

VIHA

# Evolving Light

  
LED  
energy efficient systems

# Organization Structure

The company envisions the evolution of LED under the leadership of Mr. Rakesh Malhotra, who carries 25 years of experience in computer technology and electronics, and heads the International operations. With Mr. Malhotra's expertise in product design, product development and production in China, and his team of dedicated and high spirited team members, VIHA is determined to strive for the best.

VIPIN KUMAR  
(C.E.O.)

RAVINDER KUMAR  
(DIRECTOR)

ANURAG CHOPRA  
(BUSINESS MANAGER-DELHI SOUTH)

SANJAY TAYAL  
(BUSINESS HEAD- WEST ZONE)

## COMPANY PROFILE

- Gemini Hitech Distribution India Pvt. Ltd., with H.Q. in New Delhi is a subsidiary of Gemini Hitech Pvt. Ltd., established in the year 2001 in Singapore. Gemini is associated with IT and Electronics for the past 25 years and has been effectively bringing the most innovative and ingenious technological products. Gemini connotes “trust, dependability and reliability” reinforced with its cutting edge global technologies.
- Gemini unceasingly strives for excellence, evident from its new generation of LED luminaries of international designs and quality available in various markets since the beginning of year 2009. The company distributes “**VIHA**” brand for LED Panel Lamps, LED Spot Lamps such as MR16, GU10, PAR 30, PAR 38, LED Bulbs in various wattages such as 3W/5W/7W/9W, LED T5 & T8 Tubes, LED Ceiling lights, LED Street Lights, LED Flood Lamps and Industrial LED High Bay Lights.

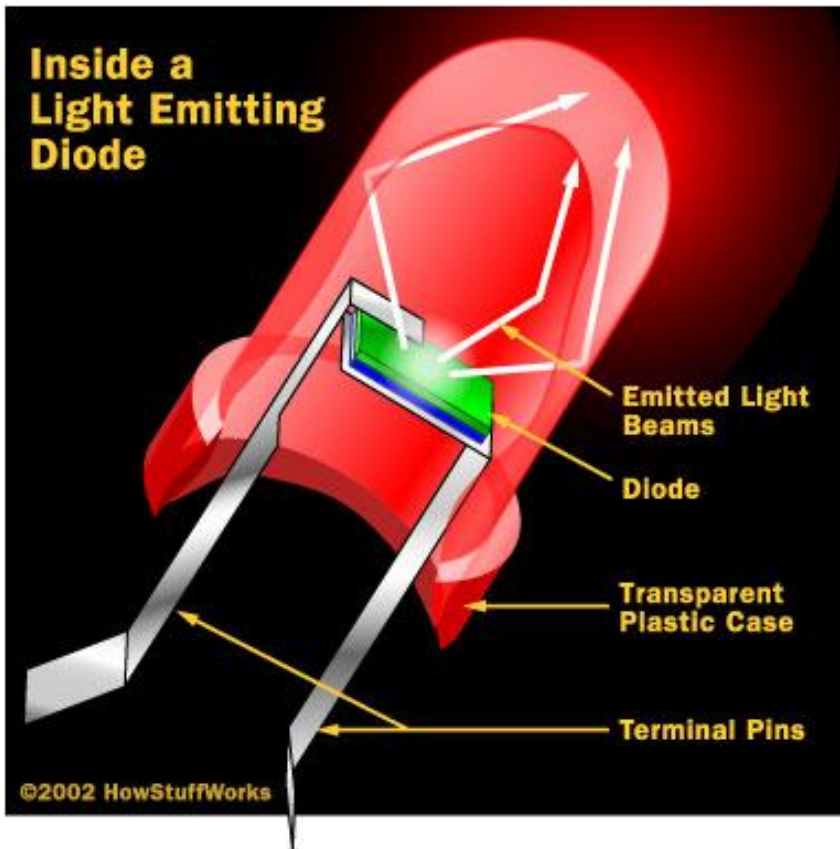
# ABOUT VIHA

- “**VIHA** “ Light has established the perfect quality management system .In order to ensure quality, all products pass 100% tests and special attention is given to selection and sourcing of raw material before it goes into the manufacturing.
- R&D support centre for “**VIHA**” is established in Singapore with manufacturing based in Shenzhen, P.R.C. The products are suitably designed for the Indian market and use right designed aluminum extruded heat sink for good heat dissipation with long lifespan of 50,000 hours.
- “**VIHA**” delivers a spectrum of energy saving LED lights to enlighten surroundings with its applications at home, offices & commercial establishments. VIHA ensure choosing the suitable LED as per application ranging from Cree & Bridgelux of USA, Epistar of Taiwan and SaNan from China.

