



Downing Heliport Systems

DOWNING HELIPORT SELL SHEET CATALOG





SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Lexan Lens

LAMPS:

LED Floodlamps ~ 30 Watts
Obstruction or Perimeter LED
lamp ~ 2.2 Watts

LENS GUARD:

Heavy Cast Aluminum

POWER:

90-300 VAC, 50-60 Hz

DIMENSIONS:

Height: 10 Inches
Width: 12 Inches
Length: 18 Inches
Weight: 24 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 500

LED Single Surface floodlight with Perimeter Light

Improvement with LED lamp

The LED Floodlamp and perimeter lamp are designed to last at least 50,000 hours which reduces maintenance. Savings on maintenance will be approximately \$138 per year which includes bulbs and labor. It consumes 33Wh which reduces the power consumption by a factor of five. In two years, the electrical bill can be reduced by \$140 (will vary depending on usage and actual cost per kWh).

With the Surface floodlighting System, the pilot will see a lighted stage

When the pilot begins his descent from about 4,000 feet away, he will actually SEE the center of the pad, not just a dim green outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

Surface floodlights provide reflected light for added visibility

The single surface floodlight is specially designed for helicopter landings and reflects the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. There is a single high intensity LED floodlight, having a very wide horizontal and very narrow vertical beam spread across the surface of the heliport. In combination with the dual surface floodlight, uniform lighting is achieved for landing and loading activities.

Floodlighting without glare

Floodlight fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with a new cover extension design that prevents blinding of the pilot and crew. The LED lamp cannot be seen, even when standing in the center of the pad (proper aiming of the floodlights is necessary).

Double Duty Fixture - Two lights in one.

The Single Surface floodlight, model 500 not only illuminates the center of the pad, but also has an omnidirectional green LED perimeter light in its cover to outline the pad, eliminating the cost of that light fixture.

All lights in one circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved. Input voltage may be 90 to 300vac, 50-60H.



MODEL 700

Heliport Surface floodlight with Perimeter Light

With the Surface floodlighting System, when the pilot begins his descent from about 4000 feet away, he will actually SEE the center of the pad, not just a dim green outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

Floodlamps ~ Par 46, 150 Watt
Sealed Beam

LENS GUARD:

Stainless Steel

POWER:

120 VAC, or other

DIMENSIONS:

Height: 13 Inches
Width: 19 Inches
Length: 19 Inches
Weight: 38 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

Surface floodlights provide reflected light for added visibility

The Surface floodlight is specially designed for helicopter landings and reflect the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. There are two high intensity sealed beam floodlights, each having a very wide horizontal and very narrow vertical beam spread that are adjacently mounted in one fixture so that their combined beams are projected over a 100° broad path across the surface of the heliport. The floodlight with obstruction light is installed 4 feet above the surface level, on both sides of the heliport immediately outside the safety area (see Floodlight Lighting Layout). Uniform lighting is achieved for landing and loading activities.

Floodlighting without glare

Floodlights fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with an extension visor, eliminates any glare. The lamp filaments cannot be seen, even when standing in the center of the pad. The surface floodlight, model 700 not only illuminates the center of the pad, but also has an omnidirectional red obstruction light in its cover, eliminating the cost of an additional fixture. A stainless wire guard protects the obstruction lens.

All lights in one circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved, Power may be 120 VAC or 220 VAC.

The Surface floodlight is housed in a weather-tight, machined aluminum casting to withstand hard use. It has a low profile, being only 13 inches high, 18 inches wide and 19 inches long, with three extension tabs to permit bolting to a concrete slab or a metal plate, for easy installation. It is finished in orange thermosetting powder coating polyester for maximum resistance to corrosion.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

LED Floodlamps ~ 30 Watt

Perimeter Lamp ~ 2.2 Watt LED

LENS GUARD:

Stainless Steel

POWER:

120 VAC, or other

DIMENSIONS:

Height: 13 Inches

Width: 19 Inches

Length: 19 Inches

Weight: 38 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 700 LED

Surface floodlight With Led Perimeter Light

Improvement with LED lamp

The LED Floodlamps and perimeter lamp are designed to last at least 50,000 hours which reduces maintenance. Savings on maintenance will be approximately \$238 per year which includes bulbs and labor. It consumes 67Wh which reduces the power consumption by a factor of five. In two years, the electrical bill can be reduced by \$240 (will vary depending on usage and actual cost per kWh).

