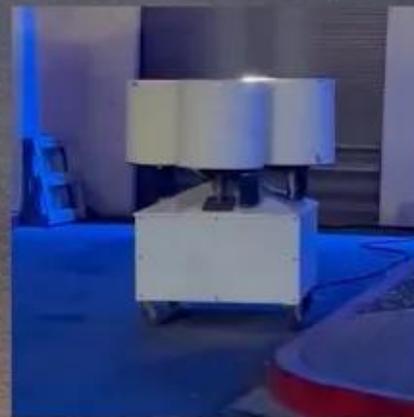


# LAS VEGAS



# LIGHT PILLAR MAP

1  
00:00:04,490 --> 00:00:02,690  
a lot of people in Las Vegas saw these

2  
00:00:06,769 --> 00:00:04,500  
interesting lights in the sky they

3  
00:00:09,350 --> 00:00:06,779  
looked like a huge UFO hovering above

4  
00:00:12,169 --> 00:00:09,360  
the clouds I was initially confused by

5  
00:00:13,669 --> 00:00:12,179  
it but then taivan tuntija posted on

6  
00:00:17,450 --> 00:00:13,679  
metabung that it looked like Light

7  
00:00:19,609 --> 00:00:17,460  
Pillars seen from below and TC Thomas 51

8  
00:00:22,370 --> 00:00:19,619  
on Reddit matched a couple of the light

9  
00:00:24,590 --> 00:00:22,380  
shapes to a map of nearby hotels

10  
00:00:27,109 --> 00:00:24,600  
and this is actually what it is Light

11  
00:00:29,150 --> 00:00:27,119  
Pillars since it creates a small map of

12  
00:00:30,890 --> 00:00:29,160  
the city in the sky I'm going to call it

13  
00:00:32,930 --> 00:00:30,900

a light pillar map

14

00:00:35,209 --> 00:00:32,940

a light pillar is a somewhat rare

15

00:00:37,250 --> 00:00:35,219

atmospheric phenomena where ice crystals

16

00:00:39,290 --> 00:00:37,260

form in the air in hexagonal plates are

17

00:00:41,510 --> 00:00:39,300

lined horizontally seen from a distance

18

00:00:44,030 --> 00:00:41,520

bright lights behind and below the layer

19

00:00:46,130 --> 00:00:44,040

reflect off the tiny horizontal Crystals

20

00:00:48,529 --> 00:00:46,140

at different altitudes creating a pillar

21

00:00:50,750 --> 00:00:48,539

effect most commonly seen with the sun

22

00:00:53,750 --> 00:00:50,760

you also see it quite dramatically with

23

00:00:55,610 --> 00:00:53,760

bright building lights at night

24

00:00:57,470 --> 00:00:55,620

from below the reflections are generally

25

00:00:58,790 --> 00:00:57,480

not that visible as they get lost into

26

00:01:00,529 --> 00:00:58,800

light pollution

27

00:01:02,330 --> 00:01:00,539

but if you have a light shining straight

28

00:01:04,250 --> 00:01:02,340

up into the layer then it will reflect

29

00:01:05,870 --> 00:01:04,260

straight back down of millions of ice

30

00:01:08,510 --> 00:01:05,880

crystals and you'll see that light

31

00:01:10,370 --> 00:01:08,520

seemingly reflected off the sky

32

00:01:12,710 --> 00:01:10,380

what you're really seeing are vertical

33

00:01:14,510 --> 00:01:12,720

pillars of light probably each a

34

00:01:16,789 --> 00:01:14,520

thousand feet long but viewed from

35

00:01:19,370 --> 00:01:16,799

underneath so all you get is a bright

36

00:01:21,109 --> 00:01:19,380

spot for each light

37

00:01:23,090 --> 00:01:21,119

in Las Vegas there are lots of Lights

38

00:01:25,490 --> 00:01:23,100

some of them Point straight up to

39

00:01:28,190 --> 00:01:25,500

eliminate the sides of the casinos these

40

00:01:30,590 --> 00:01:28,200

are called up lights or up lighting

41

00:01:32,690 --> 00:01:30,600

so when we look up in Vegas into the Ice

42

00:01:34,670 --> 00:01:32,700

Crystal layer it's like looking up into

43

00:01:37,010 --> 00:01:34,680

a giant mirror that's fifteen thousand

44

00:01:39,170 --> 00:01:37,020

feet above you but all you can see are

45

00:01:41,149 --> 00:01:39,180

the up lights

46

00:01:43,249 --> 00:01:41,159

we flip the mirrored image to Overlay it

47

00:01:44,749 --> 00:01:43,259

on the map these two curve shapes are

48

00:01:46,730 --> 00:01:44,759

the up lights around the Wind and The

49

00:01:48,469 --> 00:01:46,740

Encore you can clearly make out the

50

00:01:50,389 --> 00:01:48,479

shapes the red lights are the red

51  
00:01:53,210 --> 00:01:50,399  
uplights at the ends and center of the

52  
00:01:55,370 --> 00:01:53,220  
Hilton Resort worlds we can also see

53  
00:01:57,770 --> 00:01:55,380  
other hotels with powerful uplights the

