



PROVIDING BRIGHTER SOLUTIONS

SIGNAGE CATALOGUE



BNZ is one of the most professional LED company in India. We are reliable suppliers with keen sense of advanced LED technology. We are well recognized for our unique and innovative solutions in the field of LED. Our business ranges from the basis of advanced techniques and effective business management system as well as quality assurance system.

We are specialized in providing the high quality and energy saving LED modules, LED cabinet lights and LED rigid strips and related application solutions for the Indian clients since its establishment. By long term efforts.our company has set up a stable mutual-benefit cooperating relationship with many notable companies. We have established ourselves at the forefront of LED lighting technologies by working directly with the leaders in LED lighting. Lighting designs and Interior Design to supply only the latest in Green Eco Friendly.

As a result, we have clear vision of products that are in demand by customers in both energy saving and LED lighting field. Our core values are to ensure the common interests for our society, clients.employees and ourselves,

We take OUR MOTTO - YOUR DREAMS OUR REALIZATION, as our first marketing notion to ensure an excellent quality and service to clients. We have one completed set of strict Quality Inspection System to monitor the entire production process to ensure our product quality meets your requirements. All our LED products comply with CE standard and the RoHS Directive.

Our passion for illuminating places and spaces in ways never seen before is what has driven us to its success.Under the common efforts of all staff and good supports from you, we fully believe we will do better in following time !



LED MODULES DESCRIPTION

The product is a LED module used for outdoor signages lights .The product is a used for outdoor lights which is designed to endure in severe conditions such as, extremely high and low temperature, and highly humid condition. even to operate in the water.

The LED Module also can be applied with 7 Variety- Lens depending on distribution type of light in the field of outdoor light application.

An LED light module. or light emitting diode module, is an LED device that is made to either function alone or that is pluggable into a compatible unit for power. Leds are available in many color options too.



EAGLE
LED MODULES



ALFA
LED MODULES



OMEGA
LED MODULES



SMART
LED MODULES

SMART
Made in Korea



Application for LED Modules :

- Logo Boxes
- Large and medium channel letters
- Created for cabinet signage
- Advertisement displays



Special Feature :

Model No.:	WH1350W	
LED Colour:	WHITE LED	
Supply Voltage:	DC 12V	
Colour temperature:	About 9,000 ~10,000k	

Best View angle	160°
LED Driver	Constant Voltage Driving System
Diffusion Lens in cap type with unique design	



LED SPEC	SAMSUNG LED 2835 pkg
Electrical polarity	+/- Polarity in electrical circuits
Installation	Easy attachment with 3M (Double-side Tape)
LED life time	Long 50,000 hours
One rank chip	Stable without color change
Waterproof rate	IP68 (waterproof 100%)



EAGLE LED MODULE

Application for LED Module

- Large or medium channel letters
- Shallow channel letters
- Advertisement displays
- Push through acrylic
- logo Boxes



Characteristics :

- Adopting SMD5730 as light source, with high purity aluminum PCB, Better heat transfer.
- Constant voltage driver ensuring full bunch with consistent brightness and stably working.
- Al substrate for LED and components, with better heat dissipation.
- Secondary optic design, 160 degree visual angle, no lights dots, good light uniformity.
- Best sealed, IP65 with moisture proof, waterproof, dust proof and impact resistance.
- All raw materials are in accordance with RoHS standards.
- Long life span: more than 50,000hours with low failure rate.