## ABOUT VIHA

- With application of “**VIHA**” Lights, up to 65 % energy saving is possible and the capital cost can be recovered in 2 to 3 years. The LED lights can last from 6 to 8 years depending upon the usage conditions.
- A comprehensive range of selection is now available in India, which caters to the needs of users at home, offices, hotels, resorts industries and institutions.
- Architects, lighting consultants and designers aspiring to provide innovative and trendy cost effective solutions to their clients can also count on “**VIHA**” for its unmatched quality products and be assured of its timely requirements.

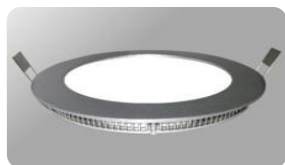
## HOW DOES LED EMIT LIGHT?



- LED (Light Emitting Diode) Chip is solid state lighting source.
- A diode is a simple semiconductor device – made out of a material with a varying ability to conduct electrical current.
- Diode chips- made from certain material - emit light, when electrical current is passed through them.

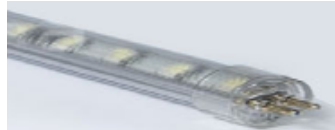
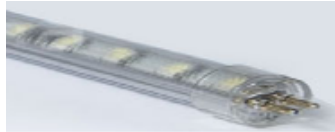


# How to choose LED Lights?



<b>Tungsten Lamp Power</b>	<b>LED Bulb Power</b>
40 W	6.8 W (80lm/W)
60 W	8.8 W (80lm/W)
100 W	10 W (80lm/W)
<b>CFL (PLC) Lamp Power</b>	<b>LED Panel Power</b>
18 W	10 W (80lm/W)
2 x 18 W	15 W (80lm/W)
<b>PAR 30 Halogen Lamp Power</b>	<b>LED Par 30 Power</b>
50W	7 W (80lm/W)
70W	12 W (80lm/W)

# Choosing the right LED



<b>T8-4 Feet fluorescent tube power</b>	<b>LED lamp power (cool white)</b>
40 W	20 W (85lm/W)
<b>T8-2 Feet fluorescent tube power</b>	<b>LED lamp power (cool white)</b>
18 W	9 W (85lm/W)
<b>T5-4 Feet fluorescent tube power</b>	<b>LED lamp power (cool white)</b>
24 W	16 W (85lm/W)
<b>T5-2 Feet fluorescent tube power</b>	<b>LED lamp power (cool white)</b>
18 W	9 W

## Choosing the right LED

Type of Lamps	Wattage (Existing Lamps)	Lifetime Hrs	Equivalent Wattage LED	Lifetime Hrs	
HPSV	150 W	5,000	70	50,000	
	250 W	5,000	112	50,000	
	400 W	5,000	180	50,000	
FT L	18 W	1,000	8	50,000	
	36 W	1,000	16	50,000	
HPMV	80 W	4,000	25	50,000	
	125 W	4,000	40	50,000	
	250 W	5,000	70	50,000	
	400 W	5,000	180	50,000	
GLS	40 W	1,000	8	50,000	

# VIHA LIGHTS MARKET SEGMENTATION

## DOMESTIC USE

### Lighting Scope

- Living Area
- Bed Room
- Dining Area
- Bar

- Kitchen
- Court Yard

- Lobby
- Garden
- Water Body

# VIHA LIGHTS MARKET SEGMENTATION COMMERCIAL USE

## Lighting Scope

- Offices
- Malls

- Software House
- Clinic & Hospitals
- Hotels

- Hyper Stores & Cold Storage
- Basement Parking
- Jewelers & Showroom

# VIHA LIGHTS MARKET SEGMENTATION

## OUTDOOR LIGHTING

### Lighting Scope

- High Rise Building
- Tower
- Façade Lighting

- Bridges
- High ways
- Tunnels
- Water Body & Landscape

# VIHA LIGHTS MARKET SEGMENTATION

## EVENT LIGHTING

### Lighting Scope

- Road Show
- Product Launch

- Exhibition
- Parties (Corporate, Wedding)