With the Surface floodlighting System, the pilot will see a lighted stage

When the pilot begins his descent from about 4000 feet away, he will actually SEE the center of the pad, not just a dim green outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

Surface floodlights provide reflected light for added visibility

The Surface floodlight is specially designed for helicopter landings and reflects the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. There are two high intensity sealed beam floodlights, each having a very wide horizontal and very narrow vertical beam spread that are adjacently mounted in one fixture so that their combined beams are projected over an 80° broad path across the surface of the heliport. The floodlight with perimeter light is installed slightly above the surface level, equally spaced around the heliport. Uniform lighting is achieved for landing and loading activities.

Floodlighting without glare

Floodlights fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with an extension visor, eliminates any glare. The lamp filaments cannot be seen, even when standing in the center of the pad.

Double Duty Fixture - Two lights in one.

The surface floodlight, model 700 not only illuminates the center of the pad, but also has an omnidirectional green LED perimeter light in its cover to outline the pad, eliminating the cost of that light fixture. A stainless wire guard protects the perimeter light lens.

All lights in one circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved, Power may be 100 VAC, 120 VAC or 220V.



MODEL 701

Heliport Surface floodlight with No Light in Cover

Additional part of the 700 series

The Model 701 is used as an independent floodlight

Under ICAO standards, it may be installed outside the FATO at surface level or in general it may be installed outside the safety area at a 4 foot elevation in the transition space. The wide beams are aimed to uniformly illuminate a 100° spread and reflect the surface of the landing area without glare. The overall height is only 9.5 inches.

SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LAMPS:

(2) Floodlamps ~ Par 46, 150 Watt
Sealed Beam

POWER:

120 VAC, or other

DIMENSIONS:

Height: 9.5 Inches

Width: 19 Inches

Length: 19 Inches

Weight: 38 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LAMPS:

LED Floodlamps ~ 60 Watts

POWER:

90-300 VAC, 50-60Hz

DIMENSIONS:

Height: 9.5 Inches

Width: 19 Inches

Length: 19 Inches

Weight: 36 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 701 LED

LED Surface floodlight

Improvement with LED lamp

The LED Floodlamps are designed to last at least 50,000 hours which reduces maintenance. Savings on maintenance will be approximately \$238 per year which includes bulbs and labor. It consumes 60Wh which reduces the power consumption by a factor of five. In two years, the electrical bill can be reduced by \$240 (will vary depending on usage and actual cost per kWh).

With the Surface floodlighting System, the pilot will see a lighted stage

When the pilot begins his descent from about 4,000 feet away, he will actually SEE the center of the pad, not just a dim green outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

Surface floodlights provide reflected light for added visibility

The Surface floodlight is specially designed for helicopter landings and reflects the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. There are two high intensity LED floodlights, each having a very wide horizontal and very narrow vertical beam spread that are adjacently mounted in one fixture so that their combined beams are projected over a 75° broad path across the surface of the heliport. The floodlight is installed slightly above the surface level, equally spaced around the heliport. Uniform lighting is achieved for landing and loading activities.

Floodlighting without glare

Floodlights fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with a new cover extension design that prevents blinding of the pilot and crew. The LED lamps cannot be seen, even when standing in the center of the pad (proper aiming of the floodlights is necessary).

All lights in one circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved. Input voltage may be 90 to 300vac, 50-60Hz pad, eliminating the cost of that light fixture. A stainless wire guard protects the perimeter light lens.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Non Breakable Lexan

LAMPS:

(2) Floodlamps ~ Par 46, 150 Watt

Sealed Beam

Perimeter Lamp ~ 35 Watt

Incandescent

LENS GUARD:

Heavy Cast Aluminum

POWER:

120 VAC, or other

DIMENSIONS:

Height: 9.5 Inches

Width: 19 Inches

Length: 19 Inches

Weight: 38 Pounds

FINISH:

Polyester Powder Coating, Orange

MODEL 702

Surface floodlight with Flushlight in Cover

Additional part of the 700 series

The Model 702 does double duty

Floodlights the area without glare, plus it is one of the omnidirectional Green Perimeter Lights. The Flushlight has an optically designed non-breakable plastic (Lexan) lens, that is omnidirectional and whose beam will help the pilot stay on his glide path as he descends to land.

The Model 702 Floodlight will meet ICAO standards as a combined floodlight and FATO perimeter light where the FATO is load bearing.

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.



SPECIFICATIONS

CASE:

Heavy Duty Heat Treated Cast Aluminum

LENS:

Ultra Strong UV Resistant Polycarbonate

LAMPS:

LED Floodlamps ~ 60 Watts
Obstruction or Perimeter LED Lamp ~ 7 Watt

LENS GUARD:

Heavy Duty Heat Treated Cast Aluminum

POWER:

90-300 VAC, 50-60 Hz

DIMENSIONS:

Height: 9.5 Inches
Width: 19 Inches
Length: 19 Inches
Weight: 41 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 702 LED

LED Surface floodlight with Flushlight

Additional part of the model 700 LED Series

Improvements with LED Lamps

The LED Floodlamps and perimeter lamp are designed to last at least 50,000 hours which reduces maintenance. Savings on maintenance will be approximately \$238 per year which includes bulbs and labor. It consumes 67Wh which reduces the power consumption by a factor of five. In two years, the electrical bill can be reduced by \$240 (will vary depending on usage and actual cost per kWh).

With the Surface floodlighting System, the pilot will see a lighted stage

When the pilot begins his descent from about 4,000 feet away, he will actually SEE the center of the pad, not just a dim green outline that he would get if only perimeter lights were used. Perimeter lights are only marginally visible at that distance.

Surface floodlights provide reflected light for added visibility

The Surface floodlight is specially designed for helicopter landings and reflects the surface, whether it is plain concrete or painted with reflectorized paint. Perimeter lights alone do not reflect the surface of the pad. There are two high intensity LED floodlights, each having a very wide horizontal and very narrow vertical beam spread that are adjacently mounted in one fixture so that their combined beams are projected over a 75° broad path across the surface of the heliport. The floodlight with flushlight is installed slightly above the surface level, equally spaced around the heliport. Uniform lighting is achieved for landing and loading activities.

Floodlighting without glare

Floodlights fully illuminate the landing area uniformly and provide excellent depth perception. The low vertical beam, combined with a new cover extension design that prevents blinding of the pilot and crew. The LED lamps cannot be seen, even when standing in the center of the pad (proper aiming of the floodlights is necessary).

Double Duty Fixture - Two lights in one.

The Surface floodlight, model 702 not only illuminates the center of the pad, but also has an omnidirectional green LED perimeter light in its cover to outline the pad, eliminating the cost of that light fixture. A three spoke guard protects the flushlight lens.

All lights in one circuit

Inexpensively wired, (with all lights in one circuit) it is possible to add or subtract floodlights where indicated and the utmost in flexibility is achieved. Input voltage may be 90 to 300VAC, 50-60Hz.



MODEL 800 LED

Visual Approach Slope Indicator LED Version

Designed to meet the special requirements of helicopter landings

The Helicopter Visual Approach Slope Indicator (VASI) was developed as landing aid for helicopter flight, to accommodate their steeper angles of descent and deliberate speeds, as compared to the conventional fixed wing VASI systems.

Three wide horizontal beams of different colored light are projected in fan shaped array into the incoming flight pattern. The top beam (yellow) indicates a too high altitude of approach. The center beam (green) is the correct altitude and the lower beam (red) is a too low altitude. By staying within the green light beam, the correct slope is maintained to touchdown. An ideal control for training students.

The LED lamp is of very high intensity and has a rated life of at least 50,000 hours. It is powered by 90 to 264 volts AC current with a frequency range from 47 to 63Hz. The LED lamp consumes a tenth of the power of the regular halogen bulb, which creates a big saving in power consumption.

The VASI is normally placed on the border of the safety area on the near side, facing into the landing pattern. It has a low profile, being 12 inches high, 8 inches wide and 16 inches long and is constructed of heavy cast aluminum that is weather tight and finished in an orange polyester power coating.

SPECIFICATIONS

CASE:

Aluminum Castings

LENS:

Aluminum Castings

LAMPS:

LED Lamp

MASK ASSEMBLY:

Three Color

POWER:

24 VAC upon request

DIMENSIONS:

Height: 12 Inches

Width: 8 Inches

Length: 16 inches

FINISH:

Orange Polyester

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.



