308DE1W	FD-381VE0.3W	FD-381VE0.5W	FD-381VE1W	FD-381AVE0.3W	FD-381AVE0.5W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	Low • OFF • High	Low • OFF • High	Low • OFF • High	Low • OFF • High	Low • OFF • High
6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.3W	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.3W	1 x LG 0.5W
3 x D	3 x D	3 x D	3 x D	3 x D	3 x D	3 x D	3 x D	3 x D
Ø127x130(222)(L)	Ø127x130(222)(L)	Ø127x130(222)(L)	Ø127x130(222)(L)	106(W)x204(H)	106(W)x204(H)	106(W)x204(H)	106(W)x223(H)	106(W)x223(H)
382	381	381	385	307	307	311	318	318
5.6	3.6	4.1	12.1	4.2	5	12.2	4.2	5
1700	1100	1210	3800	High: 2100 Low: 1200	High: 2600 Low: 1700	High: 3800 Low: 2800	High: 2100 Low: 1200	High: 2600 Low: 1700
18.5	8.7	12.4	48.4	High: 9.2 Low: 3.3	High: 12.2 Low: 4.3	High: 48.6 Low: 8.3	High: 9.2 Low: 3.3	High: 12.2 Low: 4.3
165 Hrs	235 Hrs	205 Hrs	78 Hrs	High: 225 Hrs Low: 408 Hrs	High: 158Hrs Low: 320 Hrs	High: 76 Hrs Low: 260 Hrs	High: 225 Hrs Low: 408 Hrs	High: 158Hrs Low: 320 Hrs
3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline
160-180	70-80	120-130	290-310	High: 70-80 Low: 15-20	High: 120-130 Low: 20-25	High: 290-320 Low: 40-50	High: 70-80 Low: 15-20	High: 120-130 Low: 20-25
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

FD-381AVE1W	FD-381AVEM0.5W	FD-381AVEM1W	FD-384E12	FD-384E16	FD-384E18	FD-384E20
Low • OFF • High	ON • OFF • Remote	ON • OFF • Remote	ON • OFF	ON • OFF	ON • OFF	ON • OFF
1 x Cree XP-E 1W	1 x LG 0.5W	1 x Cree XP-E 1W	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS
3 x D	3 x D	3 x D	6 x D	6 x D	6 x D	6 x D
106(W)x223(H)	106(W)x223(H)	106(W)x223(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)
322	368	372	696	697	698	698
12.2	5	12.3	8.6	9.2	10.2	12.2
High: 3800 Low: 2800	2600	3800	3500	4000	4200	5100
High: 48.6 Low: 8.3	12.2	48	66.5	70	74	98
High: 76 Hrs Low: 260 Hrs	155 Hrs	75 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs
3xD KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
High: 290-320 Low: 40-50	120-135	290-320	120-135	140-155	150-165	160-180
IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-384E24	FD-384E28	FD-384E30	FD-384Ei12	FD-384Ei16	FD-384Ei18	FD-384Ei20	FD-384Ei24	FD-384Ei28
ON • OFF	ON • OFF	ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)
699	700	700	730	731	732	732	733	733
13.5	15.6	16	8.6	9.2	10.2	12.2	13.5	15.6
6200	6600	6900	3500	4000	4200	5100	6200	6600
118	134	138	66.5	70	74	98	118	134
148 Hrs	163 Hrs	160 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
200-220	220-240	230-250	120-135	140-155	150-165	160-180	200-220	220-240
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

FD-384Ei30	FD-384EM12	FD-384EM16	FD-384EM18	FD-384EM20	FD-384EM24	FD-384EM28
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)
733	750	748	749	751	750	751
16	8.6	9.2	10.2	12.2	13.5	15.6
6900	3500	4000	4200	5100	6200	6600
138	66.5	70	74	98	118	134
160 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
230-250	120-135	140-155	150-165	160-180	200-220	220-240
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
2 x AAA	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-384EM30	FD-384EMP12	FD-384EMP16	FD-384EMP18	FD-384EMP20	FD-384EMP24	FD-384EMP28	FD-384EMP30	FD-384EMR12
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6V 3.2Ah Sealed Lead-Acid
Ø165x262(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)
751	800 **	800 **	801 **	801 **	802 **	803 **	803 **	1287 **
16	8.6	9.2	10.2	12.2	13.5	15.6	16	12.5
6900	3500	4000	4200	5100	6200	6600	6900	5820
138	66.5	70	74	98	118	134	138	82
160 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs	160 Hrs	17.3 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid
230-250	120-135	140-155	150-165	160-180	200-220	220-240	230-250	337-357
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

FD-384EMR16	FD-384EMR18	FD-384EMR20	FD-384EMR24	FD-384EMR28	FD-384EMR30	FD-384EP12
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF
16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS
6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6 x D
Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)
1287 **	1288 **	1288 **	1289 **	1290 **	1290 **	750 **
13.1	13.8	14.3	15.1	16	16.5	8.6
5890	5950	6010	6200	6500	6700	3500
89	96	104	118	130	135	66.5
16.3 Hrs	16.3 Hrs	15.8 Hrs	14.7 Hrs	12.5 Hrs	11.5 Hrs	190 Hrs
6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6xD KC Alkaline
349-369	360-380	374-394	398-418	430-450	450-480	120-135
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-384EP16	FD-384EP18	FD-384EP20	FD-384EP24	FD-384EP28	FD-384EP30	FD-384ER12	FD-384ER16	FD-384ER18
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)	Ø165x270(H)
750 **	751 **	751 **	752 **	753 **	753 **	1240 **	1240 **	1240 **
9.2	10.2	12.2	13.5	15.6	16	12.5	13.1	13.8
4000	4200	5100	6200	6600	6900	5820	5890	5950
70	74	98	118	134	138	82	89	96
176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs	160 Hrs	17.3 Hrs	16.3 Hrs	16.3 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
140-155	150-165	160-180	200-220	220-240	230-250	337-357	349-369	360-380
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-384ER20

FD-384ER24

FD-384ER28

FD-384ER30

FD-386CVE0.5W

FD-386DE20

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

Dimmer • OFF

20 x 5mm Nichia
500GS

24 x 5mm Nichia
500GS

28 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

1 x LG 0.5W

20 x 5mm Nichia
500GS

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

3.6V 500mAh Ni-MH

4 x D

Ø165x270(H)

Ø165x270(H)

Ø165x270(H)

Ø165x270(H)

Ø127x234(H)

Ø155x240(H)

1240 **

1240 **

1240 **

1240 **

566

573

14.3

15.1

16

16.5

1.2

13.7

6010

6200

6500

6700

D1 - 1160

D3 - 1800

6000

104

118

130

135

D1 - 1.4

D3 - 3.3

92.5

15.8 Hrs

14.7 Hrs

12.5 Hrs

11.5 Hrs

D1 - 1.5min

D3 - 5mins

125 Hrs

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

3.6V 500mAh Ni-MH

4xD KC Alkaline

374-394

398-418

430-450

450-480

DC 3.6V - ON: 100-110

330-350

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

IPX4. Floating and
protected against
splashing for 10mins

N • A

IPX4. Floating and
protected against
splashing for 10mins

N • A

N • A

N • A

N • A

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-386E12	FD-386E16	FD-386E18	FD-386E20	FD-386E24	FD-386E28	FD-386E30	FD-386E1W	FD-386Ei12
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF • Remote
12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	1 x Cree XP-E 1W	12 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)
568	569	569	569	569	570	572	568	592
9	10.6	11.4	12.7	13.7	16	16.8	7.6	9
3400	3800	4500	5600	5600	12800	13800	2810	3400
76	80	85	89	94	131	142	66.1	67.6
150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	65 Hrs	62 Hrs	175 Hrs	150 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
230-245	255-275	300-320	330-350	360-380	450-480	450-480	330-320	230-245
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	2 x AAA