Technical Specifications

Item	PARAMETER	UNITS
LED Type	5730	
LED Quantity	3	PCS
Concatenation	20	PCS
Dimension	65*14.5*7.8	mm
Module's center dis	157	mm
Power	1.5+10%	W
Input voltage	DC12	V
Input Current	0.125+10%	
Driving Mode	Constant voltage	A
Surface Temp.	< 40	0c
Working Temp.	-20--+45	0c
Storage Temp.	-30--+60	0c
Protect level	IP65	
Lumens	140 / Per module	

ALFA LED MODULE



Application for LED Module

- Created For Cabinet Signage
- Created For Giant Channel Letter

Features for LED Module

- Uniform Illumination
- 5730(5630) chip, 1.5w,140lm
- 3 years warranty



Characteristics:

Cabinet Signage & Giant Channel Letter

- The quantity of led module for cabinet signage is 2 times more than giant channel letter Uniform Light Rank Standard & Surface Brightness Difference Standard
- The difference of area brightness is less 5%. Perfect uniform light.No lumen are wasted.
- The difference of area brightness is from 5% 10%. Good uniform light .Many lumen are wasted.
- The difference of area brightness is from 10% 20%.feel light shadow on far edge of light but ok. Test Condition
- 3mm Depth Mitsubishi White Acrylic.Other face materials may vary light uniformity and brightness.
- The color temperature is 10,000k .



Technical Specifications

Color temperature	White ,red,green,blue,yellow, pink
Standard Deviation Of color matching	<3sdcn
Voltage DC	12V
Power/Module(w)	1.5w
Current(mA)	125
Lumen/module	140 / Per Module
Efficiency(lm/w)	80
Beam Angle	160
Driving System	Constant voltage
Module/chain	20
Modules max in series	20
IP	67
Warranty	3 years
Lifetime	50,000hrs



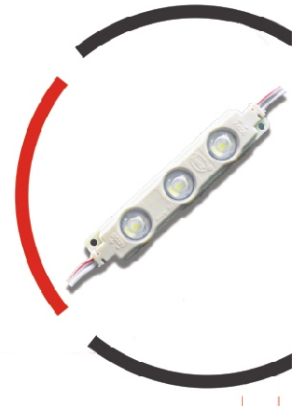
OMEGA LED MODULE

Application for LED Module

- Created For Cabinet Signage
- Created For Giant Channel Letter

Features for LED Module

- Uniform Illumination
- 5730 chip, 1.5w,135lm
- 3 years warranty



Characteristics:

Cabinet Signage & Giant Channel Letter

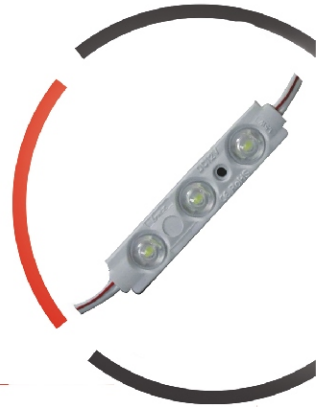
- The quantity of led module for cabinet signage is 2 times more than giant channel letter Uniform Light Rank Standard & Surface Brightness Difference Standard
- The difference of area brightness is less 5%. Perfect uniform light.No lumen are wasted.
- 3mm Depth Mitsubishi White Acrylic.Other face materials may vary light uniformity and brightness.
- The color temperature is 10,000k .



Technical Specifications

Color temperature	White ,red,green,blue,yellow, pink
Standard deviation of color rendering	<3sdc/m
Voltage DC	12V
Power/Module(w)	1.5w
Current(mA)	125
Lumen/module	135 / per Module
Efficiency(lm/w)	85
Beam Angle	160
Driving System	Constant voltage
Module/chain	20
Modules max in series	20
IP	67
Warranty	3 years
Lifetime	50,000hrs

POLARIS LED MODULE



APPLICATIONS

- Large or medium channel letters
- Wide stroke channel letters
- Advertisement displays
- Dark vinyls
- shallow box signs
- Cloud signs

Characteristics :

- High efficiency LED
- High colour consistency
- Aluminum PCB used for better heat dissipation
- Flexible chain can be split between any module
- Mounting with screw or premounted double-sided adhesive tape Made of PVC cover for higher safety
- Fully integrated heat sink
- Normal life-time up to 50,000 hrs (at tc 50°C)