# VIHA LIGHTS MARKET SEGMENTATION ENTERTAINMENT AREA

## Lighting Scope

- Pub & Bar
- Night Club & Lounge
- Dance Floor

- Karaoke
- Spa & Health Club
- Stage Shows
- Cinema Halls



# VIHA LIGHTS MARKET SEGMENTATION

## URBAN HOUSING

### Lighting Scope

- Garden Bollard Lights
- Under Ground Parking
- Lift Lobby
- Swimming Pool

- Health Club
- Card Room
- Path way
- Water Body & Fountain
- Barbeque Pit

# VIHA LIGHTS MARKET SEGMENTATION INDUSTRIAL

Lighting  
Scope

- Factories
- Ware House
- Stock Yard
- Machine Lights
- Food Show Case & Deep Freezer



# VIHA LIGHTS SEGMENTATION BY PRODUCT

## High Power Lamps

- High Bay Lights
- Street Lights
- Flood Lamps

## VIHA SERVICES



### Services

- Rental For Events  
(Decorative Lighting)
- Lights Design Services
- Extended Warranty Lighting  
Contract

# Product Range



•LED Flexible Strip



•LED Down Light



•LED Slim Panel Light



•LED Street Light



•LED Tube Light



•LED Underwater Light



•LED Bulb



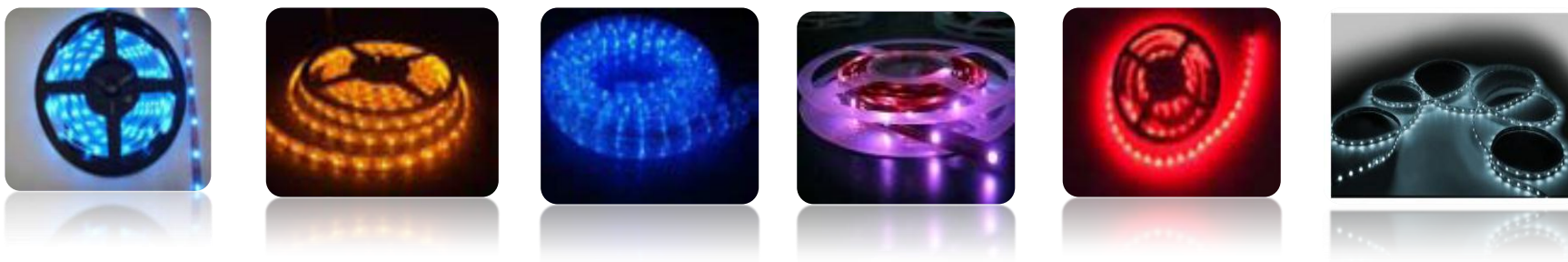
•LED Spot Lamp



•LED Controller



# LED FLEXIBLE STRIP LIGHT



Non Waterproof IP44/ Single Side Waterproof  
IP65/ Waterproof IP67

- Input Voltage: DC 12V
- Working Temperature: -30~50°C
- Color Option: WW/ NW/ CW/ RED/ GREEN/  
BLUE/PURPLE/AMBER/RGB/MAGIC
- Lifespan: Up to 20,000 hours

# Strip Light Effects





## Strip Light Segmentation

### Strip light 3528

#### 60 led/m, Non waterproof, DC12V, 5MTR/Roll

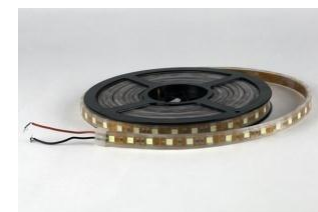
Non waterproof led flexible strip, 8mm FPC, beaming angle 120°, 24W, 300leds/roll, 3M self adhesive tape, current 2A, color options: WW, CW, NW, Blue, Red, Amber, Green



### Strip light 3528

#### 60 led/m, Single Side waterproof (PU), DC12V, 5MTR/Roll

Single side water proof, led flexible strip, dripping adhesive, 8mm FPC, beaming angle 120°, 24W, 300leds/roll, 3M self adhesive tape, DC12, current 2A.



### Strip light 3528, WP

#### 60 led/m, Waterproof (PU+PC), DC12V, 5MTR/Roll

Waterproof led flexible strip SMD3528, dripping adhesive and tube, 8mm FPC, beaming angle 120°, 24W, 300leds/roll, 3M self adhesive tape, DC12, current 2A





## LED Flexible Strip Light 5050

### Strip light 5050

#### **60 led/m, non waterproof, DC12V, 5MTR/Roll**

Non Waterproof, SMD 5050, dripping adhesive, 10mm width yellow FPC, IP44, DC 12V, 72W for 5 MTR

### Strip light 5050

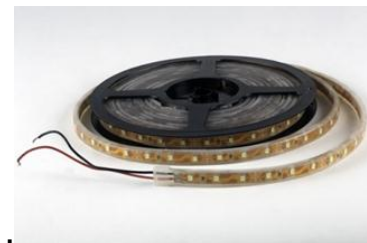
#### **60 led/m, Single Side waterproof (PU), DC12V, 5MTR/Roll**