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

FD-386Ei16	FD-386Ei18	FD-386Ei20	FD-386Ei24	FD-386Ei28	FD-386Ei30	FD-386EM12
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)
592	592	594	594	594	596	608
10.6	11.4	12.7	13.7	15.7	16.7	9
3800	4500	5600	5800	12500	13500	3400
80	85	89	94	130.6	140.4	67.6
141 Hrs	135 Hrs	128 Hrs	110 Hrs	64 Hrs	61 Hrs	150 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
255-275	300-320	330-350	360-380	450-480	450-480	230-245
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	1 x CR2032

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-386EM12	FD-386EM16	FD-386EM18	FD-386EM20	FD-386EM24	FD-386EM28	FD-386EM30	FD-390DE30	FD-3D6E12
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	Dimmer • OFF	ON • OFF
12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	6 x D	3 x D
Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø155x240(H)	Ø218x335(H)	Ø127x235(H)
608	610	610	610	610	610	612	875	508
9	10.6	11.4	12.7	13.7	15.8	16.5	16	9
3400	3800	4500	5600	5800	12600	13200	6800	3400
67.6	80	85	89	94	131.6	135.6	136	64.2
150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	63 Hrs	60 Hrs	158 Hrs	120 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	6xD KC Alkaline	3xD KC Alkaline
230-245	255-275	300-320	330-350	360-380	450-480	450-480	230-250	230-245
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	N • A	IPX4. Floating and protected against splashing for 10 mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-3D6E16

FD-3D6E18

FD-3D6E20

FD-3D6E24

FD-3D6E28

FD-3D6E30

FD-3D6E1W

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

16 x 5mm Nichia
500GS

18 x 5mm Nichia
500GS

20 x 5mm Nichia
500GS

24 x 5mm Nichia
500GS

28 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

1 x Cree XP-E 1W

3 x D

3 x D

3 x D

3 x D

3 x D

3 x D

3 x D

Ø127x235(H)

Ø127x235(H)

Ø127x235(H)

Ø127x235(H)

Ø127x235(H)

Ø127x235(H)

Ø127x235(H)

510

510

510

511

511

512

508

10.8

11.4

12.7

13.7

16

16.8

7.9

3800

4500

5600

5800

12800

13800

2500

76

80.7

84.5

89

124.5

135

59.1

113 Hrs

100 Hrs

102 Hrs

88 Hrs

52 Hrs

50 Hrs

150 Hrs

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

250-270

300-320

330-350

360-380

450-480

450-480

290-320

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

N • A

N • A

N • A

N • A

N • A










N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-388DE20	FD-388E12	FD-388E16	FD-388E18	FD-388E20	FD-388E24	FD-388E28	FD-388E30	FD-388E1W
Dimmer • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
20 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	1 x Cree XP-E 1W
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)
632	626	628	628	628	629	629	630	626
13.7	9	10.6	11.4	12.7	13.7	16	16.2	7.8
6000	3400	3800	4500	5600	5800	12800	12800	2840
92.5	67.6	80	85	89	94	131	136.5	65.3
125 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	65 Hrs	62 Hrs	172 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
330-350	230-245	255-275	300-320	330-350	360-380	450-480	450-480	300-320
IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

FD-388VE1W	FD-388VEM1W	FD-388Ei12	FD-388Ei16	FD-388Ei18	FD-388Ei20	FD-388Ei24
ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
1 x Cree XP-E 1W	1 x Cree XP-E 1W	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)
620	645	650	652	652	652	653
7.8	8.1	9	10.6	11.4	12.7	13.7
3000	3010	3400	3800	4500	5600	5800
65.4	66.4	67.6	80	85	89	94
173 Hrs	175 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
300-320	290-320	230-245	255-275	300-320	330-350	360-380
IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
N • A	1 x CR2032	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-388Ei28	FD-388Ei30	FD-388EM12	FD-388EM16	FD-388EM18	FD-388EM20	FD-388EM24	FD-388EM28	FD-388EM30
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)	Ø122x255(H)
653	654	666	668	668	668	669	669	670
15.7	16	9.1	10.8	11.4	12.7	13.7	15.8	16.1
12500	12500	3400	3800	4500	5600	5800	12600	12600
130.6	134.6	67.6	80	85	89	94	131.6	134.6
64 Hrs	61 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	63 Hrs	60 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
450-480	450-480	230-245	255-275	300-320	330-350	360-380	450-480	450-480
IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
2 x AAA	2 x AAA	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-3D8E12

FD-3D8E16

FD-3D8E18

FD-3D8E20

FD-3D8E24

FD-3D8E28

FD-3D8E30

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

12 x 5mm Nichia
500GS

16 x 5mm Nichia
500GS

18 x 5mm Nichia
500GS

20 x 5mm Nichia
500GS

24 x 5mm Nichia
500GS

28 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

3 x D

3 x D

3 x D

3 x D

3 x D

3 x D

3 x D

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

574

576

576

576

577

577

578

9

10.8

11.4

12.7

13.7

16

16.8

3400

3800

4500

5600

5800

12800

13800

64

76

80.7

84.5

89

124.5

135

120 Hrs

113 Hrs

108 Hrs

102 Hrs

88 Hrs

52 Hrs

50 Hrs

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

3xD KC Alkaline

230-245

255-275

300-320

330-350

360-380

450-480

450-480

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

N • A

N • A

N • A

N • A

N • A

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-3D8E1W	FD-396E12	FD-402EP12	FD-402EP16	FD-402EP18	FD-402EP20	FD-402EP24	FD-402ER18	FD-402ER20
ON • OFF	Low • High • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
1 x Cree XP-E 1W	12 x LG 0.3W	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS
3 x D	3 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
Ø127x252(H)	168(L)x80(W)x290(H)	Ø149x265(H)	Ø149x265(H)	Ø149x265(H)	Ø149x265(H)	Ø149x265(H)	Ø149x265(H)	Ø149x265(H)
574	536	785 **	785 **	786 **	786 **	787 **	1275 **	1275 **
7.8	17.2	8.6	9.2	10.2	12.2	13.5	13.8	14.3
2650	High: 11000 Low: 3000	3500	4000	4200	5100	6200	5950	6010
59.1	High: 143.5 Low: 36	66.5	70	74	98	118	96	104
150 Hrs	High: 34 Hrs Low: 168 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	16.3 Hrs	15.8 Hrs
3xD KC Alkaline	3xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
300-320	High: 700-750 • Low: 120-140	120-135	140-155	150-165	160-180	200-220	360-380	374-394
IPX4. Can protect against splashing water for 10 mins	N • A	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-402ER24

FD-402ER28

FD-402ER30

FD-403E12

FD-403E18

FD-403E24

FD-403E30

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

24 x 5mm Nichia
500GS

28 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

12 x 5mm Nichia
500GS

18 x 5mm Nichia
500GS

24 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6 x D

6 x D

6 x D

6 x D

Ø149x265(H)

Ø149x265(H)

Ø149x265(H)

Ø149x301(H)

Ø149x301(H)

Ø149x301(H)

Ø149x301(H)

1275 **

1275 **

1275 **

696

698

699

700

15.1

16

16.5

8.6

10.2

13.5

16

6200

6500

6700

3500

4200

6200

6900

118

130

135

66.5

74

118

138

14.7 Hrs

12.5 Hrs

11.5 Hrs

190 Hrs

170 Hrs

148 Hrs

160 Hrs

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6V 3.2Ah Sealed
Lead-Acid

6xD KC Alkaline

6xD KC Alkaline

6xD KC Alkaline

6xD KC Alkaline

398-418

430-450

450-480

120-135

150-165

200-220

230-250

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Floating and
protected against
splashing for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

