



ENERGY EFFICIENCY SERVICES LIMITED
A JV of PSUs under Ministry of Power



BUILDING ENERGY EFFICIENCY PROGRAM



PRODUCT CATALOGUE



EESL launched the Building Energy Efficiency Programme (BEEP) in 2017 to support the Government of India in meeting its COP21 commitments by optimizing energy use in the building sector and catalyzing market transition to cost effective, highly energy efficient building technologies.

A conventional non residential building costs the owner Rs. XX per square meter annually. With energy efficient technologies, this can be reduced by as much as 50%.

Buildings are an equally important area for intervention from the national perspective. Buildings account for more than 30% of total electricity used annually in the country. Curbing energy use in the building sector is key to achieving Government of India's Nationally Determined Contributions.

BEEP is now one of the largest programs for energy efficiency in buildings in the world. Nearly 31,000 energy efficient lighting and cooling appliances have been replaced across more than 10,000 buildings in less than two years. One BEEP project is essentially completed in every 20 days or less. The program delivery model particularly focuses on offering customers affordable yet high performance technologies.

EESL concentrates on two major energy end uses in buildings: cooling and lighting. Together these consume about 75% of total energy in a building. 50-60% energy savings have been achieved by replacing conventional technologies with super energy efficient lighting and cooling appliances.

31,000 ENERGY EFFICIENT APPLIANCES
AND COUNTING.....

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LED

LED

High Light Output
2 times brighter than conventional light sources
of similar wattage

Long, Maintenance-Free Life
More than 25,000 hrs

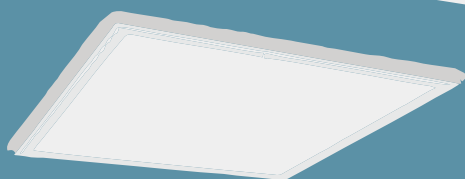
Energy Efficient
60% savings over conventional lights



High Power Factor
Power Factor more than 0.90

Eco-Friendly, No Mercury

Luminaries and lamps
available in IP 20 and IP 65



INTERIOR LIGHTING

LED LAMP

**A**

Key features:

- Long Maintenance Free Life More Than 25,000 Hours
- High Power Factor
- High Light Output
- Eco-Friendly
- Uniform Light Distribution
- Technical Specifications

B

Technical specifications:

System Wattage (W)	3	5	7	9	12	15	18
Base	Pin(B22)/Screw(E27)						
Protection Class	Ip20						
Lumen Output (lm)	300	500	700	900	1200	1500	1800
System Efficacy (lm/W)	100						
Color Temperature (K)	6500 (cool white)						
CRI	>80						
Rated Life (hours)	25,000						
Product Warranty (years)							
Additional Warranty (years)							

C

Manufacturer

- XXXXXXXXX

D

Price

- ₹ 0000.00

LED TUBE



A Key features:

- Excellent energy saving and maintenance-free operation
- Ideal solution for replacing T8 fluorescent lamps in the existing luminaires

B Technical specifications:

System Wattage (W)	20
Protection Class	IP20
Lumen Output (lm)	2000
System Efficacy (lm/W)	100
Color Temperature (K)	6500 (cool white)
CRI	>80
Operating Parameters	220V-240V, 50/60Hz
Length (mm)	1199
Diameter (mm)	28
Standard Warranty (yrs)	
Additional Warranty (yrs)	

C Manufacturer

- XXXXXXXXX

D Price

- ₹ 0000.00

LED TUBELIGHT



A Key features:

- Excellent energy saving and maintenance-free operation

B Technical specifications:

System Wattage (W)	20	2x20
Protection Class	IP20	
Lumen Output (lm)	2000	4000
System Efficacy (lm/W)	100	
Color Temperature (K)	6500 (cool white)	
CRI	>80	
Operating Voltage	220V-240V, 50/60Hz	
Length (mm)	1216	1230
Standard Warranty (yrs)		
Additional Warranty (yrs)		

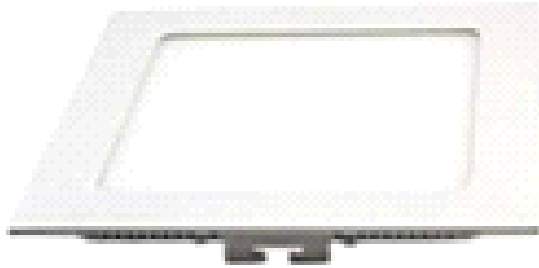
C Manufacturer

- XXXXXXXXX

D Price

- ₹ 0000.00

1X1 LED RECESS PANEL



A Key features:

- Life – XXXX hours

B Technical specifications:

System Wattage (W)	10	15	18	20
Protection Class	IP20			
Lumen Output (lm)	1000	1500	1800	2000
System Efficacy (lm/W)	100			
Color Temperature (K)	6500			
CRI	>80			
Mounting	Recessed			
Housing				
Cover				
THD	<10%			
PF	>0.9			
Operating Voltage (V)	220-240			
Cut-out Dimensions (LxWxH)(mm)	295x295x55			
Standard Warranty (yrs)				
Additional Warranty (yrs)				

C Manufacturer

- Orient, Philips, OSRAM

D Price

- ₹ 0000.00

2X2 LED RECESS PANEL



A Key features:

- Life – XXXX hours

B Technical specifications:

System Wattage (W)	25	30	36	45
Protection Class	IP20			
Lumen Output (lm)	3000	3600	4320	5400
System Efficacy (lm/W)	120			
Color Temperature (K)	6500			
CRI	>80			
Mounting	Recessed			
Housing				
Cover				
THD	<10%			
PF	>0.9			
Operating Voltage (V)	220-240			
Cut-out Dimensions (LxWxH)(mm)	595 x 595x 55			
Standard Warranty (yrs)				
Additional Warranty (yrs)				

C Manufacturer

- Philips, OSRAM, Eveready, Orient

D Price

- ₹ 0000.00

LED DOWNLIGHT – HIGH WATTAGE

**A**

Key features:

- Life – XXXX hours

B

Technical specifications:

System Wattage (W)	18	25	36
Protection Class	IP20		
Lumen Output (lm)	1600		
System Efficacy (lm/W)			
Color Temperature (K)	>80		
CRI			
Mounting			
THD	Recessed		
PF	<10%		
Operating Voltage	>0.9		
Cut-out Dimensions (mm)	220-240		
Standard Warranty (yrs)	Ø205, H-50		
Additional Warranty (yrs)			

C

Manufacturer

- Eveready, OSRAM

D

Price

- ₹ 0000.00

LED DOWNLIGHT – LOW WATTAGE



A Key features:

- Life – XXXX hours

B Technical specifications:

System Wattage (W)	10	12	15
Protection Class	IP20		
Lumen Output (lm)	700	850	1050
System Efficacy (lm/W)	70		
Color Temperature (K)	6500		
CRI	>80		
Mounting	Recessed		
THD	<10%		
PF	>0.9		
Operating Voltage	220V-240V		
Cut-out Dimensions (mm)	Ø145, H-50		
Standard Warranty (yrs)			
Additional Warranty (yrs)			

C Manufacturer

- OSRAM, Philips, Orient, havells

D Price

- ₹ 0000.00

LED SURFACE PANEL



A Key features:

- Life – XXXX hours

B Technical specifications:

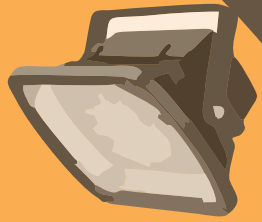
System Wattage (W)	25	30	36
Protection Class		IP20	
Lumen Output (lm)	2500	3000	3600
System Efficacy (lm/W)		100	
Color Temperature (K)		6500	
CRI		>80	
Mounting		Surface	
THD		<10%	
Housing			
Cover			
PF		>0.9	
Operating Voltage		220-240	
Product Dimensions (mm)		595 x 595	
Standard Warranty (yrs)			
Additional Warranty (yrs)			

C Manufacturer

- Orient, Philips

D Price

- ₹ 0000.00



OUTDOOR /
INDUSTRIAL

HIGH BAY



A Key features:

- Reliable housing
- High light output

B Technical specifications:

System Wattage (W)	35	70	100	140	190	250	400
Protection Class	IP65						
Lumen Output (lm)							
System Efficacy (lm/W)	>90						
Color Temperature (K)							
CRI							
Mounting	Suspended/Bracket						
Housing							
Cover							
THD	<10%						
PF	>0.9						
Operating Voltage	220V-240V, 50/60Hz						
Standard Warranty (yrs)							
Additional Warranty (yrs)							

C Manufacturer

- Orient, Philips

D Price

- ₹ 0000.00

STREETLIGHT



A Key features:

- Long lasting performance
- Uniform lighting

B Technical specifications:

System Wattage (W)	10	18	35	45	70	110	120	190
Protection Class	IP65							
Lumen Output (lm)								
System Efficacy (lm/W)	>100							
Color Temperature (K)	6500							
CRI								
Mounting	Pole mounted – Side entry with outer diameter							
Housing								
Cover								
THD	<10%							
PF	>0.9							
Operating Voltage	220V-240V							
Standard Warranty (yrs)								
Additional Warranty (yrs)								