Single side waterproof, SMD 5050 RGB dripping adhesive flexible strip, IP65, 10mm width yellow FPC, DC 12V, 72W for 5 MTR

### Strip light 5050

#### **60 led/m, waterproof (PU+PC), DC12V, 5MTR/Roll**

Waterproof, SMD 5050, dripping adhesive and silicon tube flexible strip, IP68, 10mm width yellow FPC, DC 12V, 72W for 5MTR



# LED PANEL LIGHT



- LED Slim Panel Light
- Power (W): 3/6/8/12/15/18/21/25
- Size(Dia in mm): 83/107/145/172/190/225
- Luminous Flux(lm): 240 ~ 2500
- Input Voltage: AC85-265V
- Beam angle: 140°
- Working Temperature: -30~50°C
- Color: WW/ NW/ CW
- Lifespan: Up to 30,000 hours.

# LED PANEL LIGHT



- LED Slim Panel Light
- Size(mm):83\*83/107\*107/145\*145/172\*172/190\*190/225\*225/295\*295/595\*595
- Luminous Flux(lm): 240 ~ 5300
- Power(W): 3/6/8/12/15/18/21/25/36/54
- Input Voltage: AC85-265V
- Beam angle: 140°
- Working Temperature: -30~50°C
- Color: WW/ NW/ CW
- Lifespan: Up to 30,000 hours

# 3D LED PANEL LIGHT

## 8W/15W/21W

- Using Epistar LED from Taiwan
- High Lumens achieved as 100lm/Watt
- Mitsubishi 6mm PMMA used as LGP
- 3 D Lighting Effect
- Dimmable Optional

# LED PANEL LIGHT-RF CONTROLLED 8W/15W/21W

- Color Changeable from 6500K to 3000K
- RF Controlled for easy operations
- Can be used as a Night Lamp at 10% light
- Remote Application up to 20 meters range

# LED TUBE LIGHT

**LED T5 Tube**



**LED T8 Tube**





## LED Tube

### **LED Tube Light T5 60 cm, 9W**

Input 100-240V AC, size 600mm long, 9W, PFC: >0.9, Beam angle:120°, SMD 3528, 800lm,120pcs led, frosted PC cover with aluminium alloy housing, color options: WW/NW/CW

### **LED Tube Light T5 120 cm, 16W**

Input 100-240V AC, size 1200mm long,16W, SMD 3528,1200lm, 240pcs led, frosted PC cover with aluminium alloy housing, color options: WW/NW/CW

### **LED Tube Light T8 120 cm, 21W**

Power consumption:21W,Luminous flux:1800lm, RA:70,Color, PFC: >0.9,Beam angle:120°,Dimensions(mm):  $\phi$  26X1200,Input voltage:AC100-240V,Housing:Aluminum base + frosted PC cover, External PS, color options: CW/NW/WW

## LED BULB



- LED Bulb
- Shape : Classic / Candle
- Connector Base: B22, E27, E14
- Luminous Flux(lm): 240 ~ 800
- Power(W): 3/4/5/8/9/10
- Input Voltage: AC85-265V
- Beam angle: 140°
- Working Temperature: -30~50°C
- Color: WW/CW
- Lifespan: Up to 30,000 hours





## LED Spot Lamp

### **LED Spot Lamp MR 16, 5W**

4LEDs x 1W, MR16, Input DC12, 45 degree, 320 lm, Epistar Chip, WW/NW/CW

### **LED Spot Lamp GU 10, 5W**

4LEDs x 1W, GU10, Input 240VAC, 45 degree, 320 lm, Epistar Chip, WW/CW

### **LED Spot Lamp GU 10, 6W**

3LEDs x 2W, GU10, Input 240VAC, 30 degree, 410-430 lm, Clear lens, Bridge lux chip, Aluminium Extrusion Body  
Single Chip COB also available.