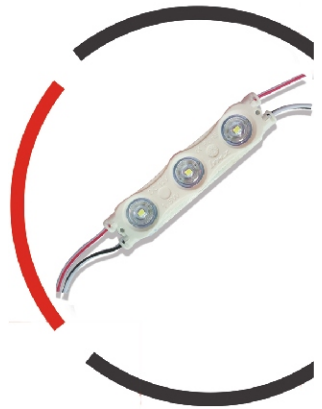


Technical Specifications

Module Luminous flux	105-115 lm/pcs
Input voltages	DC12V
Max.power	1.5W/pcs
Color for choice	W.R.G.B.Y, W/W
View angle	160°
Waterproof rate	IP 67
Operating Temperature	-10°C to +50°C
L70 Lifetime	50,000hours
Size	69*14*7.5 mm*
Weight	8.5 g/PCS*



HILIGHT LED MODULE



Application for LED Module

- Signage and illuminated advertising
- Best for 60 - 200mm depth channel letters
- Permanent outdoor use in enclosed channel letters
- Logo box
- Cove lighting



Characteristics :

- High efficiency LED
- High colour consistency
- Aluminum PCB used for better heat dissipation
- Flexible chain can be split between any module
- Mounting with screw or premounted double-sided adhesive tape Made of PVC cover for higher safety
- Fully integrated heat sink
- Normal life-time up to 50,000 hrs (at tc 50°C)

Technical Specifications

Item	PARAMETER	UNITS
LED Type	2835	
LED Quantity	3	PCS
Concatenation	20	PCS
Dimension	65*14.5*7.8	mm
Module's center dis	157	mm
Power	1.5±10%	W
Input voltage	DC12	V
Input Current	0.125±10%	
Driving Mode	Constant voltage	A
Surface Temp.	< 40	0c
Working Temp.	-20~+45	0c
Storage Temp.	-30~+60	0c
Protect level	IP65	
Lumens	140 / Per module	

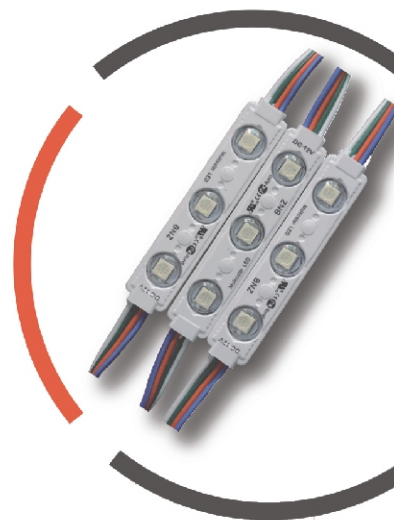
RGB

SMD 5050 RED LED Module



Application for LED Module

- Idea for in cabaret, cabinet, furniture, landscape, and architectural lighting
- Channel- letter back lights, signboard, sign and decoration and more high luminance efficiency and low power consumption
- For cable and fixing hole
- Channel letter back lighting
- Advertisement signs backlight
- Advertisement light boxes back-lighting

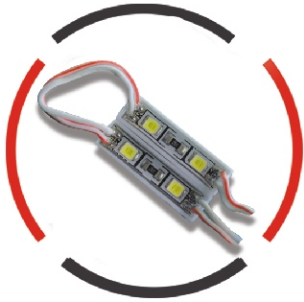


Features for LED Module

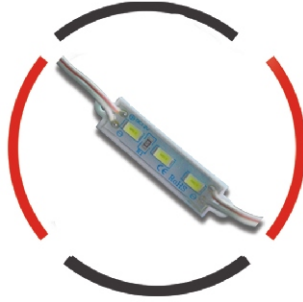
- Wide applicability, easy to install and maintain
- Extremely luminous, with wide viewing angle
- Energy saving and environmental friendly
- Various colors are available
- Very bright and low power consumption
- Long lifespan: More than 50,000 hours