N • A

N • A

N • A

N • A

N • A










N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-404E12	FD-404E16	FD-404E18	FD-404E20	FD-404E24	FD-404E28	FD-404E30	FD-404Ei12	FD-404Ei16
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF • Remote	ON • OFF • Remote
12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)
650	652	653	653	654	655	655	685	686
8.6	9.2	10.2	12.2	13.5	15.6	16	8.6	9.2
3500	4000	4200	5100	6200	6600	6900	3500	4000
66.5	70	74	98	118	134	138	66.5	70
190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs	160 Hrs	190 Hrs	176 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
120-135	140-155	150-165	160-180	200-220	220-240	230-250	120-135	140-155
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	2 x AAA	2 x AAA

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

FD-404Ei18	FD-404Ei20	FD-404Ei24	FD-404Ei28	FD-404Ei30	FD-404EM12	FD-404EM16
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)
687	687	688	688	688	695	693
10.2	12.2	13.5	15.6	16	8.6	9.2
4200	5100	6200	6600	6900	3500	4000
74	98	118	134	138	66.5	70
170 Hrs	158 Hrs	148 Hrs	163 Hrs	160 Hrs	190 Hrs	176 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
150-165	160-180	200-220	220-240	230-250	120-135	140-155
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	1 x CR2032	1 x CR2032

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-404EM18	FD-404EM20	FD-404EM24	FD-404EM28	FD-404EM30	FD-404EMP12	FD-404EMP16	FD-404EMP18	FD-404EMP20
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x262(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)
694	706	705	706	706	755 **	755 **	756 **	756 **
10.2	12.2	13.5	15.6	16	8.6	9.2	10.2	12.2
4200	5100	6200	6600	6900	3500	4000	4200	5100
74	98	118	134	138	66.5	70	74	98
170 Hrs	158 Hrs	148 Hrs	163 Hrs	160 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
150-165	160-180	200-220	220-240	230-250	120-135	140-155	150-165	160-180
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance









Remote Battery Type

FD-404EMP24	FD-404EMP28	FD-404EMP30	FD-404EMR12	FD-404EMR16	FD-404EMR18	FD-404EMR20
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS
6 x D	6 x D	6 x D	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)
757 **	758 **	803 **	1242 **	1242 **	1243 **	1244 **
13.5	15.6	16	12.5	13.1	13.8	14.3
6200	6600	6900	5820	5890	5950	6010
118	134	138	82	89	96	104
148 Hrs	163 Hrs	160 Hrs	17.3 Hrs	16.3 Hrs	16.3 Hrs	15.8 Hrs
6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
200-220	220-240	230-250	337-357	349-369	360-380	374-394
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-404EMR24	FD-404EMR28	FD-404EMR30	FD-404EP12	FD-404EP16	FD-404EP18	FD-404EP20	FD-404EP24	FD-404EP28
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS
6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6 x D	6 x D	6 x D	6 x D	6 x D	6 x D
Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)
1244 **	1245 **	1245 **	705 **	705 **	706 **	706 **	707 **	708 **
15.1	16	16.5	8.6	9.2	10.2	12.2	13.5	15.6
6200	6500	6700	3500	4000	4200	5100	6200	6600
118	130	135	66.5	70	74	98	118	134
14.7 Hrs	12.5 Hrs	11.5 Hrs	190 Hrs	176 Hrs	170 Hrs	158 Hrs	148 Hrs	163 Hrs
6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline	6xD KC Alkaline
398-418	430-450	450-480	120-135	140-155	150-165	160-180	200-220	220-240
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
1 x CR2032	1 x CR2032	1 x CR2032	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)







Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

						
FD-404EP30	FD-404ER12	FD-404ER16	FD-404ER18	FD-404ER20	FD-404ER24	FD-404ER28
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS
6 x D	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)	Ø165x268(H)
708 **	1195 **	1195 **	1195 **	1195 **	1195 **	1195 **
16	12.5	13.1	13.8	14.3	15.1	16
6900	5820	5890	5950	6010	6200	6500
138	82	89	96	104	118	130
160 Hrs	17.3 Hrs	16.3 Hrs	16.3 Hrs	15.8 Hrs	14.7 Hrs	12.5 Hrs
6xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid	6V 3.2Ah Sealed Lead-Acid
230-250	337-357	349-369	360-380	374-394	398-418	430-450
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-404ER30	FD-406DE20	FD-406E12	FD-406E16	FD-406E18	FD-406E20	FD-406E24	FD-406E28	FD-406E30
ON • OFF	Dimmer • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
30 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS
6V 3.2Ah Sealed Lead-Acid	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø165x268(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)
1195 **	514	508	510	510	510	511	511	512
16.5	13.7	9	10.8	11.4	12.7	13.7	16	16.8
6700	6000	3400	3800	4500	5600	5800	12800	13800
135	92.5	67.6	80	85	89	94	131	142
11.5 Hrs	125 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	65 Hrs	62 Hrs
6V 3.2Ah Sealed Lead-Acid	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
450-480	330-350	230-245	255-275	300-320	330-350	360-380	450-480	450-480
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance










Remote Battery Type

FD-406E1W	FD-406Ei12	FD-406Ei16	FD-406Ei18	FD-406Ei20	FD-406Ei24	FD-406Ei28
ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
1 x Cree XP-E 1W	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)
508	532	534	534	534	535	535
7.8	9	10.8	11.4	12.7	13.7	15.7
2700	3400	3800	4500	5600	5800	12500
58.9	67.6	80	85	89	94	130.6
180 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	64 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
290-320	230-245	255-272	300-320	330-350	360-380	450-480
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-406Ei30	FD-406EM12	FD-406EM16	FD-406EM18	FD-406EM20	FD-406EM24	FD-406EM28	FD-406EM30	FD-408DE20
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	Dimmer • OFF
30 x 5mm Nichia 500GS	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x235(H)	Ø127x252(H)
536	548	550	550	550	551	551	552	580
16.7	9	10.8	11.4	12.7	13.7	15.8	16.5	13.7
13500	3400	3800	4500	5600	5800	12600	13200	6000
140.4	67.6	80	85	89	94	131.6	135.6	92.5
61 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	63 Hrs	60 Hrs	125 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
450-480	230-245	255-272	300-320	330-350	360-380	450-480	450-480	330-350
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Can protect against splashing water for 10 mins
2 x AAA	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-408E12

FD-408E16

FD-408E18

FD-408E20

FD-408E24

FD-408E28

FD-408E30

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

12 x 5mm Nichia
500GS

16 x 5mm Nichia
500GS

18 x 5mm Nichia
500GS

20 x 5mm Nichia
500GS

24 x 5mm Nichia
500GS

28 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

4 x D

4 x D

4 x D

4 x D

4 x D

4 x D

4 x D

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

Ø127x252(H)