MODEL 1000

Heliport Perimeter Light

Outlines the landing area

Low profile

The Heliport Perimeter Light, Model 1000 has a low profile and outlines the heliport with a string of green lights.

Surface mounted

It has two extension tabs to permit bolting to a concrete slab for easy surface mount installation. Optically designed heat resistant glass lens
The optically designed lens has a high vertical angle to accommodate the steeper landing slope of the helicopter approaches. It is aviation green, heat resistant glass. Available in Blue, Red and Yellow.

Cast aluminum construction

The fixture is housed in a heavy-machined cast aluminum case that is weather tight and has two mounting tabs. A stainless steel wire guard protects the lens from breakage. It is finished in orange polyester powder coating for durability.

SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

35 Watt Incandescent

LENS GUARD:

Stainless Steel

POWER:

120 VAC, or other

DIMENSIONS:

Height: 6 Inches

Diameter: 6 Inches

Weight: 8 Pounds

FINISH:

Polyester Powder Coating

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

2.2 Watt LED

LENS GUARD:

Stainless Steel

POWER:

120 VAC, or other

DIMENSIONS:

Height: 13 Inches

Diameter: 6 Inches

Weight: 8 Pounds

FINISH:

Polyester Powder Coating

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1000 LED

Heliport Perimeter Light

Outlines The Landing Area

Low profile

The Heliport Perimeter Light, Model 1000 LED has a low profile and outlines the heliport with a string of green lights without using too much electricity.

Surface mounted

It has two extension tabs to permit bolting to a concrete slab for easy surface mount installation.

Optically designed heat resistant glass lens

The optically designed lens has a high vertical angle to accommodate the steeper landing slope of the helicopter approaches. It is aviation green, heat resistant glass. Available in Blue, Red and Yellow. The Perimeter Light meets and exceeds recommendations by worldwide authorities.

Cast aluminum construction

The fixture is housed in a heavy-machined cast aluminum case that is weather tight and has two mounting tabs. A stainless steel wire guard protects the lens from breakage. It is finished in orange polyester powder coating for durability.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

Par 46, 150 Watt Sealed Beam
Flood Lamp Perimeter Lamp, 35
Watt Incandescent

LENS GUARD:

Stainless Steel

POWER:

120 VAC or other

DIMENSIONS:

Height: 12 Inches
Width: 10 Inches
Length: 18 inches
Weight: 24 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1100

Heliport Directional Arrow Floodlight

Illuminates your landing directional arrow

Double duty

The Heliport Directional Arrow Floodlight does double duty. It illuminates the directional arrow to emphasize the yellow lights for an accurate approach and is one of the string of yellow marker lights in the arrow. One or two of these floodlights may be used in each arrow, depending upon the length.

No glare

A very bright sealed beam spotlight is mounted in the face of the fixture and an extension visor eliminates any glare. A red, omnidirectional lens is mounted on the top covering a 35-watt incandescent lamp.

Optically designed heat resistant glass lens

The optically designed lens has a high vertical angle and is made of aviation green, heat resistant glass. The lens is protected from damage by a stainless steel wire guard.

Easy installation

It has mounting tabs extended from the housing for surface mounting.



SPECIFICATIONS

CASE:

Heavy Cast Aluminum

LENS:

Heat Resistant Glass

LAMPS:

30W LED Floodlamp
2.2W LED Perimeter Lamp

LENS GUARD:

Stainless Steel

POWER:

90-300 VAC, 50-60 Hz

DIMENSIONS:

Height: 12 Inches
Width: 10 Inches
Length: 18 Inches
Weight: 24 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1100 LED

Directional Arrow Floodlight

Illuminates Your Landing Directional Arrow

Improvements with led lamps

The led floodlamps and perimeter lamp are designed to last at least 50,000 hours which reduces maintenance. It consumes 33 watts which reduces the power consumption by a factor of five.

Double duty

The heliport directional arrow floodlight led does double duty. It illuminates the directional arrow to emphasize the yellow lights for an accurate approach and is one of the string of yellow marker lights in the arrow. One or two of these floodlights may be used in each arrow, depending upon the length.

No glare

A very bright led floodlight is mounted in the face of the fixture and an extension visor eliminates any glare. A yellow, omnidirectional lens is mounted on the top covering a 2.2-Watt led lamp.

Optically designed heat resistant glass lens

The optically designed lens has a high vertical angle and is made of aviation yellow, heat resistant glass. The lens is protected from damage by a stainless steel wire guard.