Technical Specifications

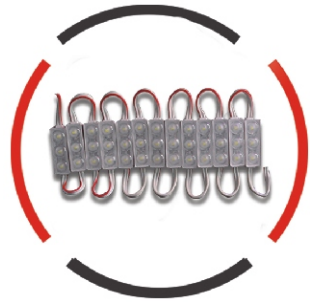
Size	75*15mm
Voltage	12V DC
Current	20mA
Light source	5050 RGB SMD LED
LED Qty	3 LEDs/Module
Power Dissipation	0.72W
IP Class	IP67
Life span	50.000 hours
Application	Advertising Channel Letter



2 Mini



3 Mini



Mini 3 Lence

Power

0.4 W

0.6 W

0.65 W

**Colour
Temp.**

Cool White
Warm White
Red, Blue, Green
Pink & Yellow

Cool White
Warm White
Red, Blue, Green
Pink & Yellow

Cool White
Warm White
Red, Blue, Green
Pink & Yellow

**Flux Per
Modules**

30 lm

50 lm

60 lm

Depth

2 - 4 inch

2 - 4 inch

1 - 3 inch

**View
Angle**

120°

120°

160°

Voltage

12 V

12 V

12 V

IP Rating

IP 20

IP 20

IP 65

Warranty

1 yr

1 yr

2 yrs

BRIGHT LIT BOX SOLUTION



Providing Brighter Solution



I LUX LED MODULE

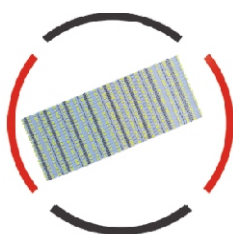
- Application for LED Module,**
- Advertisement light boxes back-lighting
 - Advertisement signs backlight
 - Channel letter back lighting
 - Channel- letter back lights, signboard, sign and decoration and more high luminance efficiency and low power consumption



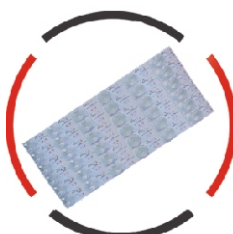
- Features for LED Module**
- Wide applicability, easy to install and maintain
 - Extremely luminous, with wide viewing angle
 - Energy saving and environmental friendly
 - Various colors are available
 - Very bright and low power consumption
 - Long lifespan: More than 50,000 hours

Technical Specifications

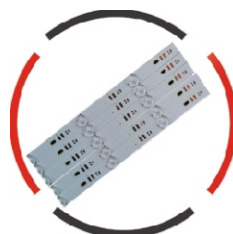
Size	75*15mm
Voltage	12V DC
Current	20mA
Light source	3030 RGB SMD LED
LED Qty	3 LEDs/Module
Power Dissipation	2W
IP Class	IP68
Life span	50,000 hours
Application	Advertising Channel Letter
Color	Cool white/Warm white
Warranty	3 Years warranty
Material	ABS/PVC
Lumens	180



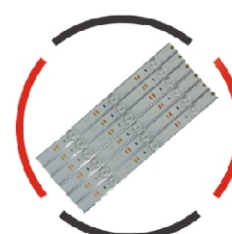
4mm



Sidelit



Backlit



Backlit W/p

Power

15.6 W/m

27 W/m

14.4 W/m

14.4 W/m

Colour

Red,Blue,Green

10000k

10000k

10000k

**No.of
LED Strip**

120

18

12

12

PCB Width

4 mm

20 mm

20 mm

**Lumen
Per LED**

132 lm

220 lm

140 lm

140 lm

**Lumen Per
Metre
(White)**

1560 lm

3960 lm

1680 lm

1680 lm

IP Rating

IP 20

IP 20

IP 20

IP 65

Warranty

2 yr

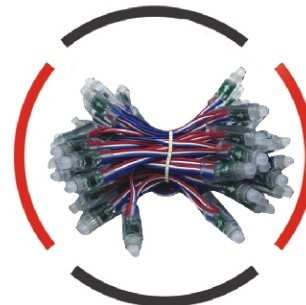
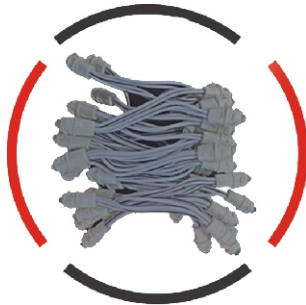
2 yr