574

576

576

576

577

577

578

9

10.8

11.4

12.7

13.7

16

16.8

3400

3800

4500

5600

5800

12800

13800

67.6

80

85

89

94

131

142

150 Hrs

141 Hrs

135 Hrs

128 Hrs

110 Hrs

65 Hrs

62 Hrs

4xD KC Alkaline

4xD KC Alkaline

4xD KC Alkaline

4xD KC Alkaline

4xD KC Alkaline

4xD KC Alkaline

4xD KC Alkaline

230-245

255-275

300-320

330-350

360-380

450-480

450-480

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

IPX4. Can protect
against splashing
water for 10 mins

N • A

N • A

N • A

N • A

N • A










N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-408E1W	FD-408Ei12	FD-408Ei16	FD-408Ei18	FD-408Ei20	FD-408Ei24	FD-408Ei28	FD-408Ei30	FD-408EM16
ON • OFF	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote
1 x Cree XP-E 1W	12 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS	18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	16 x 5mm Nichia 500GS
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)
574	598	600	600	600	601	601	602	616
7.8	9	10.8	11.4	12.7	13.7	15.7	16.7	10.8
2810	3400	3800	4500	5600	5800	12500	13500	3800
65.2	67.6	80	85	89	94	130.6	140.4	80
173 Hrs	150 Hrs	141 Hrs	135 Hrs	128 Hrs	110 Hrs	64 Hrs	61 Hrs	141 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
300-320	230-245	255-275	300-320	330-350	360-380	450-480	450-480	255-275
IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
N • A	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	1 x CR2032

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

FD-408EM18	FD-408EM20	FD-408EM24	FD-408EM28	FD-408EM30	FD-408VE0.5W	FD-408VE1W
ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF • Remote	ON • OFF	ON • OFF
18 x 5mm Nichia 500GS	20 x 5mm Nichia 500GS	24 x 5mm Nichia 500GS	28 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS	1 x LG 0.5W	1 x Cree XP-E 1W
4 x D	4 x D	4 x D	4 x D	4 x D	4 x D	4 x D
Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)	Ø127x252(H)
616	616	617	617	618	567	565
11.4	12.7	13.7	15.8	16.5	4.7	8.1
3800	5600	5800	12600	13200	1700	3010
85	89	94	131.6	135.6	32.5	66.5
135 Hrs	128 Hrs	110 Hrs	63 Hrs	60 Hrs	270 Hrs	174 Hrs
4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xD KC Alkaline
300-320	330-350	360-380	450-480	450-480	105-115	290-320
IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	1 x CR2032	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

				
FD-408VEM1W	FD-551VE19	FD-551VE1W	FD-551SVE1W	
ON • OFF • Remote	Low • High • OFF	Low • High • OFF	Low • High • OFF	
1 x Cree XP-E 1W	19 x 5mm Nichia 500GS	1 x Cree XP-E 1W	1 x Cree XP-E 1W	
4 x D	3.6V 500mAh Ni-MH	3.6V 500mAh Ni-MH	3.6V 500mAh Ni-MH	
Ø127x252(H)	114(L)x105(W)x197(H)	114(L)x105(W)x197(H)	114(L)x105(W)x197(H)	
590	453	418	450	
8.1	9.6	9.3	9.3	
3010	High: 10500 Low: 8500	High: 12000 Low: 10500	High: 12000 Low: 10500	
66.4	D1 - High: 5.2 • Low: 2.4	D3 - High: 17 • Low: 15	D1 - High: 5.6 • Low: 4.2	D3 - High: 13 • Low: 8.7
175 Hrrs	D1 - High: 1.5mins • Low: 2.5mins	D3 - High: 2mins • Low: 3.5mins • DC5V (10 Hrs fully charge) - High: 5.5 Hrs • Low: 8 Hrs	D1 - High: 1min • Low: 3mins	D3 - High: 2mins • Low: 6mins • DC5V (10 Hrs fully charge) - High: 3 Hrs • Low: 5 Hrs
4xD KC Alkaline	3.6V 500mAh Ni-MH	3.6V 500mAh Ni-MH	3.6V 500mAh Ni-MH	
290-320	DC 3.6V - High: 55-65 • Low: 35-45	DC 3.6V - High: 510-530 • Low: 100-110	DC 3.6V - High: 510-530 • Low: 100-110	
IPX4. Can protect against splashing water for 10 mins	N • A	N • A	N • A	
1 x CR2032	N • A	N • A	N • A	

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

Om Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-553VE19

Low • High • OFF

19 x 5mm Nichia 500GS

3.6V 500mAh Ni-MH

114(L)x105(W)x205(H)

456

9.6

High: 10500
Low: 8500

D1 - High: 7.7 • Low:
4.5

D3 - High: 13 • Low:
8.7

D1 - High: 1.5min •
Low: 13mins

D3 - High: 3.5mins •
Low: 6mins •
DC5V (10 Hrs fully
charge) - High: 4.5
Hrs • Low: 7 Hrs

3.6V 500mAh Ni-MH

DC 3.6V - High: 50-70 • Low: 40-50

N • A

N • A



FD-553VE0.5W

Low • High • OFF

1 x LG 0.5W

3.6V 500mAh Ni-MH

114(L)x105(W)x205(H)

418

8.4

High: 9500
Low: 7500

D1 - High: 7.2 • Low:
5

D3 - High: 11.5 • Low:
7.2

D1 - High: 2mins •
Low: 3.5mins

D3 - High: 3.5mins •
Low: 8mins •
DC5V (10 Hrs fully
charge) - High: 3 Hrs •
Low: 5 Hrs

3.6V 500mAh Ni-MH

DC 3.6V - High: 510-530 • Low: 100-110

N • A

N • A



FD-553VE1W

Low • High • OFF

1 x Cree XP-E 1W

3.6V 500mAh Ni-MH

114(L)x105(W)x205(H)

418

9.4

High: 12000
Low: 10500

D1 - High: 11.2 • Low:
8

D3 - High: 18.2 • Low:
14.2

D1 - High: 1.5mins •
Low: 3.5mins

D3 - High: 2.5mins •
Low: 9.5mins •
DC5V (10 Hrs fully
charge) - High: 3 Hrs
• Low: 5 Hrs

3.6V 500mAh Ni-MH

DC 3.6V - High: 510-530 • Low: 100-110

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

TECH SPECS: HEADLIGHTS

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-101

FD-182E4

FD-182E7

FD-186E4

FD-186E7

FD-601N

Low (1 LED) • High (3 LEDs) • Red • Flash (2 Red LEDs) • OFF

ON • OFF

ON • OFF

ON • OFF

ON • OFF

Low • High • Red LED ON • Red LED Flash • OFF

3 x 5mm Nichia 500GS • 2 x 3mm Red LED

4 x 5mm Nichia 500GS

7 x 5mm Nichia 500GS

4 x 5mm Nichia 500GS

7 x 5mm Nichia 500GS

3 x 5mm White Nichia 500GS + 2 x Red LED

1 x AAA

2 x AA

2 x AA

2 x AA

2 x AA

3 x AAA

56(L)x40(W)x150(H)

82x62x60

82x62x60

67x73x52

67x73x52

55(L)x43(W)x40(H)

36

80

81

101

101

41

4.3

29

32.9

29

32.9

24.1

3 LEDs (White): 18000

58000

63000

58000

58000

Low: 21000 • High: 47000

3 LEDs (White): 8.6

31.2

34.8

31.2

34.8

Low: 10.7 • High: 25

Low: 10 Hrs • High: 3 Hrs • Red: 8 Hrs • Red Flashing: 18 Hrs

35 Hrs

28 Hrs

35 Hrs

28 Hrs

Low: 92 • High: 35

1xAAA KC Alkaline

2xAA KC Alkaline

2xAA KC Alkaline

2xAA KC Alkaline

2xAA KC Alkaline

3xAAA KC Alkaline

Low: 50 • High: 150 • Red LEDs: 80 • Flash (2 Red LEDs): 80

205-215

220-230

205-215

220-230

White Low: 25-30 • White High: 75-85 • Red: 40-45

IPX4. Protected against splashing water for 10 mins

IPX4. Protected against splashing water for 10 mins

IPX4. Protected against splashing water for 10 mins

IPX4. Protected against splashing water for 10 mins

IPX4. Protected against splashing water for 10 mins

N • A

N • A

N • A

N • A

N • A

N • A

N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)







Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

					
FD-602H	FD-683	FD-683L	FD-685E0.3W	FD-685E0.5W	FD-686
ON • OFF	Low • High • Bulb • OFF	Low • High • Red LED Flash • OFF	Low (2 LEDs) • Medium (0.3W LED) • High (All LED) • Red • Red Flash • OFF	Low (2 LEDs) • Medium (0.5W LED) • High (All LED) • Red • Red Flash • OFF	Low (1 LED) • Medium (3 LEDs) • High (1W LED) • OFF
3 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS • 1 x 3.3V 0.3A Krypton Bulb	3 x 5mm Nichia 500GS • 1 x Red LED	1 x LG 0.3 W LED • 2 x 5mm Nichia 500GS • 2 x Red LED	1 x LG 0.5 W LED • 2 x 5mm Nichia 500GS • 2 x Red LED	3 x 5mm Nichia 500GS • 1 x Cree 1W LED
3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA
62(L)x45(W)x43.5(H)	72.5(L)x44(W)x61(H)	72.5(L)x44(W)x61(H)	60(L)x40(W)x38(H)	60(L)x40(W)x38(H)	60(L)x52(W)x42(H)
52	88	88	49	49	50
20.8	5.3	25	21.6	32.6	71.1
16000	Low: 24000 • High: 54000 • Bulb: 12000	Low: 28000 • High: 33000	Low: 1800 • Medium: 4200 • High: 5300	Low: 1800 • Medium: 6500 • High: 7500	Low: 13000 • Medium: 23000 • High: 186000
34.4	High: 14.6 • Low: 5.1 • Bulb: 0.3	High: 11.6 • Low: 4.8	Low: 8.5 • Medium: 12.5 • High: 20.8	Low: 8.6 • Medium: 23.7 • High: 31.2	Low: 2.5 • Medium: 6.5 • High: 63.9
26 Hrs	High: 22 Hrs • Low: 28 Hrs • Bulb: 2.5 Hrs	High: 25 Hrs • Low: 53 Hrs	Low: 43 Hrs • Medium: 23 Hrs • High: 18 Hrs	Low: 45 Hrs • Medium: 18 Hrs • High: 15 Hrs	Low: 106 Hrs • Medium: 56 Hrs • High: 7 Hrs
3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline
10 - 20	High: 80-90 • Low: 30-40 • Bulb: 280-300	High: 70-80 • Low: 30-40	Low: 35-45 • Medium: 70-80 • High: 110-120	Low: 35-45 • Medium: 120-130 • High: 160-170	Low: 25-30 • Medium: 65-75 Hrs • High: 300-320
N • A	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Can protect against splashing water for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.



FD-689	FD-691	FD-691E6	FD-691E1W	FD-696	FD-697
Low • High • Bulb • OFF	LED • Bulb • OFF	LED • Bulb • OFF	ON • OFF	Red (1 LED) • Green (1 LED) • Low (0.5W LED) • High (0.5W LED) • OFF	Low • High • OFF
3 x 5mm Nichia 500GS • 1 x 3.3V 0.3A Krypton Bulb	3 x 5mm Nichia 500GS • 1 x 3.3V 0.3A Krypton Bulb	6 x 5mm Nichia 500GS • 1 x 3.3V 0.3A Krypton Bulb	1 x Cree XP-E 1W	2 x 5mm Nichia 500GS (Red & Green) • 1 x LG 0.5W LED	7 x 5mm Nichia 500GS
3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA
72.5(L)x44(W)x61(H)	71(L)x48(W)x63(H)	71(L)x48(W)x63(H)	71(L)x48(W)x63(H)	60(L)x50(W)x40(H)	50(L)x66(W)x38(H)
89	85	86	85	46	56
35.5	35	36	20	27	24.3
Low: 25000 • High: 55000 • Bulb: 11300	LED: 54000 • Bulb: 12000	LED: 37500 • Bulb: 16800	30200	Red: 1100 • Green: 2400 • Low: 35000 • High: 66000	Low: 23000 High: 51000
High: 15 Low: 5.3 Bulb: 13.5	LED: 14.6 Bulb: 13.3	LED: 23.6 • Bulb: 13.8	60.5	Red: 0.25 • Green: 0.64 • Low: 6 • High: 10.8	High: 23.5 Low: 6.5
High: 21 Hrs • Low: 35 Hrs • Bulb: 2 Hrs	LED: 28 Hrs Bulb: 2 Hrs	LED: 22 Hrs Bulb: 2 Hrs	12 Hrs	Red: 244 Hrs • Green: 163 Hrs • Low: 48 Hrs • High: 23 Hrs	High: 6 Hrs Low: 18 Hrs
3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline
High:70-85 • Low: 25-30 • Bulb: 290-310	LED: 70-80 • Bulb: 290-310	LED: 110-120 • Bulb: 290-310	290-310	Red: 18-22 • Green: 118-22 • Low: 30-40 • High: 125-135	High:120-130 • Low: 65-75
IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Floating and protected against splashing for 10 mins	IPX4. Can protect against splashing water for 10 mins	IPX4. Floating and protected against splashing for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.

TECH SPECS: FLASHLIGHTS

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-1064

ON • Flash • OFF

3 x 5mm Nichia 500GS

3.6V 80mAh Ni-MH

61(L)x144(W)x42.5(H)

141

15.8

D1 - 9000

D3 - 10200

D1 - 13.7

D3 - 18.3

D1 - ON: 7 mins •
Flash: 5 mins

D3 - ON: 12 mins •
Flash: 17 mins

3.6V 80mAh Ni-MH

70-80

IPX7. Can be used under 10m water for 10mins

N • A

FD-1065

Low (3 LEDs) • High (0.3W LED+3 LEDs) •
Flash (0.3W LED+3 LEDs) • OFF

3 x 5mm Nichia 500GS • 1 x LG 0.3W

3.6V 80mAh Ni-MH

Ø49.5x143.5(L)

136

57.4

D1 - Low: 9000 •
High or Flash: 18800

D3 - Low: 10200 •
High or Flash: 23000

D1 - 3 LEDs ON: 6.1
• All ON or Flash: 12.2

D3 - 3 LEDs ON: 8.8
• All ON or Flash: 21.2

D1 - Low: 6 mins •
High: 2 mins • Flash:
5 mins

D3 - Low: 14 mins •
High: 7 mins • Flash:
17 mins

3.6V 80mAh Ni-MH

ON: 70-80 • Flash: Max80mA

IPX7. Can be used under 10m water for 10mins

N • A

FD-1066

Low (3 LEDs) • High (1W LED) • Flash (1W
LED) • OFF

3 x 5mm Nichia 500GS • 1 x Cree XP-E 1W

3.6V 330mAh Ni-MH

Ø66x156.5(L)

211

77

D1 - Low: 6500 •
High or Flash: 18800

D3 - Low: 7500 •
High or Flash: 27000

D3 - 3 LEDs ON: 21.5 • All ON: 73.2

D1 - Low: 19 mins •
High: 2 mins • Flash:
10 min

D3 - Low: 26 mins •
High: 4 mins • Flash:
15 mins

3.6V 330mAh Ni-MH

Low: 60-70 • High: 380-420

IPX7. Can be used under 10m water for 10mins

N • A

FD-1067

3 pcs 5mm LED ON •
1W LED ON • 1W LED
Flash • OFF

3 x 5mm Nichia
500GS • 1 x Cree XP-
E 1W

3.6V 330mAh Ni-MH

Ø64x159(L)