54  
00:02:00,830 --> 00:01:57,780  
stratosphere power station and Trump

55  
00:02:01,550 --> 00:02:00,840  
International it's a map a light pillar

56  
00:02:03,469 --> 00:02:01,560  
map

57  
00:02:05,149 --> 00:02:03,479  
the flashing white light is from the

58  
00:02:06,109 --> 00:02:05,159  
promotional searchlights of the sapphire

59  
00:02:08,449 --> 00:02:06,119  
Club

60  
00:02:10,969 --> 00:02:08,459  
remember we only really see up lights

61  
00:02:12,530 --> 00:02:10,979  
here so we only see the searchlights

62  
00:02:14,930 --> 00:02:12,540  
when they get close to being vertical

63  
00:02:17,510 --> 00:02:14,940

the flashing white dot produced appears

64

00:02:19,729 --> 00:02:17,520

directly overhead from the sapphire is

65

00:02:21,470 --> 00:02:19,739

not glinting off anything it's just a

66

00:02:22,729 --> 00:02:21,480

bright up light that's only occasionally

67

00:02:24,890 --> 00:02:22,739

vertical

68

00:02:26,630 --> 00:02:24,900

again it's just these four spotlights

69

00:02:28,490 --> 00:02:26,640

and since the image in the sky is like

70

00:02:31,070 --> 00:02:28,500

looking at a map of the city or looking

71

00:02:33,050 --> 00:02:31,080

down from fifteen thousand feet all we

72

00:02:34,970 --> 00:02:33,060

see is an occasionally bright dot

73

00:02:36,170 --> 00:02:34,980

exactly where the sapphire Club is on

74

00:02:37,790 --> 00:02:36,180

that map

75

00:02:39,830 --> 00:02:37,800

if you don't know there's a light pillar

76

00:02:42,050 --> 00:02:39,840

map this gives the illusion of the

77

00:02:43,490 --> 00:02:42,060

searchlights glinting off something but

78

00:02:46,070 --> 00:02:43,500

when you think about the scale and

79

00:02:48,050 --> 00:02:46,080

looking down from 15 000 feet it makes

80

00:02:49,790 --> 00:02:48,060

sense

81

00:02:51,410 --> 00:02:49,800

this is something we've seen in the past

82

00:02:53,509 --> 00:02:51,420

but it's rare to get such a great

83

00:02:55,910 --> 00:02:53,519

example there's only two other good

84

00:02:57,410 --> 00:02:55,920

examples I know of one from Shenzhen in

85

00:02:59,690 --> 00:02:57,420

China where we see a little map of the

86

00:03:01,850 --> 00:02:59,700

city from above viewed from street level

87

00:03:04,490 --> 00:03:01,860

the Chinese meteorologist described this

88

00:03:06,650 --> 00:03:04,500

as warm Night Light Pillars the other

89

00:03:08,330 --> 00:03:06,660

example is from Europe in Finland where

90

00:03:10,570 --> 00:03:08,340

again we see a map of the city lights

91

00:03:12,470 --> 00:03:10,580

this time with visible roads

92

00:03:14,390 --> 00:03:12,480

meteorologists describe this one as

93

00:03:16,309 --> 00:03:14,400

perhaps the only example of such a thing

94

00:03:18,410 --> 00:03:16,319

but I think the Vegas light pillar map

95

00:03:20,149 --> 00:03:18,420

is pretty close except all we see are

96

00:03:21,830 --> 00:03:20,159

hotels in a strip club

97

00:03:23,930 --> 00:03:21,840

why bother to explain something as

98

00:03:26,690 --> 00:03:23,940

simple as Reflections off clouds

99

00:03:29,149 --> 00:03:26,700

well it's not really that simple a light

100

00:03:31,309 --> 00:03:29,159

pillar map is a very rare event so rare

101

00:03:33,050 --> 00:03:31,319

I had to invent a name for it so it's

102

00:03:34,910 --> 00:03:33,060

understandable that people not recognize

103

00:03:37,130 --> 00:03:34,920

it and even they're not immediately

104

00:03:39,229 --> 00:03:37,140

understand aspects like the glinting

105

00:03:41,930 --> 00:03:39,239

light so let's not give them a hard time

106

00:03:44,270 --> 00:03:41,940

light pillar maps are pretty amazing and

107

00:03:46,250 --> 00:03:44,280

unusual and next time one crops up then

108

00:03:47,990 --> 00:03:46,260

people will understandably think that