1 yr

1 yr



**EXPOSE
LED**



Power

0.2 W

0.3 W

Colour

White
Warm White
Red, Green
Yellow & Pink,

Full Colours

IP Rating

67

67

Voltage

12 V

5 V

Watt

0.2 W

0.4 W

Warranty

1 Yr

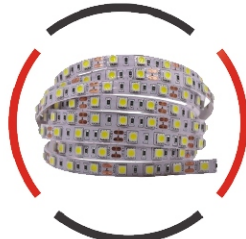
1 Yr

View

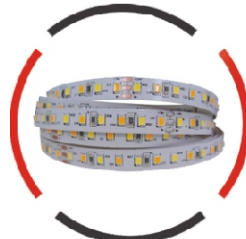
120°

120°

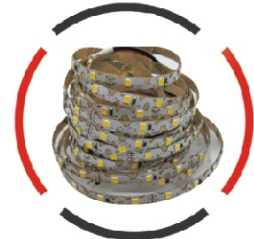
LED STRIPS



5050



2835



Zig Zag 2835

Power

72 W / Roll

72 W / 144 W / Roll

55 W / 72 W / Roll

Colour

Cool White
Warm White
Red, Green
Blue & RGB

Cool White
Warm White
Red, Green
& Blue

Cool White
Warm White
Red, Blue
& Green

**Lumen
Per LED**

19 lm

14 lm

14 lm

**Lumen Per
Metre
(White)**

1140 lm

1680 / 3360 lm

840 / 1680 lm

**No.of
LED Meter**

60

120 / 240

60 / 120

PCB Width

10 mm

8 mm, 5 mm

5 mm

Warranty

2 yrs

2 yrs

2 yrs



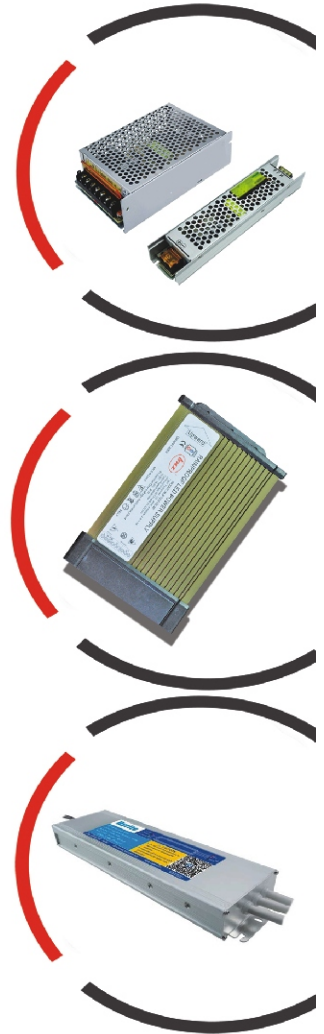
LED POWER SUPPLY

Description

A power supply is a component that supplies power to at least one electric load. Typically, it converts one type of electrical power to another, but it may also convert to a different form of energy such as solar, mechanical, or chemical - into electrical energy. A power supply provides components with electric power.