C Manufacturer

- Orient, Philips

D Price

- ₹ 0000.00

FLOODLIGHT



A Key features:

- Robust design
- Installer friendly

B Technical specifications:

System Wattage (W)	35	70	110	140	190
Protection Class	IP65				
Lumen Output (lm)					
System Efficacy (lm/W)	>100				
Color Temperature (K)	6500				
CRI					
Mounting	Wall/ Bracket				
THD	<10%				
PF	>0.9				
Operating Voltage	220V-240V, 50/60Hz				
Housing	LM6 high pressure die cast aluminum				
Cover					
Standard Warranty (yrs)					
Additional Warranty (yrs)					

C Manufacturer

- Orient, Philips

D Price

- ₹ 0000.00

LED LAMPS: POST-TOP/BOLLARDS



A

Key features:

- Long Maintenance Free Life More Than 25,000 Hours
- High Power Factor
- High Light Output
- Eco-Friendly
- Uniform Light Distribution

B

Technical specifications:

System Wattage (W)	25	35	45	70
Base				
Protection Class	Pin(B22)/Screw(E27)			
Lumen Output (lm)	lp20			
System Efficacy (lm/W)				
Color Temperature (K)	100			
CRI	6500 (cool white)			
Rated Life (hours)	>80			
Product Warranty (years)	25,000			
Additional Warranty (years)				

C

Manufacturer

- XXXXXXXX

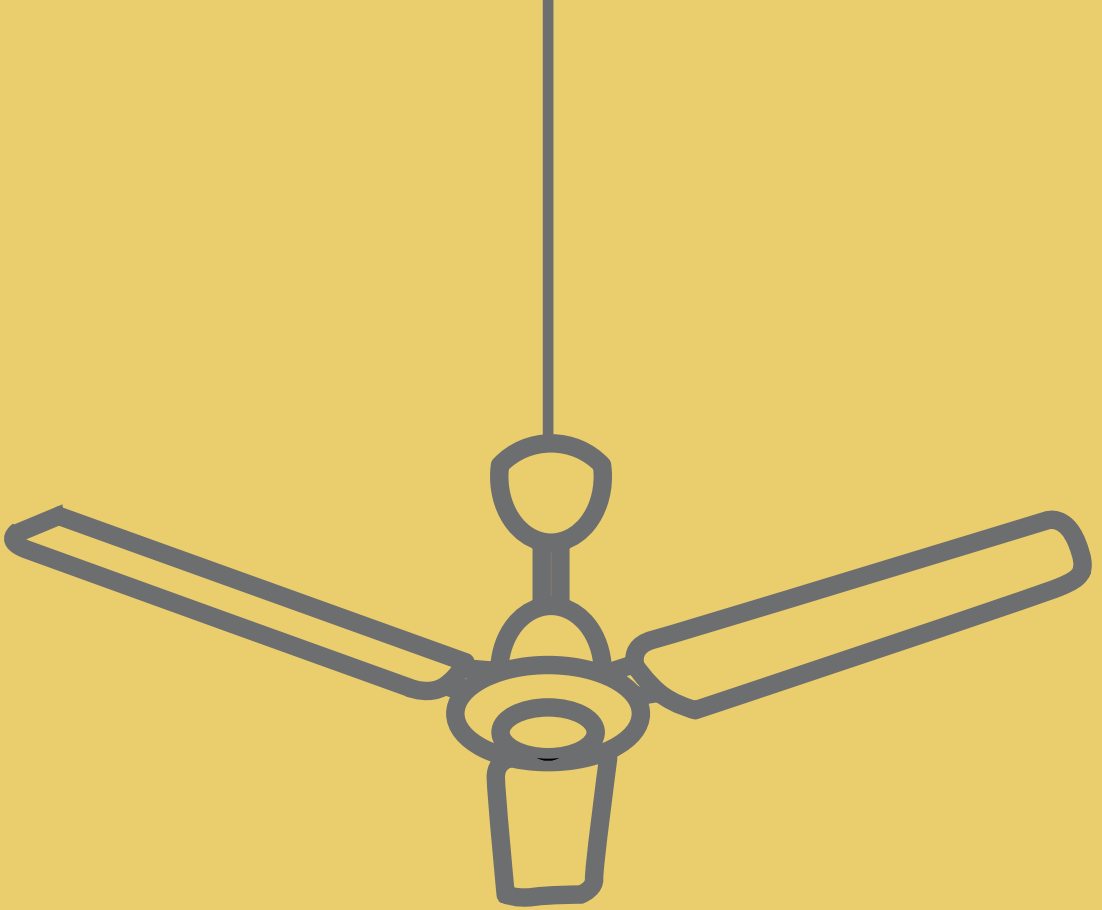
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Price