166

149.6

3x5mm LED ON: 16000
• 1W LED ON: 52000

3x5mm LED ON: 21.6
• 1W LED ON: 73.7

3x5mm LED ON: 6
Hrs 50 mins • 1W LED
ON: 1.5 Hrs

3.6V 330mAh Ni-MH

3x5mm LED ON:
60-70 • 1W LED ON:
300-320




IPX7. Can be used
under 10m water for
10mins

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-1270E7	FD-1287E1	FD-1287E3	FD-1287E4	FD-1287E5	FD-1287E6	FD-1287E0.3W	FD-1287E0.5W	FD-1288E1
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
7 x 5mm Nichia 500GS	1 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x 5mm Nichia 500GS
3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA
Ø50x149(L)	Ø38x190(L)	Ø38x190(L)	Ø38x190(L)	Ø38x190(L)	Ø38x190(L)	Ø38x190(L)	Ø38x190(L)	Ø38x196(L)
215	67	67	67	67	67	67	67	68
36	23.9	32.4	32.3	42.8	44	42.6	57.2	23.8
90000	46800	124000	135000	178000	196000	34800	60000	47000
34.8	9.1	24	31.7	39.5	44.4	13.5	22.3	9
43 Hrs	127 Hrs	36 Hrs	28 Hrs	24 Hrs	18 Hrs	43 Hrs	38 Hrs	130 Hrs
3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline
180-200	30-35	90-100	130-140	160-170	190-210	70-80	120-130	30-35
IPX7. Can be used under 10m water for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon
Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)








Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance






Remote Battery Type

						
FD-1288E3	FD-1288E4	FD-1288E5	FD-1288E6	FD-1288E0.3W	FD-1288E0.5W	FD-184E0.3W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x LG 0.3W
3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	3 x AA	4 x AA
Ø38x196(L)	Ø38x196(L)	Ø38x196(L)	Ø38x196(L)	Ø38x196(L)	Ø38x196(L)	Ø60.5x154(L)
68	68	68	68	68	68	183
32.4	32	43	44	42.5	57.3	45.6
125000	133000	180000	28000	34500	61000	5000
24	31.5	39.7	44.5	13	22	4
37 Hrs	28 Hrs	23 Hrs	18 Hrs	43 Hrs	37 Hrs	LED ON: 235 Hrs • Radio (Vol Min): 57 Hrs
3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	4xAA KC Alkaline
90-100	130-140	160-170	190-210	70-80	120-130	LED ON: 80-90 • Radio(Vol Min): 120 (Vol 100DB)
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Protected against splashing water for 10 mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

								
FD-184E0.5W	FD-184E1W	FD-202E1	FD-202E3	FD-202E4	FD-202E5	FD-202E6	FD-202E0.3W	FD-202E0.5W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
1 x LG 0.5W	1 x Cree XP-E 1W	1 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W
4 x AA	4 x AA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA
Ø60.5x154(L)	Ø60.5x154(L)	Ø38x97(L)	Ø38x97(L)	Ø38x97(L)	Ø38x97(L)	Ø38x97(L)	Ø38x97(L)	Ø38x97(L)
183	187	40	40	40	41	41	40	40
44	76	16.1	24.6	32.9	34	38.9	37.9	41.5
6800	36800	33000	100000	131000	140000	178000	28000	37600
10.3	68.3	9.2	21.4	31.3	38	42.5	13	21.6
LED ON: 308 Hrs • Radio (Vol Min): 57 Hrs	LED ON: 8 Hrs • Radio (Vol Min): 57 Hrs	66 Hrs	16.5 Hrs	14 Hrs	13 Hrs	11 Hrs	36 Hrs	30 Hrs
4xAA KC Alkaline	4xAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline
LED ON: 140-160 • Radio: 120 (Vol 100DB)	LED ON: 300-320 • Radio: 120 (Vol 100DB)	30-35	90-100	130-140	160-170	190-210	70-80	120-130
IPX4. Protected against splashing water for 10 mins	IPX4. Protected against splashing water for 10 mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

FD-217E1	FD-217E3	FD-217E4	FD-217E5	FD-217E6	FD-217E0.3W	FD-217E0.5W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
1 x 5mm Nichia 500GS	3 x 5mm Nichia 500GS	4 x 5mm Nichia 500GS	5 x 5mm Nichia 500GS	6 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W
3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA
Ø39x102(132)	Ø39x102(132)	Ø39x102(132)	Ø39x102(132)	Ø39x102(132)	Ø39x102(132)	Ø39x102(132)
72	72	72	73	73	72	72
16.2	24.5	32.8	34.2	38.8	37.8	41.6
33500	102000	132000	142000	175000	28100	37800
9.3	21.5	31.4	38.1	42.4	13.1	21.8
65 Hrs	16 Hrs	14 Hrs	13 Hrs	11 Hrs	36 Hrs	30 Hrs
3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline
30-35	90-100	130-140	160-170	190-210	70-80	120-130
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

							
FD-2187E1	FD-2187E0.3W	FD-2187E0.5W	FD-2188E1	FD-2188E0.3W	FD-2188E0.5W	FD-261DC	FD-261DC0.3W
ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF	ON • OFF
1 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x 5mm Nichia 500GS	1 x LG 0.3W	1 x LG 0.5W	1 x LG 0.3W	1 x Cree XP-E 1W
3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3 x AAA	3.6V 230mAh Ni-MH	3.6V 230mAh Ni-MH
Ø39.5x103(L)	Ø39.5x103(L)	Ø39.5x103(L)	Ø39.5x103(L)	Ø39.5x103(L)	Ø39.5x103(L)	123(L)x48(W)x30(H)	123(L)x48(W)x30(H)
42.5	42.5	42.5	43.5	43.5	43.5	33	33
16.1	37.9	41.6	16	37.2	41.2	18	27
32800	28000	37800	32500	27500	37500	24000	53000
9.2	13	21.8	9	12.6	22	11.9	40.3
65 Hrs	36 Hrs	28 Hrs	66 Hrs	35 Hrs	30 Hrs	20 Hrs	16 Hrs
3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3xAAA KC Alkaline	3.6V 230mAh Ni-MH	3.6V 230mAh Ni-MH
30-35	70-80	120-130	30-35	70-80	120-130	35-40	70-80
IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	N • A	N • A
N • A	N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.



Flying Dragon Development Limited

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-550E0.3W

High • Low • OFF

1 x LG 0.3W

3.6V 500mAh Ni-MH

235(L)x80(W)x113(H)

422

83.5

High: 19000
Low: 11800

D1 - High: 7.8 • Low: 4.6

D1 - High: 6.5min • Low: 12.5min • Radio Vol Min: 11min

3.6V 500mAh Ni-MH

DC 3.6V - High: 90 • Low: 40 • Radio (Vol 100Db): 120

N • A

N • A



FD-550E1W

High • Low • OFF

1 x Cree XP-E 1W

3.6V 500mAh Ni-MH

235(L)x80(W)x113(H)

422

86.5

High: 19000
Low: 12800

D1 - High: 14 • Low: 5.5

D1 - High: 5mins • Low: 10 mins • Radio Vol Min: 11mins

3.6V 500mAh Ni-MH

DC 3.6V - High: 90 • Low: 40 • Radio (Vol 100Db): 120

N • A

N • A



FD-556

Low • High • OFF

3 x 5mm Nichia 500GS

3.6V 80mAh Ni-MH

80(L)x51(W)x50(H)

110

14

High: 18000
Low: 11000

D1 - High: 3.4 • Low: 2

D1 - High: 4mins • Low: 8.5mins

3.6V 80mAh Ni-MH

DC 3.6V - High: 45-60 • Low: 10-20

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.



FD-557E0.3W		FD-557E3		FD-559		FD-8388E1
High • Low • OFF		High • Low • OFF		High • Low • OFF		ON • OFF
1 x LG 0.3W		3 x 5mm Nichia 500GS		3 x 5mm Nichia 500GS		1 x 5mm Nichia 500GS
3.6V 80mAh Ni-MH		3.6V 80mAh Ni-MH		3.6V 80mAh Ni-MH		2.4V 280mAh Ni-Cd
78(L)x46(W)x39(H)		78(L)x46(W)x39(H)		85(L)x50(W)x37.5(H)		180(L)x66(H)
98		100		85		165
20		20		20		5.8
High: 69000 Low: 27000		High: 26000 Low: 37600		High: 26000 Low: 37600		19000
D1 - High: 11.6 • Low: 6.3	D3 - High: 17.9 • Low: 8.6	D1 - High: 14.8 • Low: 7.5	D3 - High: 23.6 • Low: 10.4	D1 - High: 14.8 • Low: 7.5	D3 - High: 23.6 • Low: 10.4	7.8
D1 - High: 2.5mins • Low: 8.5mins	D3 - High: 7mins • Low: 16mins	D1 - High: 4.5mins • Low: 11.5mins	D3 - High: 10 mins • Low: 20.5mins	D1 - High: 4.5mins • Low: 11.5mins	D3 - High: 10 mins • Low: 20.5mins	4 Hrs
3.6V 80mAh Ni-MH		3.6V 80mAh Ni-MH		3.6V 80mAh Ni-MH		2.4V 280mAh Ni-Cd
DC 3.6V - High: 90-100 • Low: 30-40		DC 3.6V - High: 90-100 • Low: 30-40		DC 3.6V - High: 90-100 • Low: 30-40		25-30
N • A		N • A		N • A		N • A
N • A		N • A		N • A		N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.

TECH SPECS: SPOTLIGHTS

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)




Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type

						
FD-082E20	FD-082E0.5W	FD-083E20	FD-083E0.5W	FD-209E0.5W	FD-209E1W	FD-219E0.3W
High • Low • Red LED Flash • OFF	High • Low • Red LED Flash • OFF	High • Low • Red LED Flash • OFF	High • Low • Red LED Flash • OFF	ON • OFF	ON • OFF	ON • OFF
20 x 5mm Nichia 500GS • 1 x Red LED	1 x LG 0.5W • 1 x Red LED	20 x 5mm Nichia 500GS • 1 x Red LED	1 x LG 0.5W • 1 x Red LED	1 x LG 0.5W	1 x Cree XP-E 1W	1 x LG 0.3W
2 x D	2 x D	3 x AA	3 x AA	4 x D	4 x D	4 x AA
Ø80x275(H)	Ø80x275(H)	Ø80x240(H)	Ø80x240(H)	Ø105x158(219)	Ø105x158(219)	Ø70x125(158)
320	316	230	230	556	560	210
41.6	90	41.5	60.5	69.5	98	38.9
High: 7300 Low: 5800	High: 8200 Low: 2400	High: 7500 Low: 5700	High: 3500 Low: 1500	30000	72500	16000
High: 79.8 Low: 45.7	High: 13.7 Low: 3.1	High: 79.7 Low: 44.6	High: 26.4 Low: 5.3	29.2	73.2	14.3
High: 10 Hrs Low: 13 Hrs	High: 59 Hrs Low: 142 Hrs	High: 12 Hrs Low: 20 Hrs	High: 38 Hrs Low: 120 Hrs	362 Hrs	175 Hrs	60 Hrs
2xD KC Alkaline	2xD KC Alkaline	3xAA KC Alkaline	3xAA KC Alkaline	4xD KC Alkaline	4xD KC Alkaline	4xAA KC Alkaline
High: 650-670 Low: 500-520	High: 160-180 Low: 30-40	High: 350-380 Low: 160-180	High: 120-130 Low: 25-35	120-130	300-320	70-80
N • A	N • A	N • A	N • A	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins	IPX4. Floating and protected against splashing for 10mins
N • A	N • A	N • A	N • A	N • A	N • A	N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

						
FD-219E0.5W	FD-3611E30A	FD-3611E30P	FD-3611ER30	FD-4001	FD-SL01	FD-QH-11E99
ON • OFF	White LED ON • OFF or Red LED Flash • OFF	ON • OFF	White LED ON • OFF or Red LED Flash • OFF	High • Low • Flash • OFF	Low • High • OFF	Low • OFF • High
1 x LG 0.5W	30 x 5mm Nichia 500GS • 3 x Red LED	30 x 5mm Nichia 500GS	30 x 5mm Nichia 500GS • 3 x Red LED	5 x 5mm Nichia 500GS	1 x LG 3W	99 x 5mm Nichia 500GS
4 x AA	3 x D	3 x D	6V 3.2Ah Sealed Lead-Acid	3 x AAA	8 x AA	DC 12V Direct plug-in
Ø70x125(158)	Ø117x85x310(L)	Ø117x85x310(L)	Ø117x85x310(L)	82(L)x86(W)x30(H)	Ø86x173(L)x173(H)	Ø196x567(H)
210	536	527 **	984 **	37	445	720
57.6	64	64.4	61.3	15	307	118.3
22500	22600	22300	28000	High: 45000 Low: 17600	Low: 48000 High: 102100	High: 40000 Low: 38000
23.8	128	126	120.3	High: 24.4 Low: 8.2	High: 158 Low: 76	High: 476 • Low: 280.5
40 Hrs	White LED: 51 Hrs • Red LED: 280 Hrs	52 Hrs	White LED: 11 Hrs • Red LED: 210 Hrs	High: 24 Hrs Low: 71 Hrs	High: 18 Hrs Low: 37 Hrs	
4xAA KC Alkaline	3xD KC Alkaline	3xD KC Alkaline	6V 3.2Ah Sealed Lead-Acid	3xAAA KC Alkaline	8xAA KC Alkaline	
120-130	White LED: 460-500 • Red Led Flash: 70- MAX	460-490	White LED: 450-480 • Red Led Flash: 70- MAX	High: 100-120 Low: 20-40	High: 900-1A • Low: 320-350	High: 640-660 • Low: 380-400
IPX4. Floating and protected against splashing for 10mins	N • A	N • A	N • A	N • A	IPX4. Can protect against splashing water for 10 mins	N • A
N • A	N • A	N • A	N • A	N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.

TECH SPECS: AIR PUMPS

Product Image *

Model No.

Size (mm)

Weight (g)

Power Source

Rechargeable (Y/N)

Inflation time (mins)**

Air Flow (m³/min)

Air Pressure

Current (A)

Power (W)

						
FD-104D	FD-127	FD-128	FD-168	FD-180	FD-188	FD-189R
127(L) x (105(W) x 137(H)						
260						
4 x 'D' size batteries	12V DC	12V DC	120V AC	120V AC	120V AC or 230V AC	4.8V 1300mAh Ni-Cd
No	No	No	No	No	No	Yes
4	1.5	3.5	4	4.5	2	4.8V 1300mAh Ni-Cd
0.23	0.6	0.27	0.23	0.2	0.45	0.23
0.014 bar 0.20 psi	0.03 bar 0.44 psi	0.05 bar 0.77 psi	0.05 bar 0.70 psi	0.03 bar 0.40 psi	0.11 bar 1.54 psi	0.02 bar 0.26 psi
4.5	3.96	8.4-8.7			0.94	
27	15.8	10.8-104.4			216.2	

* Images are for reference only, actual outlook may vary.