Types

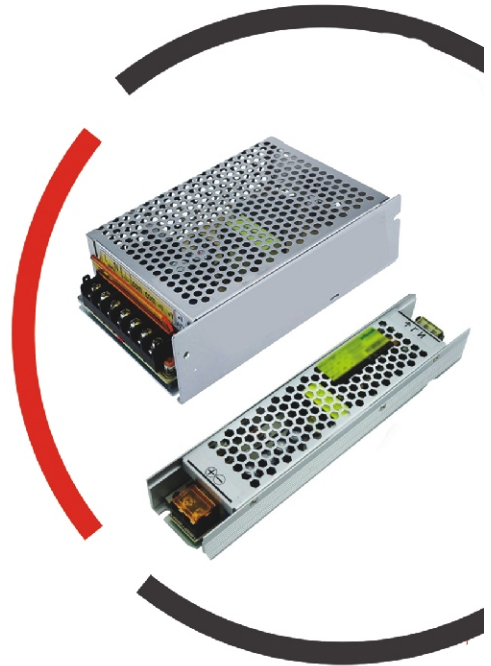
1. Bnz Non Waterproof Power Supply
2. Bnz Rain proof type
3. Bnz Waterproof type



NON WATER PROOF SUPPLY



- Non - Waterproof design
 - Excellent heat - dissipating & high reliability
 - Overload / Short Circuit / OTP
 - 1/2 years warranty
-
- AC input voltage range 120 -305V
 - Input Frequency : 47 - 63Hz
 - Surge 4KV, L / N & L / E
 - Efficiency >87%
 - THD <10%
 - Working Temperature : - 20°C + 60°C
 - IP protection : IP 24



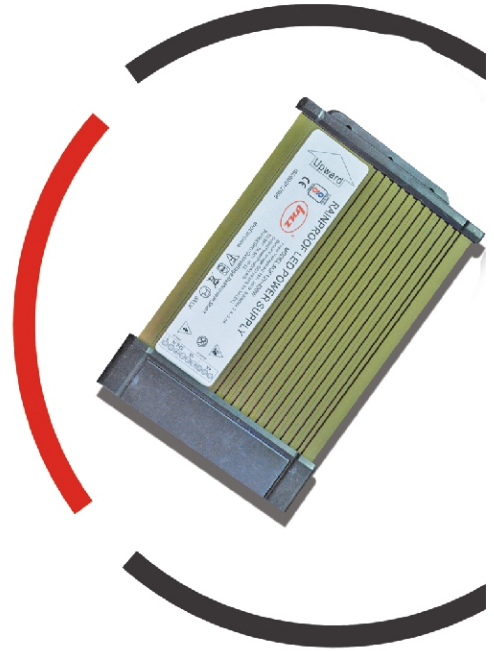
TECHNICAL SPECIFICATION

MODEL NO	POWER	OUTPUT CURRENT
BNZ-NWP-12V	25W	2.08A
BNZ-NWP-12V	40W	3.33A
BNZ-NWP-12V	60W	12.5A
BNZ-NWP-12V	100W	8.3A
BNZ-NWP-12V	150W	12.5A
BNZ-NWP-12V	200W	16.7A
BNZ-NWP-12V	250W	20.8A
BNZ-NWP-12V	400W	33.3A



RAIN PROOF SERIES

- Rainproof design
 - Excellent heat - dissipating & high reliability
 - Overload / Short Circuit / OTP
 - 1/2 years warranty
-
- AC input voltage range 120 -305V
 - Input Frequency : 47 - 63Hz
 - Surge 4KV, L / N & L / E
 - Efficiency >87%
 - THD <10%
 - Working Temperature : - 20°C + 60°C
 - IP protection : Rainproof (IP45)
 - Size (mm) : 210L x 95W x 45H



TECHNICAL SPECIFICATION

Model No.	Power	Output Current
BNZ-RP-12V	60W	5A
BNZ-RP-12V	100W	8.33A
BNZ-RP-12V	150W	12.5A
BNZ-RP-12V	200W	16.7A
BNZ-RP-12V	300W	25.0A
BNZ-RP-12V	400W	33.3A
BNZ-RP-12V	500W	41.6A
BNZ-RP-12V	600W	50.0A
BNZ-RP-12V	700W	58.3A

Model No.	Power	Output Current
BNZ-RP-5V	200W	40.0A
BNZ-RP-5V	300W	60.0A
BNZ-RP-5V	350W	70.0A

