

```
In [1]: import requests
import pandas as pd
from bs4 import BeautifulSoup as bs
```

```
In [2]: url="https://lsin.panasonic.com/panasonic-lighting/consumer-lighting/down-lighting"
```

```
In [3]: page=requests.get(url)
page
```

```
Out[3]: <Response [200]>
```

```
In [4]: text=page.content
text
```

```
Out[4]: b'<!DOCTYPE html>\n<!--[if lt IE 7]>          <html class="no-js lt-ie9 lt-ie8 lt
-ie7"> <![endif]-->\n<!--[if IE 7]>          <html class="no-js lt-ie9 lt-ie8"
> <![endif]-->\n<!--[if IE 8]>          <html class="no-js lt-ie9"> <![endi
f]-->\n<!--[if gt IE 8]><!-->\n<html class="no-js" lang="en">\n<!--<![endi
f]-->\n<head>\n\n    <meta charset="utf-8">\n    <!--[if IE]><meta http-equiv
="X-UA-Compatible" content="IE=edge,chrome=1"><![endif]-->\n    <meta http-eq
uiv="X-UA-Compatible" content="IE=edge">\n\t<meta name="google-site-verificat
ion" content="_MMs91V4qWg2v8e7i321Pax5MCAgtlGizBW0_lRx95Y" />\n\n    <meta na
me="viewport" content="width=device-width">\n    <title>Best LED Downlights P
roducts in India - Anchor by Panasonic</title>\n    <!-- CSRF Token -->\n
<meta name="csrf-token" content="nl8Pwbsgk6wUPi1T09ThovdRhTMqk76fYxuLpNMb">\n
<meta name="description" content="Select from a wide range of Aluminium Downl
ights from Anchor by Panasonic. Check out our huge variety of Commercial LED
Downlights products at best prices.">\n    <meta name="keywords" content="Do
wnlights, LED Downlights, Commercial LED Downlights, Best Downlights, Downlig
hts Products, Buy Downlights, Downlights online ">\n \n<meta property="og:tit
le" content="Best LED Downlights Products in India - Anchor by Panasonic" />\n
<meta property="og:description" content="Select from a wide range of Alumini
um Downlights from Anchor by Panasonic. Check out our huge variety of Commerc
ial LED Downlights products at best prices." />\n\n    </head>\n\n    <body>\n
<div class="container">\n    <div class="row">\n        <div class="col-md-12">\n
            <div class="text-center">\n                <h2>Best LED Downlights P
roducts in India - Anchor by Panasonic</h2>\n                <p>Select from a
wide range of Aluminium Downlights from Anchor by Panasonic. Check out our hug
e variety of Commercial LED Downlights products at best prices.</p>\n            </div>\n        </div>\n    </div>\n    </body>\n</html>
```

```
In [5]: content=bs(text,"html.parser")
content
```

```
Out[5]: <!DOCTYPE html>
```

```
<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]>        <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]>        <html class="no-js lt-ie9"> <![endif]-->
<!--[if gt IE 8]><!-->
<html class="no-js" lang="en">
<!--<![endif]-->
<head>
<meta charset="utf-8"/>
<!--[if IE]><meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
<![endif]-->
<meta content="IE=edge" http-equiv="X-UA-Compatible"/>
<meta content="_MMs91V4qWg2v8e7i321Pax5MCAgtlGizBW0_lRx95Y" name="google-site-verification">
<meta content="width=device-width" name="viewport"/>
<title>Best LED Downlights Products in India - Anchor by Panasonic</title>
<!-- CSRF Token -->