### **LED Spot Lamp B22, 5W**

4LEDs x 1W, B22, Input 240VAC, 45 degree, 150-160lm, WW

## LED Spot Lamp



LED Spot Lamp

Connector Base: MR16/GU10/B22

Luminous Flux(lm): 80 lm/Watt

Power(W): 3/5/6/8

Input Voltage: AC85-265V

Beam angle: 30° / 45°

Working Temperature: -30~50°C

Color: WW/NW/CW

Life span: Up to 30,000 hours

## LED PAR30 Lamp



- LED PAR 30
- Connector Base: B22, E27
- No. of LED : 6 LED\*2W
- Luminous Flux: 70lm/Watt
- Power consumption: 12 W
- Input Voltage: AC85-265V
- Beam angle: 45°/60°
- Working Temperature: -30~50°C
- Color: WW/CW
- Life span: up to 50,000 hours

## LED TRACK LIGHT

- LED Track Lamp
- Power(W): 7/10/12/20
- Input Voltage: AC85-265V
- Color: WW/CW
- Lifespan: Up to 30,000 hours
- Housing Color: White/Black
- Option : High Power LED/ COB

## LED DOWN LIGHT



- LED Down Light (Aluminum Housing)
- No. of LEDs : 1/3/5/7/9/12/SMD5730
- Luminous Flux(lm): 80lm/Watt
- Power(W): 1/3/6/9/12
- Input Voltage: AC85-265V
- Beam angle: 30° 45° 60°
- Working Temperature: -30~50°C
- Color: WW/CW
- Life span: Up to 30,000 hours

## LED STREET LIGHT



- LED Street Light(Aluminum Die cast)
- Luminous Flux: 2800lm-6800lm
- Power(W): 12/24/30/42/70
- Input Voltage: AC85-265V
- Beam angle: 120°
- Working Temperature:
- Color: WW/ CW
- Life span: Up to 30,000 hours



## UNDER WATER LIGHT



- LED Burial light, IP65
- No. of LED :3/6/9
- Power(W): 3/6/9
- Input Voltage: DC12V
- Beam angle:38°
- Working Temperature: -30~50°C
- Color Options: WW/CW/RGB
- Life span: Up to 30,000 hours

## OUTDOOR LIGHT



LED Wall washer

IP Rating: IP 65

Luminous Flux(lm): 1600

Power: 18W

Input Voltage: AC85-265V

Beam angle:38°

Working Temperature: : -30~50°C

Color: WW / AMBER

Life span: Up to 30,000 hours.



## OUTDOOR FLOOD LAMP



- LED Flood Lamp
- IP Rating: IP 65
- Luminous Flux(lm): 80lm/Watt
- Power(W): 10/20/30/50/70/100/150
- Input Voltage: AC85-265V
- Beam angle:38°
- Working Temperature: -30~50°C
- Color: WW/CW
- Life span: Up to 30,000 hours.



# CONTROLLER



DMX 512



Dimmable  
Driver



Strip Dimmer



Strip  
Regulator



IR Strip  
Controller



RF Strip  
Controller

# POWER ADAPTOR



WALL MOUNT



DESKTOP  
TYPE

LED DC Power Adaptor: DC 12V/24V  
Power(W): 12W/24W/36W/48W/60W/72W  
Input Voltage: AC110V-240V