WATER PROOF SERIES



- Waterproof design
- Excellent heat - dissipating & high reliability
- Overload / Short Circuit / OTP
- 3 years warranty

- AC input voltage range 120 -305V
- Input Frequency : 47 - 63Hz
- Surge 4KV, L / N & L / E
- Efficiency >87%
- THD <10%
- Working Temperature : - 20°C + 60°C
- IP protection : Waterproof (IP67)
- Size (mm) : 307L x 85W x 36H



TECHNICAL SPECIFICATION

MODEL NO	POWER	OUTPUT CURRENT
BNZ-WP-12V	30W	2.5A
BNZ-WP-12V	60W	5.0A
BNZ-WP-12V	100W	8.3A
BNZ-WP-12V	150W	12.5A
BNZ-WP-12V	200W	16.6A
BNZ-WP-12V	300W	25.0A



LED DISPLAY SCREEN



OUTDOOR FULL COLOUR



Technical Specification

Item	SMD P4	SMD P5	SMD P6	SMD P8	SMD P10	DIP P10
Pixel Pitch	4mm	5mm	6mm	8mm	10mm	10mm
Module Size	256*128mm	320*160mm	192*192mm	256*128mm	320*160mm	320*160mm
Pixel Density/sq.m.	62500	40000	27777	15625	10000	10000
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Encapsulation	SMD 2525	SMD 2727	SMD 3535	SMD 3535	SMD 3535	DIP 346
Module Resolution	64*32dots	64*32dots	32*32dots	32*16dots	32*16dots	32*16dots
Module Max.Power	28W	46W	35W	28W	35W	40W
Optimum Viewing Distance	>4m	>5m	>6m	>8m	>10m	>10m
Optimum Viewing Angle			Horizontal:140°;Vertical:130°			Horizontal:120°;Vertical:60°
Max.Power Consumption/m ²	850W	900W	950W	825W	700W	1280W
Cabinet Size	512*512mm	960*960mm	576*576/768*768mm	512*512/768*768mm	960*960mm	960*960mm
Cabinet Resolution	128*128mm	192*192mm	96*96/128*128mm	64*64/96*96mm	96*96mm	96*96mm
Screen Weight	31 Kg/m ²	31 Kg/m ²	32 Kg/m ²	32 Kg/m ²	32 Kg/m ²	42 Kg/m ²
Driving Mode (Constant Current)	1/16 scan	1/8 scan	1/8 scan	1/4 scan	1/4 scan	1/4 scan
Brightness	>6000cd/m ²	>6000cd/m ²	>5800cd/m ²	>5800cd/m ²	>5500cd/m ²	>5500cd/m ²
Frame Frequency	>60Hz/s	>60Hz/s	>60Hz/s	>60Hz/s	>60Hz/s	>60Hz/s
Refresh Rate	>960Hz	>960Hz	>960Hz	>960Hz	>960Hz	>720Hz
Operating Environment	Temperature: -30°C+50°C;Humidity:10%-90%RH					
IP Grade	IP65/54	IP65/54	IP65/54	IP65/54	IP65/54	IP65/43
Working Voltage	AC110v/220v+10%					
Life Span	>50,000Hours					