<meta content="n18Pwbsgk6wUPi1T09ThovdRhTMqk76fYxuLpNMb" name="csrf-token"/>
<meta content="Best LED Downlights Products in India - Anchor by Panasonic">
```

```
In [6]: content.prettify
```

```
Out[6]: <bound method Tag.prettify of <!DOCTYPE html>
```

```
<!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]>        <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]>        <html class="no-js lt-ie9"> <![endif]-->
<!--[if gt IE 8]><!-->
<html class="no-js" lang="en">
<!--<![endif]-->
<head>
<meta charset="utf-8"/>
<!--[if IE]><meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
<![endif]-->
<meta content="IE=edge" http-equiv="X-UA-Compatible"/>
<meta content="_MMs91V4qWg2v8e7i321Pax5MCAgtlGizBW0_lRx95Y" name="google-site-verification">
<meta content="width=device-width" name="viewport"/>
<title>Best LED Downlights Products in India - Anchor by Panasonic</title>
<!-- CSRF Token -->
<meta content="n18Pwbsgk6wUPi1T09ThovdRhTMqk76fYxuLpNMb" name="csrf-token"/>
<meta content="Best LED Downlights Products in India - Anchor by Panasonic">
```

```
In [7]: Title=content.title
Title
```

```
Out[7]: <title>Best LED Downlights Products in India - Anchor by Panasonic</title>
```

```
In [8]: Title.string
```

```
Out[8]: 'Best LED Downlights Products in India - Anchor by Panasonic'
```

```
In [9]: type(Title)
```

```
Out[9]: bs4.element.Tag
```

```
In [10]: Downlight_names=content.find_all("h2",class_="")
```

```
In [11]: Downlight_names
```

```
Out[11]: [<h2>Lumor Anora - PC Square</h2>,
<h2>Lumor Anora - PC Circular</h2>,
<h2>Deep Junction Box</h2>,
<h2>Conceal Box Downlight</h2>,
<h2>Aluminium Swivel COB Down Light</h2>,
<h2>Modular Surface Downlight</h2>,
<h2>Rimless Surface Down Lights</h2>,
<h2>Rimless Surface Down Lights</h2>,
<h2>Rimless Recess Down Lights-Circular</h2>,
<h2>Rimless Recess Down Lights-Square</h2>,
<h2>Deco Ceiling</h2>,
<h2>Dual Colour Junction Box</h2>,
<h2>PC Swivel Down Light</h2>,
<h2>Mini Surface Downlight- (Cabinet Light)</h2>,
<h2>Mini Surface Downlight</h2>,
<h2>Modular Surface Down Light (New Shape)</h2>]
```

```
In [12]: Names=[]
for i in Downlight_names:
    Names.append(i.get_text())
```

```
In [13]: Names
```

```
Out[13]: ['Lumor Anora - PC Square',
'Lumor Anora - PC Circular',
'Deep Junction Box',
'Conceal Box Downlight',
'Aluminium Swivel COB Down Light',
'Modular Surface Downlight',
'Rimless Surface Down Lights',
'Rimless Surface Down Lights',
'Rimless Recess Down Lights-Circular',
'Rimless Recess Down Lights-Square',
'Deco Ceiling',
'Dual Colour Junction Box',
'PC Swivel Down Light',
'Mini Surface Downlight- (Cabinet Light)',
'Mini Surface Downlight',
'Modular Surface Down Light (New Shape)']
```

```
In [14]: Images=content.find_all("img",class_="shape1")
images=[]
for i in Images:
    images.append(i.get("src"))

del images[0:3]
len(images)

for i in images:
    print(i)
```

<https://lsin.panasonic.com/media/2021/6/lumor-anora-down2-214x0.png> (<https://lsin.panasonic.com/media/2021/6/lumor-anora-down2-214x0.png>)