# PAST EVENTS AND PROJECTS



- DLF Chairman Party
- BMW Launch
- Jaipuria House Party



**Main Gate, DLF owner's Birthday Party, Gurgaon**



**Main Gate , DLF owner's Birthday Party ,Gurgaon**



**Walk Way , DLF owner's Birthday Party ,Gurgaon**



**Main Stage , DLF owner's Birthday Party ,Gurgaon**

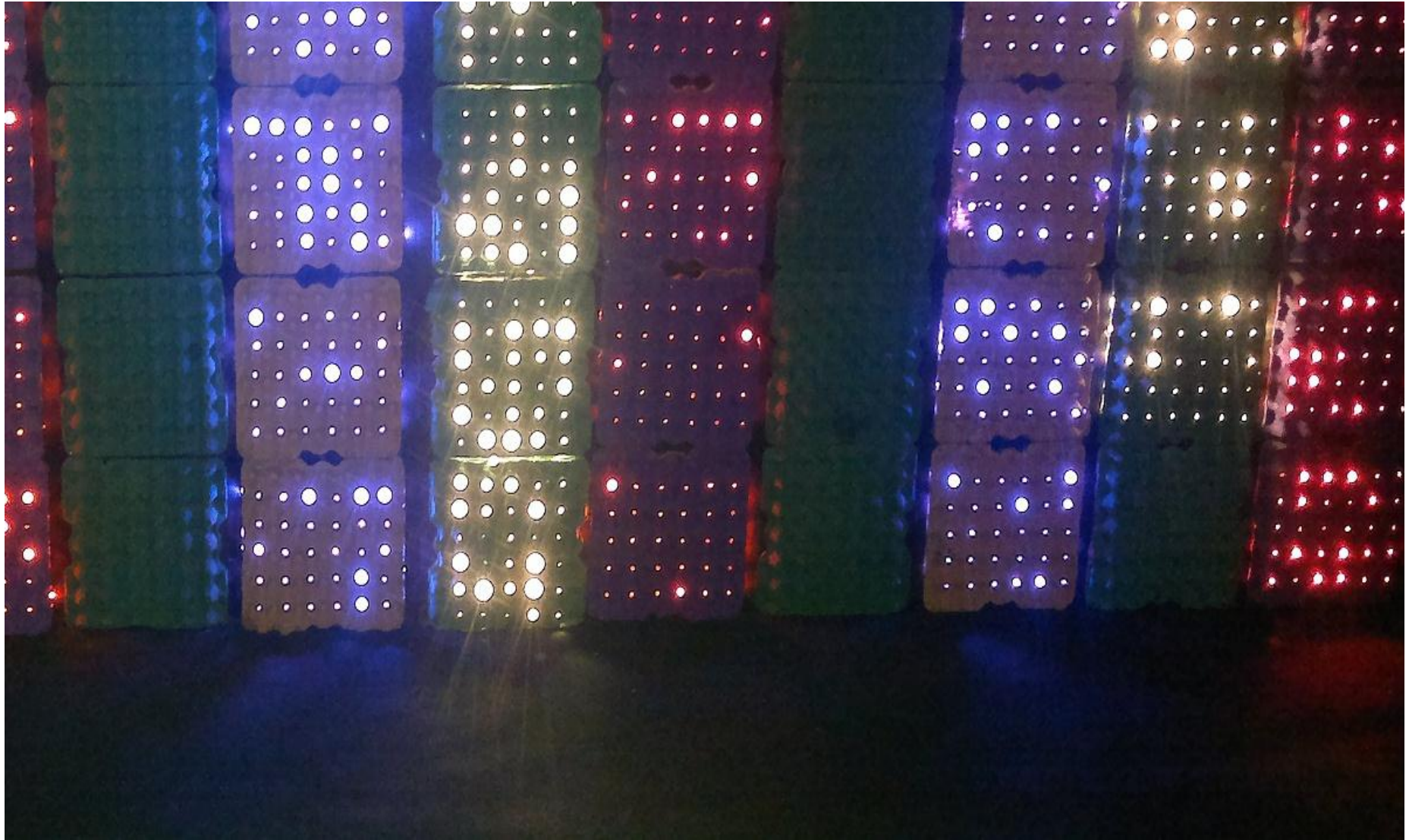




**Dinning Hall, DLF owner's Birthday Party, Gurgaon**



**BAR Counter Jaipuria House, New Delhi**



**Stage