- ₹ 0000.00



FANS



5 star rated ceiling fans are
30-50% more energy efficient

ceiling fans account for **30-40%**
of total electricity use in buildings

can save upto 1,000 /-
annually in bills

energy efficient fans deliver best performance
at low speeds

BEE 5-STAR CEILING FAN



A Key features:

- Energy savings up to 50%
- Copper motor and ribbed aluminum blades for durability
- High air delivery

B Technical specifications:

System Wattage (W)	55
Colors	White, Ivory, Brown
Sweep (mm)	1200
Air Delivery (CMM)	270
Operating Voltage	220V-240V, 50/60Hz
Standard Warranty (years)	2
Additional Warranty (years)	To be verified through contract

C Manufacturer

- Orient

D Price

- ₹ 0000.00



AIR-CONDITIONERS

BE GREEN, BE SMART

with Asia's most energy efficient AC

Consumers can save
upto 40% electricity through
EESL's Super-efficient ACs

100% copper coil and
anti-rust coating for durability

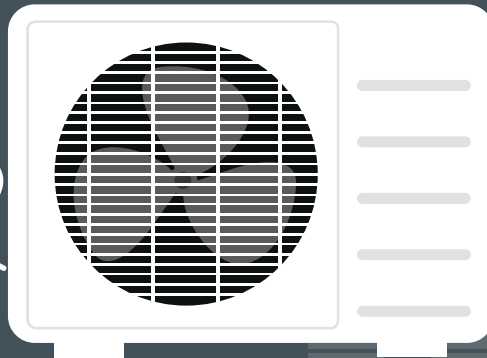
silent performance,
greater reliability
and superior air delivery

Greenest Refrigerant

Uniform Cooling
@ 52 deg C

Extensive Product Warranties
and AMC

Minimum 5.2 ISEER



Air conditioners consume xx% percent of electricity in buildings.

SAVE 20% TODAY AND THEN SAVE 35% EVERY MONTH

SUPER-EFFICIENT AIR CONDITIONER (1.5 TON)

**A**

Key features:

- High ambient cooling even at 52°C
- No derating at 43°C
- Eco-friendly refrigerant gas
- 5-year compressor warranty

B

Technical specifications:

BEE Star Rating	5
Full load cooling capacity (W)	5280 (1.5 ton)
Half load cooling capacity (W)	2640
Full load input power (W)	1310
Half load input power (W)	433
ISEER	5.4
Power Supply (V/Hz/Ph)	230/50/1 phase
Compressor Type	Twin Rotary – BLDC
Air Flow Volume – Indoor (CMH)	950
Operation	LCD Remote
Max Ambient Temp. Operating Range (°C)	52
Refrigerant Type	R32
Indoor Unit Dimension (WxHxD) (mm)	990x315x242
Indoor Unit Net/Gross Weight (kg)	13.5/16.5
Outdoor Unit Dimension (WxHxD) (mm)	870x600x355
Outdoor Unit Net/Gross Weight (kg)	33.5/39
Piping Connections (Diameter) (mm)	Copper Ø12.5
Connecting Pipe Length (m)	3
Standard Warranty	1 year comprehensive, 5 year on compressor
Additional Warranty	

D

Price

- ₹ 0000.00

BEE 5-STAR SPLIT AIR CONDITIONER (1 TON)



A Key features:

● XXXXXX

B Technical specifications:

BEE Star Rating	5
Full load cooling capacity (W)	
Half load cooling capacity (W)	
Full load input power (W)	
Half load input power (W)	
ISEER	
Power Supply (V/Hz/Ph)	230/50/1 phase
Compressor Type	
Air Flow Volume – Indoor (CMH)	
Operation	
Max Ambient Temp. Operating Range (°C)	
Refrigerant Type	
Indoor Unit Dimension (WxHxD) (mm)	
Indoor Unit Net/Gross Weight (kg)	
Outdoor Unit Dimension (WxHxD) (mm)	
Outdoor Unit Net/Gross Weight (kg)	
Piping Connections (Diameter) (mm)	
Connecting Pipe Length (m)	
Standard Warranty	1 year comprehensive, 5 year on compressor
Additional Warranty	1 year/2 year/4 year

C Manufacturer

● Voltas

D Price

● ₹ 0000.00



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