<https://lsin.panasonic.com/media/2021/6/lumor-anora-round-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/6/lumor-anora-round-down1-214x0.png>)
<https://lsin.panasonic.com/media/2023/5/asset-15-214x0.png> (<https://lsin.panasonic.com/media/2023/5/asset-15-214x0.png>)
<https://lsin.panasonic.com/media/2021/6/conceal-box-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/6/conceal-box-down1-214x0.png>)
<https://lsin.panasonic.com/media/2023/5/cob1-214x0.png> (<https://lsin.panasonic.com/media/2023/5/cob1-214x0.png>)
<https://lsin.panasonic.com/media/2021/6/modular-surface-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/6/modular-surface-down1-214x0.png>)
<https://lsin.panasonic.com/media/2021/8/rimless-circular-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/8/rimless-circular-down1-214x0.png>)
<https://lsin.panasonic.com/media/2021/8/rimless-sqr-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/8/rimless-sqr-down1-214x0.png>)
<https://lsin.panasonic.com/media/2021/8/rimless-recess-down2-214x0.png> (<https://lsin.panasonic.com/media/2021/8/rimless-recess-down2-214x0.png>)
<https://lsin.panasonic.com/media/2021/8/rimless-recess-sqr-down1-214x0.png> (<https://lsin.panasonic.com/media/2021/8/rimless-recess-sqr-down1-214x0.png>)
<https://lsin.panasonic.com/media/2023/4/134-214x0.png> (<https://lsin.panasonic.com/media/2023/4/134-214x0.png>)
<https://lsin.panasonic.com/media/2023/4/untitled-13-214x0.png> (<https://lsin.panasonic.com/media/2023/4/untitled-13-214x0.png>)
<https://lsin.panasonic.com/media/2023/4/1-removebg-preview3-214x0.png> (<https://lsin.panasonic.com/media/2023/4/1-removebg-preview3-214x0.png>)
<https://lsin.panasonic.com/media/2023/5/asset-21-214x0.png> (<https://lsin.panasonic.com/media/2023/5/asset-21-214x0.png>)
<https://lsin.panasonic.com/media/2023/4/mini-surface-downlight-mpsd3-214x0.png> (<https://lsin.panasonic.com/media/2023/4/mini-surface-downlight-mpsd3-214x0.png>)
<https://lsin.panasonic.com/media/2023/5/mdlr1-214x0.png> (<https://lsin.panasonic.com/media/2023/5/mdlr1-214x0.png>)

```
In [15]: Wattage=content.find_all("h3",class_="")
```

```
In [16]: Watts=[]
for i in Wattage:
    Watts.append(i.get_text())
Watts.pop(10)
Watts
```

```
Out[16]: ['5W, 10W, 15W, 20W',
'5W, 10W, 15W, 20W',
'8W, 12W, 15W',
'5W,7W,9W',
'3W, 7W, 12W, 15W, 18W, 24W',
'7W, 15W, 9W',
'12W, 24W, 18W',
'12W, 24W, 18W',
'10W, 20W, 15W',
'10W, 20W, 15W',
'7W',
'3W,6W,9W,12W',
'3W',
'5W',
'7W',
'Connect with us via our social networks']
```

```
In [17]: Downlight_info=content.find_all("div",class_="led_right")
Downlight_info
```

```
Out[17]: [<div class="led_right">
<h3>5W, 10W, 15W, 20W</h3>
<div><ul>
<li>LED Life: 30,000 BH</li>
<li>Voltage Range: 100-300 VAC</li>
<li>Power Factor: P.F ≥ 0.9</li>
<li>Surge Protection: 2.5 KV</li>
<li>Optics: Polycarbonate Diffuser</li>
<li>CCT: 3000K/4000/6500K</li>
</ul>
</div>
</div>,
<div class="led_right">
<h3>5W, 10W, 15W, 20W</h3>
<div><ul>
<li>LED Life: 30,000 BH</li>
<li>Voltage Range: 100-300 VAC</li>
<li>Power Factor: P.F ≥ 0.9</li>
<li>Surge Protection: 2.5 KV</li>
<li>Optics: Polycarbonate Diffuser</li>
<li>CCT: 3000K/4000/6500K</li>