Wall Jaipuria House, New Delhi**



**BMW Car Launch Project , Gurgaon**



**BMW Car Launch Project , Gurgaon**



**BMW Car Launch Project , Gurgaon**



**BMW Car Launch Project , Gurgaon**



**BMW Car Launch Project , Gurgaon**

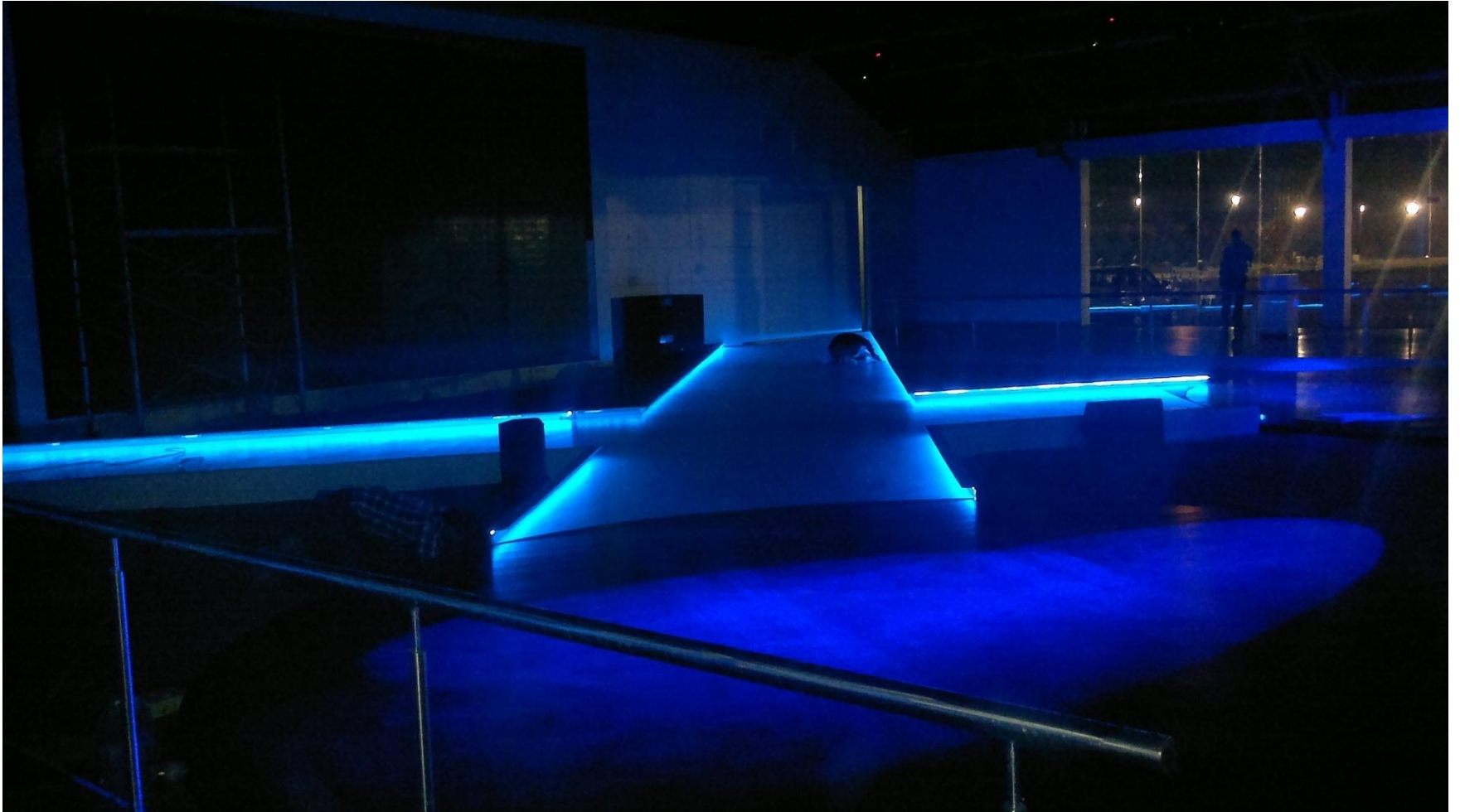




**BMW Car Launch Project , Gurgaon**



**Food Counter , BMW Car Launch Project , Gurgaon**



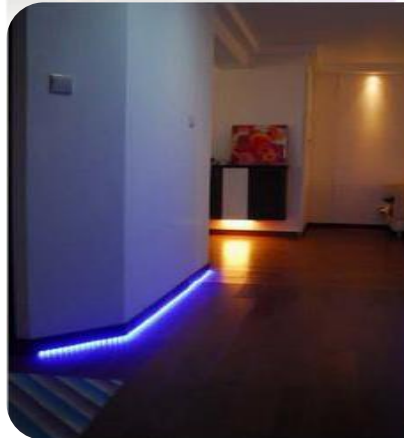
**X Ramp, BMW Car Launch Project, Gurgaon**

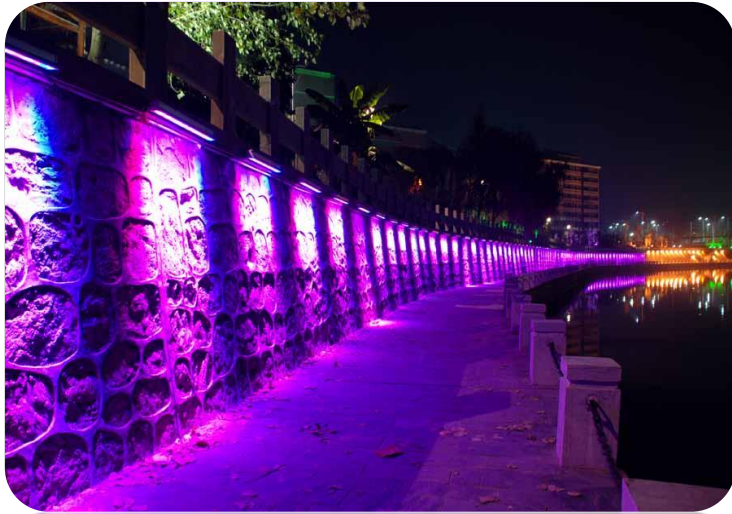


# Trade Show-LED EXPO 2010



# Application of LED Flexible Strip





# Application of LED Slim Panel

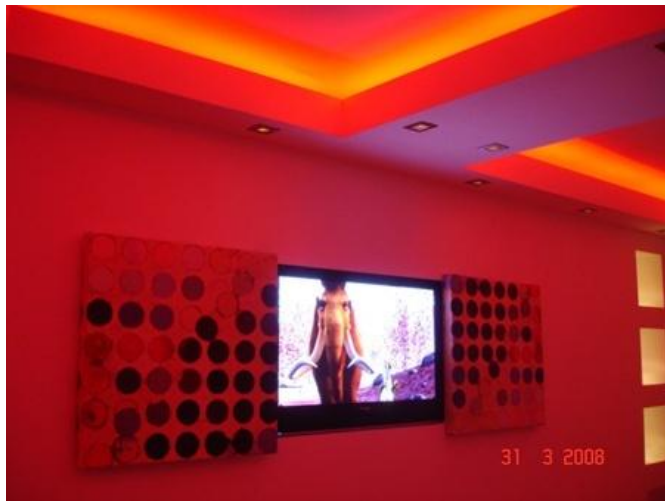




## Application of LED Tube



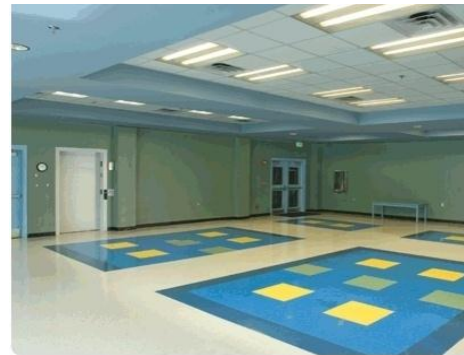
# LED Light Effects- Indoor/Outdoor



# LED Light Effects- Indoor



# Commercial & Industrial Application



# INDIAN GOVT. initiative on LED

entral Institutional  
which along with  
shall oversee the  
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LED demand  
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- part in this program
- Setting up of a neutral, trusted testing facility urgently. (Government approved Rs 25 crore for this initiative last year)
- Technical standards must be mandated by BIS

## ACCORDINGLY FOLLOWING ACTIONS HAVE BEEN TAKEN:

- White paper prepared by BEE on "Stimulating LED in India"
- Government notifications being Issued
- Ministry of Commerce issued notification to Delhi Government to ensure all showrooms or show windows using incandescent lamp or halogen lamps to immediately replace with LED down lighters. More states to follow
- Ministry of Commerce issued advisory to Ministry of Urban Development to ensure all medium and small municipalities change to LED street lighting
- Bureau of Energy Efficiency started

- Government bulk procurement
- Preparing bulk requirement of railways, airport authority, urban housing, highways and other large development projects to create a large demand to encourage industry to establish
- LED self ballasted lamp for "Bachat Lamp Yojna"
- All households within 5 km of power generating plants to be given one LED bulb free
- Test Labs
- Govt subsidising establishment of LED test facilities at existing test labs (About Rs 25 crore)
- Expected atleast 3 more Test Labs supported by government
- Total expected 12 test labs by 2015



## Clients Served

- Bank of India, C.P. New Delhi
- Donear Industries Ltd, Surat
- Sahi Export Ltd, Faridabad
- Donex Industries Ltd, Noida
- Saraswati Institute of Medical College, Ghaziabad
- Fedders Lloyod, New Delhi
- New Delhi Television Ltd, New Delhi
- Fortune Hotels, New Delhi
- Vintech Energy, New Delhi
- Phonix Hospital , New Delhi
- Art N Glass Inc., New Delhi.

# Clients Served

## Showrooms

- Inaaya Jewellers, New Delhi
- Moti Mahal Deluxe, Shankar Road, New Delhi
- Discount Medicos, New Delhi

## Architects and designers associated

- Kailash Nath Finance & Investment (P) Ltd.
- Mohanish Bhatia & Company, New Delhi
- Architect, Sachin & Company, New Delhi
- Watcon International Ltd., New Delhi
- Symphony Interiors, New Delhi

# Clients Served

## **Electrical Consultants**

- Raji Electricals, New Delhi
- Grover & Company, New Delhi
- R S Gulati Electrical Consultant, New Delhi

## **Event Managers**

- Show Times Events India Pvt. Ltd., New Delhi
- Deepali Design & Exhibits Pvt. Ltd., New Delhi
- Ms. Nishika, New Delhi



**VIHA Business Associates are in all Major  
Cities and Ask for VIHA Brand LED Products In  
case of any difficulty in getting Product , please  
Log in to**

**[www.vihalights.com](http://www.vihalights.com)**



## **HYKLAS OVERSEAS**

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