Easy installation

It has mounting tabs extended from the housing for surface mounting.



MODEL 1200

Radio Receiver Controller Model 1200

Designed to avoid leaving lights on when not in use

The Radio Receiver Controller is designed to permit turning the Heliport Lighting System on from the aircraft or from the ground, thus conserving power and extending lamp life. The lights need only be turned on when needed.

The Heliport Lighting System is turned on when the Radio Receiver Controller receives 5 pulse signals, in a 5 second period of time from the regular VHF communications transmitter in the aircraft. The lights will then remain on for a period of 15 minutes.

The Receiver is solid state with adjustable sensitivity from 1 to 30 microvolts, permitting a control range of up to 20 miles. It is normally set at 10 microvolts. It may be purchased in any frequency in the VHF range. The Unicon Channel 123.05 or 123.075 MHz are a frequent choice. Decoding is accomplished by solid state digital circuitry which is designed to sense the presence of 5 pulses within a 5 second period. It determines if this condition exists, closes a relay switch, and in turn, activates the lighting system.

Individual sections of the lighting system, such as the Beacon, may be turned off prematurely by transmitting 3 pulses within a 5 second period.

The Receiver will operate from 110 Volt AC or 220 Volt AC, 60 Hz, single phase power. It is contained in a weatherproof steel case that is 10 inches wide, 12 inches high and 5 inches deep and may be mounted conveniently to a wall power outlet, either inside or outside. A remote antenna or a whip antenna may be specified.

SPECIFICATIONS

CASE:

Steel weatherproof

FREQUENCY:

Any V.H.F.

RANGE:

Up to 20 miles

CONTROLS:

Two

CIRCUIT:

Solid State

SENSITIVITY:

1 to 3 Microvolts

ORIENTATION:

Indoor to Outdoor

FINISH:

Orange

DIMENSIONS:

Height: 20 Inches

Weight: 9 Pounds

Candelabra

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.



SPECIFICATIONS

CASE:

Cast Aluminum

LENS:

Lexan (Yellow, Clear or Blue)

LAMPS:

60 Watt Incandescent

LENS GUARD:

Cast Aluminum

POWER:

120 VAC, or other

DIMENSIONS:

Flange Square: 8 Inches

Depth: 5 1/4 Inches

Bottom Diameter: 6 Inches

Weight: 8 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1601

Heliport Recessed Flushlight

Flush mounted light fixture for heliports

Used as: Perimeter light - Directional landing light - Threshold light

Installed to outline the landing area with green lights. Installed to form a line of recessed Directional landing lights down the center, front to back, of the heliport. Installed across the front edge of the heliport to indicate the threshold.

Flush mounted - No obstructions

Recessed, but almost flush with the surface, permitting the movement of materials or equipment over it without damage, while allowing the colored light beams to emit omni-directionally. Lens guard with six spokes available.

Optically designed lens

New optically designed omnidirectional beam assists the pilot in maintaining his correct glide path. Made of non breakable plastic (Lexan).

Heavy construction

Housed in a heavy, machined, cast aluminum enclosure with a rugged cast aluminum guard that fits precisely to protect the lens and optics without obstructing emissions.

Weather proof

The entire fixture is fully machined and double gasketed for weather proofness, to make it weather tight.



SPECIFICATIONS

CASE:

Cast Aluminum

LENS:

Lexan (Yellow, Clear or Green)

LAMPS:

8 Watt LED

LENS GUARD:

Cast Aluminum

POWER:

90-300 VAC

DIMENSIONS:

Flange Square: 8 Inches

Depth: 5 1/4 Inches

Bottom Diameter: 6 Inches

Weight: 8 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1601 LED

Flush Mounted Light Fixture For Heliports

Used as: perimeter light

Downing heliport flushlight, model 1601 led, which is designed to provide a lighted outline of the heliport landing area without using too much electricity. With its long lasting lamp you will not have to worry about changing the lamp so often. The led lamp will last for years.

Flush mounted – no obstructions

Recessed, but almost flush with the surface, permitting the movement of materials or equipment over it without damage, while allowing the colored light beams to emit omnidirectionally. Lens guard with six spokes available.

Optically designed lens

New optically designed omnidirectional beam assists the pilot in maintaining his correct glide path. Made of non-breakable plastic (lexan).