INDOOR FULL COLOUR



Technocial Specification

Item	SMD P3	SMD P4	SMD P5	SMD P6
Pixel Pitch	3mm	4mm	5mm	6mm
Module Size	192*192mm	256*128mm	320*160mm	384*192mm
Pixel Density/sq.m.	111111	62500	400000	27777
Pixel Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B
LED Encapsulation	SMD 2121	SMD 2121	SMD 2121	SMD 2121
Module Resolution	64*64dots	64*32dots	64*32dots	64*32dots
Module Max.Power	22W	17W	28.5W	28.5W
Optimum Viewing Distance	>3m	>4m	>5m	>6m
Optimum Viewing Angle		Horizontal: 140°; Vertical: 130°		
Max.Power Consumption/m²	600W	525W	575W	800W
Cabinet Size	576*576mm	512*512mm	640*640mm	768*768mm
Cabinet Resolution	128*128mm	128*128mm	128*128mm	128*128mm
Screen Weight	28Kg/m²	35 Kg/m²	34 Kg/m²	28Kg/m²
Driving Mode (Constant Current)	1/32 scan	1/16 scan	1/16 scan	1/8 scan
Brightness	>1000cd/m²	>1000cd/m²	>1000cd/m²	>1000cd/m²
Frame Frequency	>60Hz/s	>60Hz/s	>60Hz/s	>60Hz/s
Refresh Rate	>1200Hz	>720Hz	>720Hz	>720Hz
Operating Environment	Temperature: - 30°C +50°C; Humidity:10% 90%RH			
IP Grade	IP30			
Working Voltage	AC110V/220V ±10%			
Life Span	>50,000 Hours			

OUTDOOR SINGLE DUAL COLOUR



Technicial Specification

Item	DIP Red Single color	DIP Blue Single color	DIP Green Single color	DIP White Single color	DIP Yellow Single color	DIP RG Single color
Pixel Pitch	10mm	10mm	10mm	10mm	10mm	10mm
Module Size	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm	320*160mm
Pixel Density/sq.m.	10000	10000	10000	10000	10000	10000
Pixel Configuration	1R	1B	1G	1W	1Y	1RG
LED Encapsulation	546	546	546	546	546	546
Module Resolution	32*16dots	32*16dots	32*16dots	32*16dots	32*16dots	32*16dots
Module Max.Power	20W	20W	20W	20W	20W	25W
Optimum Viewing Distance	>10m	>10m	>10m	>10m	>10m	>10m
Optimum Viewing Angle	Horizontal:80°Vertical:45°					
Max.Power Consumption/m ²	330W	230W	330W	330W	330W	330W
Module weight	0.7Kg	0.7Kg	0.7Kg	0.7Kg	0.7Kg	0.7Kg
Driving Model (Constant Current)	1/4 scan	1/4 scan	1/4 scan	1/4 scan	1/4 scan	1/4 scan
Brightness	>2000cd/ m ²	>1500cd/ m ²	>2500cd/ m ²	>3000cd/ m ²	>2000cd/ m ²	>3000cd/ m ²
Frame Frequency	>60Hz/s					
Refresh Rate	>75Hz					
Operating Environment	Temperature:- 30°C +50°C, Humidity:10% -90%RH					
IP Grade	IP65/43					
Working Voltage	Ac110V/220V+10%					
Life Span	>50,000Hours					



ALUMINIUM & SS COILS



Mirror gold



Mirror silver



Jewelry blue



Rose gold



Brushed gold



Brushed silver



Aluminum silver



Brushed rose gold



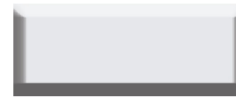
Brushed Champagne gold



Red aluminum



Black aluminum



White aluminum



Green aluminum



Yellow aluminum



Blue aluminum



Brushed stainless steel



Mirror stainless steel



Galvanized strip

TECHNICAL SPECIFICATION

Shape	Double Folder Profile	Flat Tape profile	Stainless Steel Coil
Width	60mm & 80mm	50mm, 60mm, 80mm	20mm,30mm,40mm, 50mm,60mm & 70mm
Tickness	0.6mm & 0.8mm	0.6mm & 0.8mm	0.5mm & 0.6mm
Pakage	50 meters coil	100 meters coil	100 meters coil



BNZ Industrial Pro Pvt. Ltd.,

21, 1st Floor, Munoth Complex,
343, Triplicane High Road, Chennai - 600 005.

Tel : 044 4272 2143, Mob : +91 91763 10595

E mail : amanbnzindia@gmail.com

www.bnzindia.com