</ul>
</div>
</div>]
```

```
In [18]: Information=[]
for i in Downlight_info:
    Information.append(i.get_text())
```

In [19]: Information

```
Out[19]: ['\n5W, 10W, 15W, 20W\n\nLED Life: 30,000 BH\nVoltage Range: 100-300 VAC\nPower Factor: P.F ≥ 0.9\nSurge Protection: 2.5 KV\nOptics: Polycarbonate Diffuse\nr\nCCT: 3000K/4000/6500K\n\n\n',
'\n5W, 10W, 15W, 20W\n\nLED Life: 30,000 BH\nVoltage Range: 100-300 VAC\nPower Factor: P.F ≥ 0.9\nSurge Protection: 2.5 KV\nOptics: Polycarbonate Diffuse\nr\nCCT: 3000K/4000/6500K\n\n\n',
'\n8W, 12W, 15W\n\nLED Life: 25,000 BH\nVoltage Range: 140-275 VAC\nIP: 20\nSurge Protection: 2KV\nCRI: 80\nBeam Angle: 1200\n\n\n',
'\n5W,7W,9W\n\nLED Life: 30,000 BH\nLumen Efficacy: 100 Lm/W\nVoltage Range: 180-265V\nPower Factor: P.F 0.50\nSurge Protection: 2.5KV\nCCT: 3000K/6500K/Red/Green/Blue\n\n\n',
'\n3W, 7W, 12W, 15W, 18W, 24W\n\nLED Life: 25,000 BH\nIP: 20\nVoltage Range: 140-275V AC\nBeam Angle: 1200\nSurge Protection: 2.5KV\nCRI: 80\n\n\n',
'\n7W, 15W, 9W\n\nLED Life: 25,000 BH\nLumen Efficacy: 100 Lm/W\nVoltage Range: 140-270V\nPower Factor: P.F 0.9\nSurge Protection: 2KV\nCCT: 3000K/4000K/6500K\n\n\n',
'\n12W, 24W, 18W\n\nLED Life: 25,000 BH\nLumen Efficacy: 83 Lm/W\nVoltage Range: 185-265 VAC\nPower Factor: P.F ≥ 0.9\nSurge Protection: 2.5 KV\nOptics: Polycarbonate Diffuser\nCCT: 3000K/4000/6500K\n\n\n',
'\n12W, 24W, 18W\n\nLED Life: 25,000 BH\nLumen Efficacy: 83 Lm/W\nVoltage Range: 185-265 VAC\nPower Factor: P.F ≥ 0.9\nSurge Protection: 2.5 KV\nOptics: Polycarbonate Diffuser\nCCT: 3000K/4000/6500K\n\n\n',
'\n10W, 20W, 15W\n\nLED Life: 30,000 BH\nLumen Efficacy: 83 Lm/W\nVoltage Range: 185-265V\nPower Factor: P.F 0.9\nSurge Protection: 2.5KV\nCCT: 3000K/4000/6500K\n\n\n',
'\n10W, 20W, 15W\n\nLED Life: 25,000 BH\nLumen Efficacy: 90 Lm/W\nVoltage Range: 110-240 VAC\nPower Factor: P.F ≥ 0.9\nSurge Protection: 2.5 KV\nOptics: Polycarbonate Diffuser\nCCT: 3000K/4000/6500K\n\n\n',
'\n22W\n\nOperating Voltage: 140-275V AC\nIP : 20\nBeam Angle : 1500\nSurge Protection: 2.5kV\nCRI : 80\nLED Life: 25,000 BH\n\n\n',
'\n7W\n\nLED Life: 25,000 BH\nIP: 20\nVoltage Range: 140-275V AC\nBeam Angle: 1200\nSurge Protection: 2KV\nCRI: 80\n\n\n',
'\n3W,6W,9W,12W\n\nLED Life: 25,000 BH\nIP: 20\nVoltage Range: 140-275V AC\nBeam Angle: 1200\nSurge Protection: 2.5KV\nCRI: 80\n\n\n',
'\n3W\n\nLED Life: 20,000 BH\nVoltage Range: 140-275 VAC\nIP: 20\nSurge Protection: 2.5 KV\nBeam Angle: 1200\nCRI: 80\n\n\n',
'\n5W\n\nLED Life: 20,000 BH\nVoltage Range: 140-275 VAC\nIP: 20\nSurge Protection: 2 KV\nBeam Angle: 1200\nCRI: 80\n\n\n',
'\n7W\n\nLED Life: 25,000 BH\nVoltage Range: 140-275 VAC\nIP: 20\nSurge Protection: 2.5 KV\nBeam Angle: 1200\nCRI: 80\n\n\n']
```

```
In [20]: Data={"Product_Img":images,"Product_Names":Names,"Product_Wattage":Watts,"product_Information":Info}
df=pd.DataFrame(Data)
df
```

Out[20]:

	Product_Img	Product_Names	Product_Wattage	product_Information
0	https://sin.panasonic.com/media/2021/6/lumor-...	Lumor Anora - PC Square	5W, 10W, 15W, 20W	\n5W, 10W, 15W, 20W\n\nLED Life: 30,000 BH\nVo...
