

WISDOM

PRODUCTS
TECHNICAL DATA SHEET

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Wise Lite 2

MSHA Certified Explosion-proof LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 5Vdc

167 lumens (8,500 Lux) and 16 hours long lasting in high brightness mode

203 yards (185 meters) illuminating range

140 illuminating degrees

S.O.S effect



19-A160002-0



Wisdom Lamp 3

UL & CSA Class I Div 1 Certified Explosion-proof LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 104°F (40°C)

5 hours charge time upon 5V input

240 lumens (11,000 Lux) and 13 hours long lasting in high brightness mode

230 yards (210 meters) illuminating range

120 illuminating degrees

S.O.S effect

Comply with standard UL 913 & CSA C22.2 No. 157-92



801112

I.S. Exi, CL I, Div.1, Grps C and D, T4
-20°C ≤ Ta ≤ 40°C



Wisdom Lamp 3

ATEX ib Gb Certified Explosion-proof LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 104°F (40°C)

5 hours charge time upon 5V input

240 lumens (11,000 Lux) and 13 hours long lasting in high brightness mode

230 yards (210 meters) illuminating range

120 illuminating degrees

S.O.S effect



II 2G Ex ib op is IIB T4 Gb
-20°C ≤ Ta ≤ 40°C



Wisdom Lamp 3

CE Electrical Safety Certified LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

5 hours charge time upon 5V input

265 lumens (12,000 Lux) and 13 hours long lasting in high brightness mode

240 yards (220 meters) illuminating range

120 illuminating degrees

S.O.S effect



Wisdom Lamp 4

UL & CE Electrical Safety Certified LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Three operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

5 hours charge time upon 5V input

533 lumens (25,000 Lux) and 5 hours lasting in high brightness mode, 60 hours in low mode

346 yards (316 meters) illuminating range

120 illuminating degrees

S.O.S effect



Wisdom Lamp 6

ATEX ia Ma & IECEx Ex ia Ma Certified
Explosion-proof LED Headlight



Specifications

Length 3.311"(84.1 mm) * Width 2.700"(68.6 mm) * Depth 1.960" (49.8 mm)

0.37 lbs (169 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Rotatable and mountable clip onto helmet

Rechargeable appliance with dual Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from 32°F (0°C) to 104°F (40°C)

5.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 6.8Vdc

240 lumens (11,000 Lux) and 13 hours long lasting in high brightness mode

230 yards (210 meters) illuminating range

120 illuminating degrees

S.O.S effect



I M1 Ex ia op is I Ma EN 60079-35-1
(0°C ≤ Ta ≤ 40°C)



Ex ia op is I Ma IEC 60079-35-1
(0°C ≤ Ta ≤ 40°C)



KL5M

MSHA Certified Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 3.464"(88.0 mm)

1.09 lbs (495 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with three Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

279 lumens (14,000 Lux) and 16 hours long lasting in high brightness mode

260 yards (237 meters) illuminating range

140 illuminating degrees

S.O.S effect



19-A090001-0



KL8M

MSHA Certified Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

8.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

279 lumens (14,000 Lux) and 20 hours long lasting in high brightness mode

260 yards (237 meters) illuminating range

140 illuminating degrees

S.O.S effect



19-A090001-0



KL12M

MSHA Certified Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.56Vdc

279 lumens (14,000 Lux) and 24 hours long lasting in high brightness mode

260 yards (237 meters) illuminating range

140 illuminating degrees

S.O.S effect



19-A090001-0



KL5M

ATEX ia Ma & IECEx Ex ia Ma Certified
Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 3.464"(88.0 mm)

1.09 lbs (495 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with three Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from 32°F (0°C) to 104°F (40°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

340 lumens (18,000 Lux) and 13 hours long lasting in high brightness mode

293 yards (268 meters) illuminating range

120 illuminating degrees

S.O.S effect



IM1 Ex ia op is I Ma EN 60079-35-1
(0°C ≤ Ta ≤ 40°C)



Ex ia op is I Ma IEC 60079-35-1
(0°C ≤ Ta ≤ 40°C)



KL8M

ATEX ia Ma & IECEx Ex ia Ma Certified
Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from 32°F (0°C) to 104°F (40°C)

8.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

430 lumens (24,000 Lux) and 13 hours long lasting in high brightness mode

340 yards (310 meters) illuminating range

120 illuminating degrees

S.O.S effect



IM1 Ex ia op is I Ma EN 60079-35-1
(0°C ≤ Ta ≤ 40°C)



Ex ia op is I Ma IEC 60079-35-1
(0°C ≤ Ta ≤ 40°C)



KL12M

ATEX ia Ma & IECEx Ex ia Ma Certified
Explosion-proof LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from 32°F (0°C) to 104°F (40°C)

10 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

512 lumens (28,000 Lux) and 13 hours long lasting in high brightness mode

367 yards (335 meters) illuminating range

120 illuminating degrees

S.O.S effect



IM1 Ex ia op is I Ma EN 60079-35-1
(0°C ≤ Ta ≤ 40°C)



Ex ia op is I Ma IEC 60079-35-1
(0°C ≤ Ta ≤ 40°C)



KL5M

CE Electrical Safety Certified LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 3.464"(88.0 mm)

1.09 lbs (495 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with three Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

340 lumens (18,000 Lux) and 13 hours long lasting in high brightness mode

293 yards (268 meters) illuminating range

120 illuminating degrees

S.O.S effect



KL8M

CE Electrical Safety Certified LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

8.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.2Vdc

430 lumens (24,000 Lux) and 13 hours long lasting in high brightness mode

340 yards (310 meters) illuminating range

120 illuminating degrees

S.O.S effect



KL12M

CE Electrical Safety Certified LED Cap Lamp



Specifications

Lamp Width 2.952"(75.0 mm) * Depth 2.913"(74.0 mm) * Height 3.031"(77.0 mm)

Battery Width 3.692"(93.8 mm) * Depth 1.507"(38.3 mm) * Height 4.173"(106.0 mm)

1.20 lbs (548 g)

Polycarbonate material

Features

Hermetically sealed compliance with IP68

Tolerance of torture and impact

Mountable clip onto helmet

Rechargeable appliance with four Panasonic 1,200 charge cycles Li-ion batteries

100,000 hours life span Cree LED source

Two operating modes

Ambient temperature from -4°F (-20°C) to 140°F (60°C)

6.5 hours charge time upon a dedicated charger provided by WISDOM, with output of 4.56Vdc

512 lumens (28,000 Lux) and 13 hours long lasting in high brightness mode

367 yards (335 meters) illuminating range

120 illuminating degrees

S.O.S effect



WISDOM

BUILDING A
World-class
BRAND



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