Heavy construction

Housed in a heavy, machined, cast aluminum enclosure with a rugged cast aluminum guard that fits precisely to protect the lens and optics without obstructing emissions.

Easily installed

May be recessed in soil or solid aggregate or bolted to the edge of an elevated heliport.

Weather proof

The entire fixture is fully machined and double gasketed for weather proofness, to make it weather tight. The Downing heliport flushlight is designed to be recessed almost flush with the ground surface. It provides an omnidirectional spread of light and may be used to: a) mark the periphery of the landing area, b) mark various spots in that area for better depth perception in landing, c) provide a line of lights across the heliport to indicate the preferred directional landing approach, or d) to mark the threshold of the heliport.



SPECIFICATIONS

CASE:

Heavy Duty Heat Treated Cast Aluminum

LENS:

Ultra Strong UV Resistant Polycarbonate

LAMPS:

LED (green or amber)

POWER:

90-264 VAC, 47-63 Hz or
127-300 VDC

DIMENSIONS:

Height: 4 Inches
Diameter: 6 Inches
Weight: 5 Pounds

FINISH:

Polyester Powder Coating, Orange

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1602 LED - ELEVATED MOUNT

LED Heliport Perimeter Light

Outlines the landing area and FATO area

Low profile, LED perimeter Light

The new Downing Heliport Systems Model 1602 Elevated Perimeter Light can be used as a perimeter light to outline the helipad touchdown and lift-off area (TLOF) of elevated helidecks or existing pavements heliports and the FATO perimeter depending on the recommendations and standards of the applicable regulating agencies.

Easy installation

The 1602 LED perimeter light has two mounting tabs to permit the bolting to a concrete slab for easy surface mount installation or to an aluminum plate for elevated helidecks.

Optically designed lens

New optically designed omnidirectional beam assist the pilot in maintaining visual contact with the helipad. Made of non-breakable UV resistant polycarbonate.

Heavy construction

Housed in a heavy, machined, cast aluminum enclosure with a clamp that fits precisely to hold the lens and optics without obstructing emissions.

Weather proof

The entire fixture is fully machined and double gasketed for weather proofness, to make it weather tight.



MODEL 1701 – 3 COLOR

Locating Beacons

New super bright identification beacons

These 500 watt identification beacons provide long range visibility, even in heavily lighted areas, plus an image retaining pulse type of flash for better locatability.

SPECIFICATIONS

LENS:

Heat Treated Glass

LENS MOUNT:

Cast Aluminum

LAMPS:

Halogen 500 Watt

FLASH RATE:

30 FPM

DWELL TIME:

50%

PULSING CIRCUIT:

Solid State

CIRCUIT HOUSING:

Cast Aluminum

CURRENT:

120 Volt, or other

DIMENSIONS:

Height: 20 Inches

Weight: 9 Pounds

Candelabra

FINISH:

Galvanized and Powder Coating

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

Super intensity and long pulse time

Each lamp fixture pulses a special 500 watt Halogen lamp for a full second - 20 times per minute. This combines excellent long range visibility with image retaining locatability compared to the sharp blink and hard to locate flash of the rotating beacon.

Solid state circuit/no moving parts

A solid state, trouble free circuit pulses each lamp in sequence - one color after the other. The circuit is mounted in a heavy cast aluminum, machined and weatherproof housing. Power is 117 Volts, unless ordered otherwise, and the cable enters through the base of the fixture and the pipe base.

Easy to install

The pipe threaded base mounts easily to either a rooftop surface or can be threaded to another pipe pole, such as atop the wind cone assembly, if desired.

Model 1800 Single Color Beacon

This single color beacon can be ordered with red, yellow, blue or clear glass lens. (The usual color is clear).

Model 1701 3 Color Beacon

The Model 1701 has three separate individual colored fixtures: clear, yellow, and green. Each is visible from all directions and has a special heat treated glass lens that is mounted in a weather resistant, cast aluminum fixture. The fixture is mounted in a heavy galvanized pipe candelabra for easy installation on a pole, a wind cone, or on a rooftop.



SPECIFICATIONS

LENS, CLEAR:

Heat Resistant Glass

FINISH:

Galvanized Pipe 3/4", with cross
tees and elbows

DIMENSIONS:

Height: 18 Inches
Width: 20 Inches
Weight: 21 Pounds

Heliports within the U.S.: Care should be taken to place floodlights clear of the TLOF, the FATO, the safety area, the approach/ departure surfaces, and any required transitional surfaces.