1	https://sin.panasonic.com/media/2021/6/lumor-...	Lumor Anora - PC Circular	5W, 10W, 15W, 20W	\n5W, 10W, 15W, 20W\n\nLED Life: 30,000 BH\nVo...
2	https://sin.panasonic.com/media/2023/5/asset-...	Deep Junction Box	8W, 12W, 15W	\n8W, 12W, 15W\n\nLED Life: 25,000 BH\nVoltage...
3	https://sin.panasonic.com/media/2021/6/concea...	Conceal Box Downlight	5W,7W,9W	\n5W,7W,9W\n\nLED Life: 30,000 BH\nLumen Effic...
4	https://sin.panasonic.com/media/2023/5/cob1-2...	Aluminium Swivel COB Down Light	3W, 7W, 12W, 15W, 18W, 24W	\n3W, 7W, 12W, 15W, 18W, 24W\n\nLED Life: 25,0...
5	https://sin.panasonic.com/media/2021/6/modula...	Modular Surface Downlight	7W, 15W, 9W	\n7W, 15W, 9W\n\nLED Life: 25,000 BH\nLumen Ef...
6	https://sin.panasonic.com/media/2021/8/rimles...	Rimless Surface Down Lights	12W, 24W, 18W	\n12W, 24W, 18W\n\nLED Life: 25,000 BH\nLumen ...
7	https://sin.panasonic.com/media/2021/8/rimles...	Rimless Surface Down Lights	12W, 24W, 18W	\n12W, 24W, 18W\n\nLED Life: 25,000 BH\nLumen ...
8	https://sin.panasonic.com/media/2021/8/rimles...	Rimless Recess Down Lights-Circular	10W, 20W, 15W	\n10W, 20W, 15W\n\nLED Life: 30,000 BH\nLumen ...
9	https://sin.panasonic.com/media/2021/8/rimles...	Rimless Recess Down Lights-Square	10W, 20W, 15W	\n10W, 20W, 15W\n\nLED Life: 25,000 BH\nLumen ...
10	https://sin.panasonic.com/media/2023/4/134-21...	Deco Ceiling	7W	\n22W\n\nOperating Voltage: 140-275V AC\nIP : ...
11	https://sin.panasonic.com/media/2023/4/untitl...	Dual Colour Junction Box	3W,6W,9W,12W	\n7W\n\nLED Life: 25,000 BH\nIP: 20\nVoltage R...
12	https://sin.panasonic.com/media/2023/4/1-remo...	PC Swivel Down Light	3W	\n3W,6W,9W,12W\n\nLED Life: 25,000 BH\nIP: 20\...
13	https://sin.panasonic.com/media/2023/5/asset-...	Mini Surface Downlight- (Cabinet Light)	5W	\n3W\n\nLED Life: 20,000 BH\nVoltage Range: 14...
14	https://sin.panasonic.com/media/2023/4/mini-s...	Mini Surface Downlight	7W	\n5W\n\nLED Life: 20,000 BH\nVoltage Range: 14...
15	https://sin.panasonic.com/media/2023/5/mdlr1-...	Modular Surface Down Light (New Shape)	Connect with us via our social networks	\n7W\n\nLED Life: 25,000 BH\nVoltage Range: 14...

In [21]: `df.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 16 entries, 0 to 15
Data columns (total 4 columns):
#   Column                      Non-Null Count  Dtype
---  -
0   Product_Img                 16 non-null    object
1   Product_Names               16 non-null    object
2   Product_Wattage             16 non-null    object
3   product_Information         16 non-null    object
dtypes: object(4)
memory usage: 640.0+ bytes
```

In [22]: `df.to_csv("panasonic downlight_product info",index=False)`

In []: