

1. Advantage of LED – Comparison of the lights



							
	LED Lighting	Incandescent Lamp	Halogen	Fluorescent Lamp	Mercury Lamp	Metal Halide	High-pressure Sodium Lamp
Capacity (W)	3.3~∞	19~1,000	100~1,500	4~110	40~3,000	175~2000	250~1,000
Efficiency (Lm/W)	100	16~20	20	40~90	30~65	65~100	92~130
Real Efficiency (%)	95	30~50	30~50	60~70	30~50	30~50	30~50
Expected Lifetime	30,000~50,000	1,000~2,000	2,000	8,000~10,000	12,000	9,000	12,000
Color	White RGB Full Color	Yellow	Yellow	White	White	White	Yellow
Lighting Time	Right away	Fast	Fast	Normal	8~10 min.	8~10 min.	8~10 min.
Relighting time	Right away	Fast	Fast	Normal	Impossible	Impossible	Impossible
Ignition Exothermic (°C)	~85	~300	~300	~150	~200	~400	~400
Explosion/Ignition	None	Normal	Normal	Low	High	Very High	High
Environmental Damages	None	Low	Normal	High	Very High	High	Low

2. LED PANEL LIGHTING



LED FLAT PANEL LIGHTING

Product Feature

- Indirect lighting which can create a smooth lighting atmosphere due to its wide light-emitting extent.
- It is able to replace with the existing 2 - tube fluorescent lights and FPL 4 -tube fluorescent lights.
- No Mercury, UV and IR radiation can be avoided.

Application

- Mall, Office, Hospital, Library, Hotel, Museums, Clean room, Public Facilities, etc.,

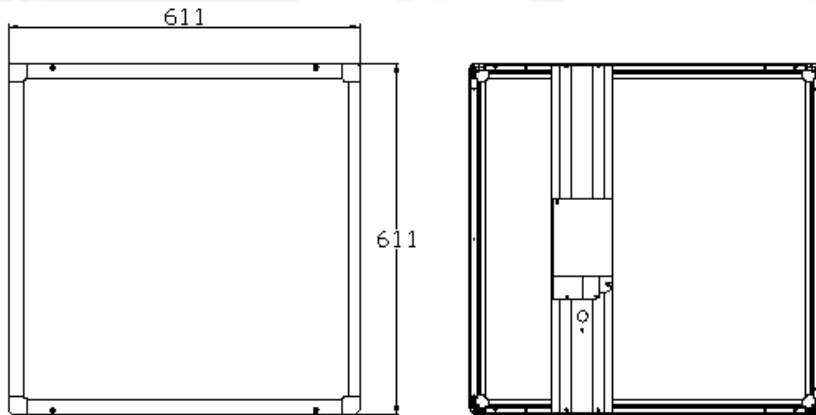


PRODUCT LINE UP



LED FLAT PANEL LIGHTING

Dimension



Specification

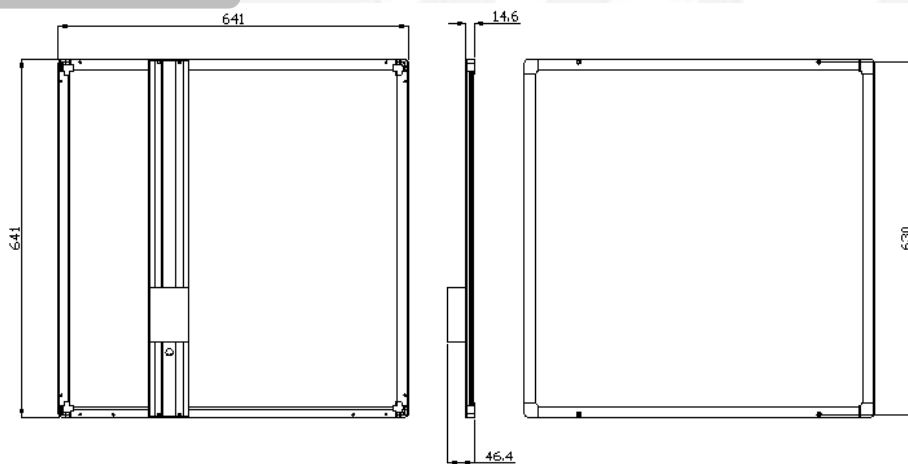
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
40	4,200	5,000 / 5700	80+	105	125°	M-bar	610x610	3.1	50,000	25°C	-	AGFB-06060W40B A

PRODUCT LINE UP



LED FLAT PANEL LIGHTING

Dimension



Specification



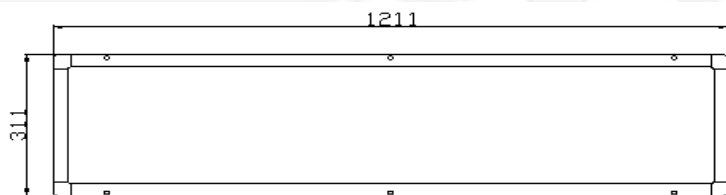
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
40	4,750	5,000 / 5700	80+	105	125°	M-bar	641x641	3.5	50,000	25°C	-	AGFB-06464W40B A

PRODUCT LINE UP



LED FLAT PANEL LIGHTING

Dimension



Specification

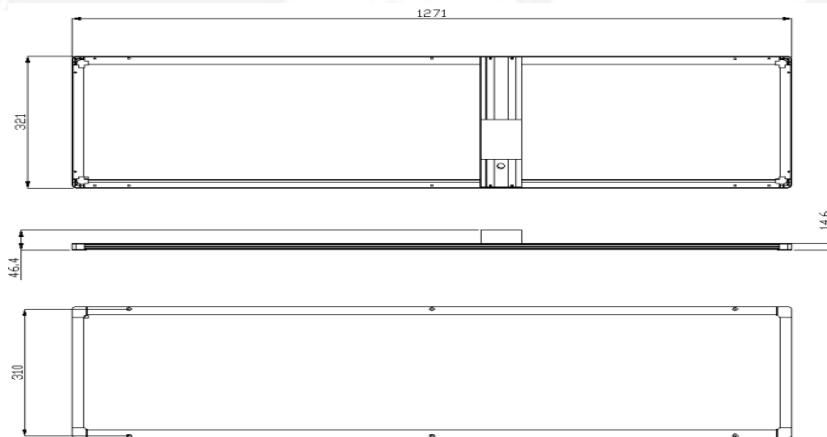
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
40	4,200	5,000	80+	105	125°	M-bar	1210 x 310	3.1	50,000	25°C	-	AGFB-12030W40B A

PRODUCT LINE UP



LED FLAT PANEL LIGHTING

Dimension



Specification

Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
40	4,750	5,000 / 5700	80+	105	125°	M-bar	1271 x 321	3.5	50,000	25°C	-	AGFB-12732W40B A

3. LED FACTORY LIGHTING



LED FACTORY LIGHTING

Product Feature

- High brightness, Low Energy consumption, Soft lighting, No glare, Excellent heat radiation.
- 45 degree and 110 degree of beam angle using Special designed lens.
- Long life-time, reducing maintenance and re-lamping costs.

Application

- Commercial Buildings , Factories, Warehouses, Supermarkets , Theatre, Public places, Indoor playground, etc.

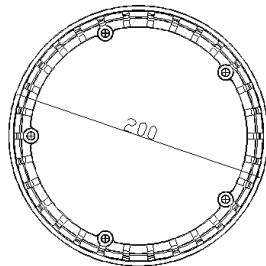
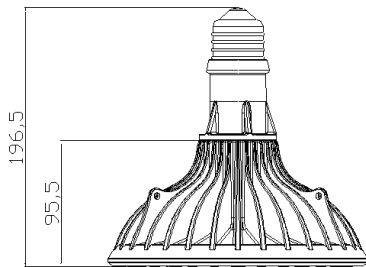


PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

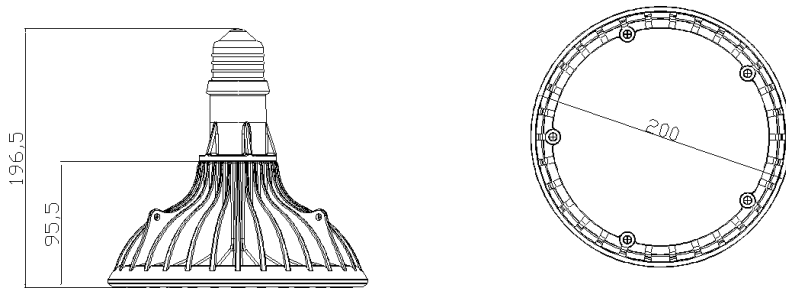
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
90	8,865	5,000	75	98.5	45	E39	196.5mm*Φ200	1.9	40,000	-30 ~ 50°C		KFA-90-E39(45)

PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

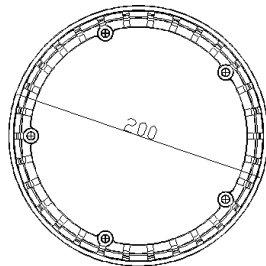
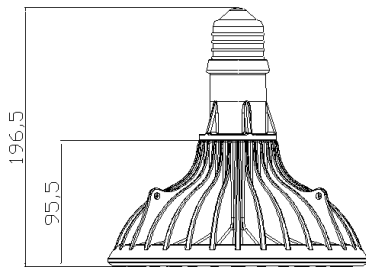
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
90	9,000	5,000	75	100	110	E39	196.5mm*Φ200	1.9	40,000	-30 ~ 50°C		KFA-90-E39(110)

PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

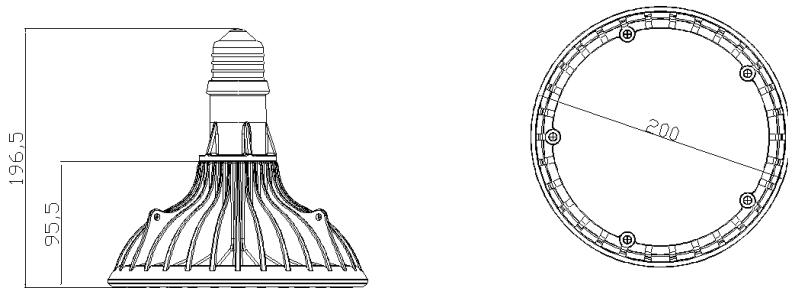
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PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

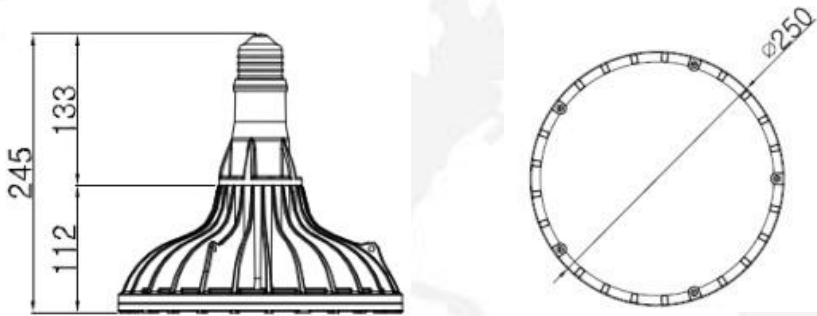
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
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PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

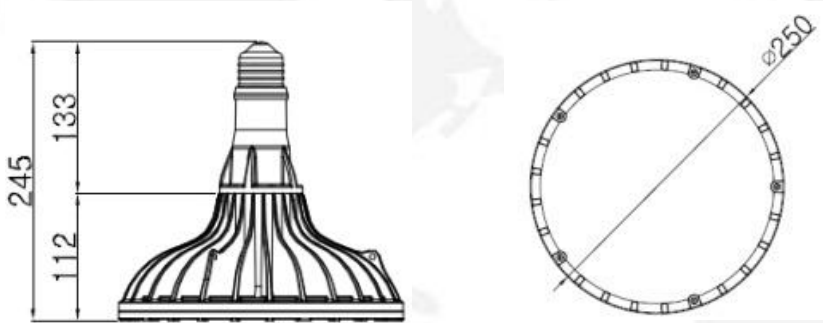
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
150	14,500	5,000	75	100	110	E39	245mm*Φ250	2.6	40,000	-30 ~ 50°C		KFA-150-E39(110)

PRODUCT LINE UP



LED FACTORY LIGHTING

Dimension



Specification

Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
150	14,250	5,000	75	98.5	45	E39	245mm*Φ250	2.6	40,000	-30 ~ 50°C		KFA-150-E39(45)

3. LED TUBE LIGHTING



LED TUBE LIGHTING

Product Feature

- Quick, simple and safe replacement without rewiring.
- Slimmer and lighter design as Fluorescent Lamps.
- Optimum Construction and Minimized Glare.
- Long life-time, reducing maintenance and re-lamping costs.

Application

- Office, Hospital, Library, indoor parking lot, Factory, Education Facility, Public Facilities, etc.

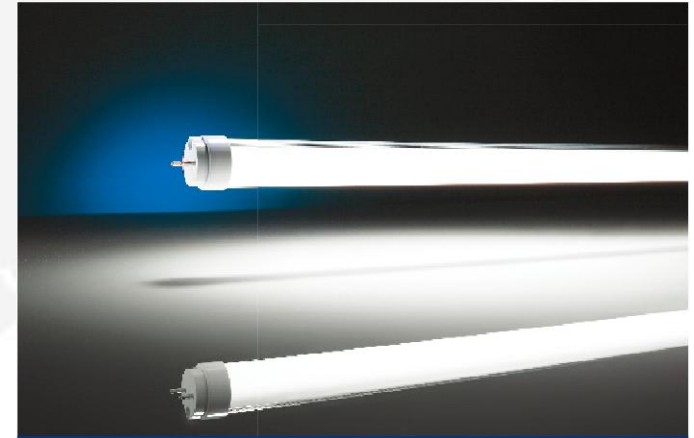
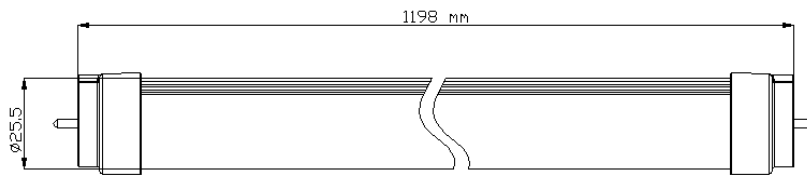
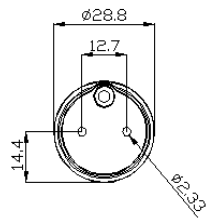


PRODUCT LINE UP



LED TUBE LIGHTING

Dimension



Specification

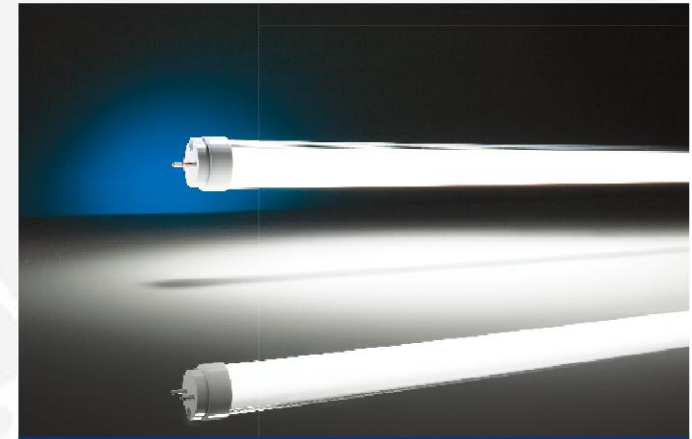
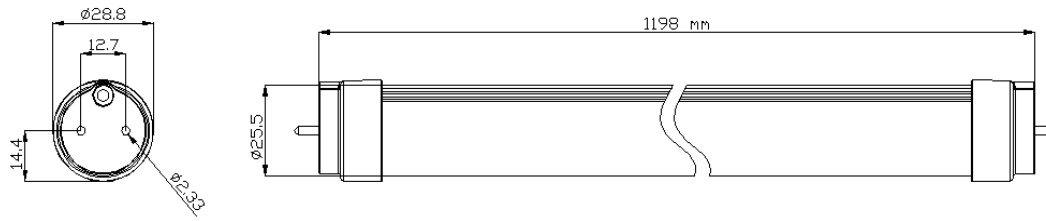
Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
18	2,550	5,700	80+	140	125°	G-13	1200mm * Φ26	0.294	50,000	25°C	T8	AGTB- 12G1957A

PRODUCT LINE UP



LED TUBE LIGHTING

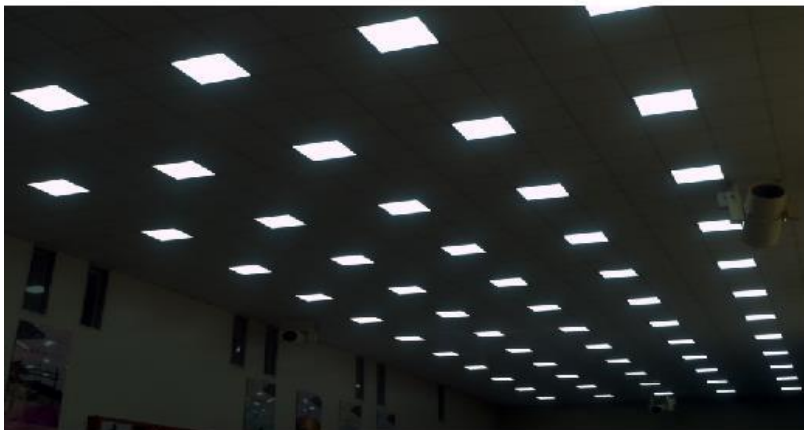
Dimension



Specification

Power Consumption (W)	Total Luminous Flux (lm)	Color Temperature (K)	CRI (Ra)	Luminous Efficiency (lm/W)	Beam Angle (°)	Ceiling Type	Dimension (mm)	Weight (kg)	Life time (H)	Operating Temperature (°C)	Note	Model Name
19	2,280	5,000	80+	120	125°	G-13	1200mm * Φ35	0.314	50,000	25°C	T10	AGTC- 12G1950 A

4. INSTALLATION CASE



4. INSTALLATION CASE