** Tested inflating a 0.9m³ air bed.



FD-271R	FD-273R	FD-273RA	FD-373R	FD-830	FD-886	FD-1289	FD-2088
	219(L)x91(W)x142(H)	219(L)x91(W)x142(H)	125(L)x98(W)x119.5(H)				125(L)x98(W)x124.5(H)
	1370	1370	380				205
SC-1300mAh Ni-Cd	6V 4Ah Sealed Lead-Acid	6V 4Ah Sealed Lead-Acid	2.4V 1300mAh Ni-Cd	120V AC	120V AC	12V DC	12V DC
Yes	Yes	Yes	Yes	No	No	No	No
4	3		2.5	2		2.5	2
0.23	0.3	0.42	0.32	0.45	0.38	0.36	0.45
0.02 bar 0.26 psi	0.02 bar 0.30 psi	0.035 bar 0.51 psi	0.022 bar 0.32 psi	0.02 bar 0.29 psi	0.022 bar 0.32 psi	0.02 bar 0.35 psi	0.02 bar 0.30 psi
	5.35	14.8		0.94			4
	32	88.8		112.8			48

TECH SPECS: POWER TANKS

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)

Runtime (Hours) ***

Runtime Testing Battery

Current (mA)

Water Resistance

Remote Battery Type



FD-2007USB

FD-2012USB

FD-2017BE30

ON • OFF (Spotlight)

ON • OFF (Spotlight)

ON • OFF (Spotlight)

30 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

30 x 5mm Nichia
500GS

12V 7Ah Sealed
Lead-Acid

12V 12Ah Sealed
Lead-Acid

12V 17Ah Sealed
Lead-Acid

287(L)x132(W)x236(H)

320(L)x132(W)x302(H)

344(L)x132(W)x355(H)

3250

5200

7550

77.4

77

78

52600

53200

53600

192

192

195

26 Hrs

45 Hrs

60 Hrs

12V 7Ah Sealed
Lead-Acid

12V 12Ah Sealed
Lead-Acid

12V 17Ah Sealed
Lead-Acid

210-230

210-230

210-230

N • A

N • A

N • A

N • A

N • A

N • A

* Images are for reference only, actual outlook may vary.

** Weight includes car plug cable.

*** D1 = Dynamo for 1 min. D3 = Dynamo for 3 mins.

Product Image *

Model No.

Function

Bulb Type ****

Battery Type

Size (mm)

Weight (g)

Beam Distance (m)

0m Illumination (Lux)

Lumens (lm)




Runtime (Hours) ***

Runtime Testing Battery

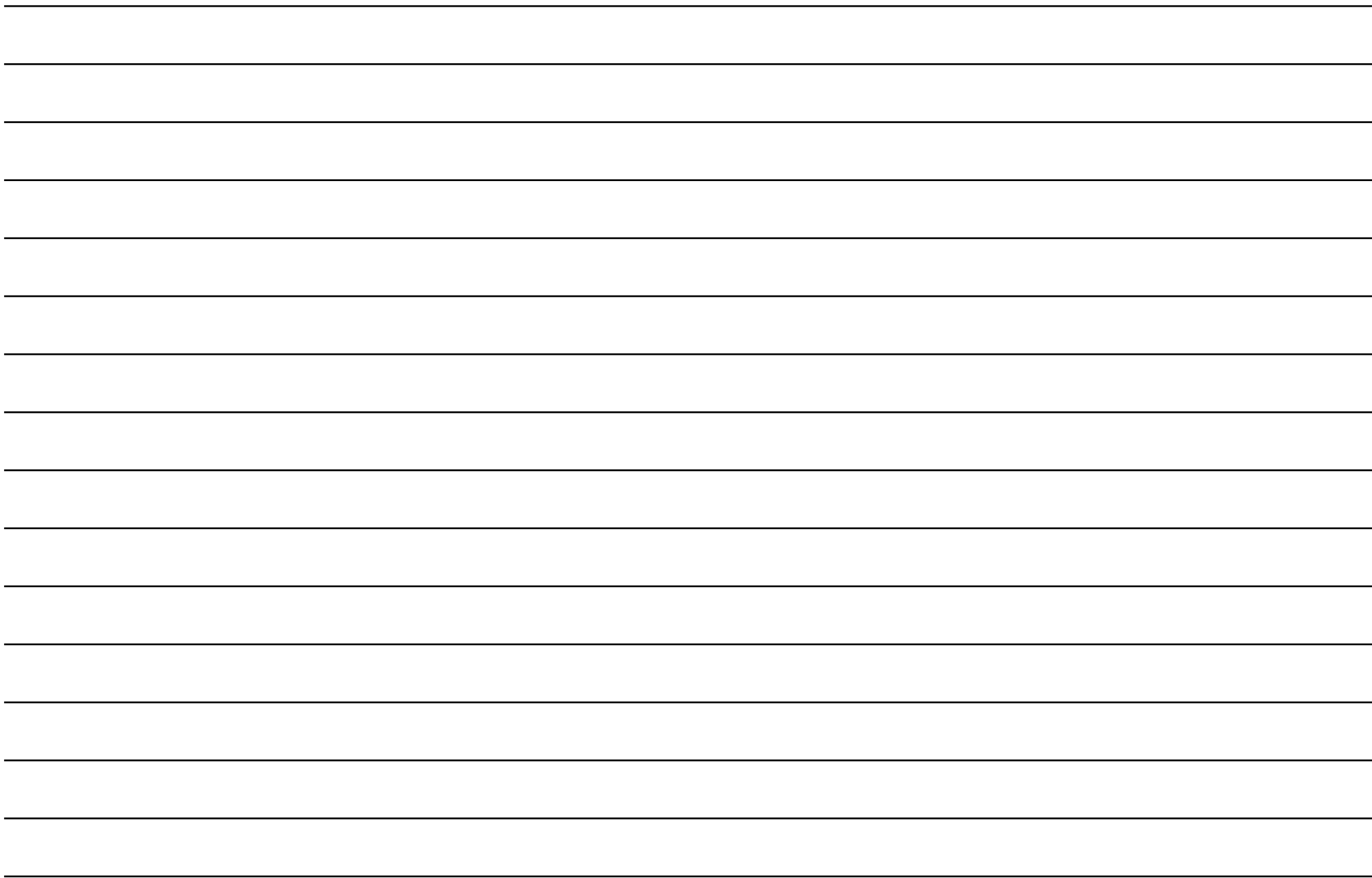
Current (mA)

Water Resistance

Remote Battery Type

		
FD-BL01	FD-102	FD-397
ON • OFF	ON • Flash • OFF	ON • OFF
1 x LG 0.3W	3 x 3528 Red LED	2 x 5mm LED
2 x AAA	1 x CR2032	3 x LR44
34(W)x309(L)	34(L)x34(W)x17(H)	Ø49x59(H)
34	11	38
12.8	0.3	0.4
74000	ON: 50	2
14.6	Cannot take value as value is too small	Cannot measure as illumination too low
3 Hrs	ON: 6 Hrs / Flash: 20 Hrs	3 x LR44
2xAAA KC Alkaline	1xCR2032	16
150-170	22-25	30-35
N • A	N • A	N • A
N • A	N • A	N • A

**** Clients may select alternative LEDs from those listed here according to their requirements.





Flying Dragon Development Limited

With over 40 years of manufacturing experience, Flying Dragon is well versed in the production of both metal and plastic consumer electronics. Specialising in lighting, we have the skills and capacity to bring our clients the highest quality products at the best possible value.

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