MODEL 1800 – SINGLE COLOR

Locating Beacons

New super bright identification beacons

These 500 watt identification beacons provide long range visibility, even in heavily lighted areas, plus an image retaining pulse type of flash for better locatability.

Super intensity and long pulse time

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OBSTRUCTION LIGHTS

Single - Models OB20 & OB21

Approved Under FAA Specification L - 810

(AC 150/5345 - 2)

MODEL OB20

Obstruction Light

The OB20 Single Obstruction Light is equipped with a lamp receptacle to accommodate a choice of either an A21/TS medium screw base Lamp of 100 or 116 Watts, or a medium prefocus base lamp --100 Watt A21P - or 120 lumen series (1020/66/A21)The Fixture consist of cast aluminum fittings, utilizes an approved Red Fresnel Lens of the flange type, is of the bottom entrance conduit fitting type in order to facilitate installation on a vertical conduit stub, and is available with either $\frac{3}{4}$ " or 1" conduit entrance taps.

The Simple Positive Stainless Steel Spring latches provide for easier maintenance on all models.

Relamping is readily accomplished by unfastening the side latches and removing in one piece the lens holder and the lens. A retaining chain is fastened between the lens holder and fixture base to support the lens holder assembly during servicing. The flanged Fresnel lens is seated against an especially compounded long life gasket cemented to the fixture base. Drain holes in the fixture base prevent the accumulation of condensation moisture with in the unit.



OBSTRUCTION LIGHTS

Single - Models OB20 & OB21

Approved Under FAA Specification L - 810

(AC 150/5345 - 2)

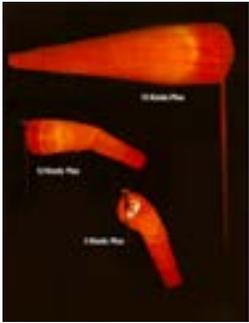
MODEL OB21

Obstruction Light

The OB21 Single Obstruction Light is equipped with a lamp receptacle to accommodate a choice of either an A21 / TS medium screw base lamp of 100 or 116 watts, or a medium prefocus base lamp ---100 watts, A21P---or 1020 lumen series (1020/66/A21) The fixture consists of cast aluminum fittings, utilizes an approved Red Fresnel lens of the flange type, is of the side entrance conduit fitting type in order to facilitate installation on a horizontal conduit stub, and is available with either $\frac{3}{4}$ " or 1" conduit entrance taps.

The Simple Positive Stainless Steel Spring latches provide for easier maintenance on all models.

Relamping is readily accomplished by unfastening the side latches and removing in one piece the lens holder and the lens. A retaining chain is fastened between the lens holder and fixture base to support the lens holder assembly during servicing. The flanged Fresnel lens is seated against an especially compounded long life gasket cemented to the fixture base. Drain holes in the fixture base prevent the accumulation of condensation moisture with in the unit.



SPECIFICATIONS

MAST:

3" or 4" Aluminum Tubing

SOCK:

Nylon, Orange

SIZE:

18" or 36" Opening, 8' Long

HEIGHT:

10', 20' and 22'

BEARINGS:

Two (Sealed)

CANDELABRA LAMPS (2):

100 Watt ea

OBSTRUCTION LIGHT:

Red, 116 watt

FINISH:

Orange Anodized

MODEL WC818

Wind Direction Lighting

Wind Cone Assembly

The direction and the velocity of the wind must be seen at night for a safe approach to landing. A lighted Windcone assembly is often required by advisory authorities and it is located near the landing area but not so near that it would be an obstruction. The Heliport Windcone sock has an 18" throat diameter and is 8 feet (2.44M) long. It is orange nylon. The Lighted Windcone Assembly is available in several configurations. The basic size is for the ground based unit while a shorter unit is used for rooftop installations. The ground based unit stands 20 (6 M) feet high, has two internal floodlights that shine inside the sock and one Obstruction light that marks the top of the pole. The assembly is hinged at the middle of the pole so that it may be lowered for maintenance purposes.

The rooftop unit has the same windsock and is lighted in the same way but has a lighter weight pole and stands 10 feet (3M) high. WC818-10Rooftop. Shorter pole - with same Lighting WC818-16 Ground base unit.