

**EMOTTER**  
**ENERGY INC**



2024 - 2025

**LED**

**PRODUCT**

**CATALOGUE**



# LOW VOLTAGE LAMP



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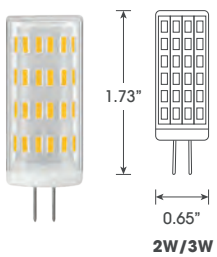
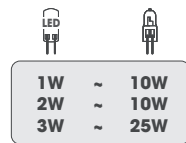
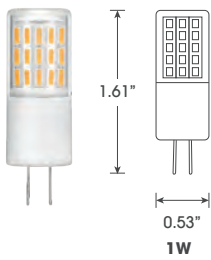


**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional halogen lamps with compact size
- Suitable for operation with all magnetic transformers, LED drivers and most electronic ballasts

**LED G4**

Model	Voltage	Wattage	Base	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA G4 1W	12V AC / DC	1W	G4	3000K / 4000K / 6500K	100lm / 110lm / 120lm
LED NA G4 2W	12V AC / DC	2W	G4	3000K / 4000K / 6500K	200lm / 210lm / 220lm
LED NA G4 3W	12V AC / DC	3W	G4	3000K / 4000K / 6500K	300lm / 310lm / 320lm





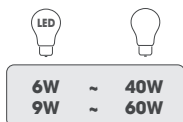
**Features**

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional incandescent light source in traffic signals, EM lighting and outdoor lighting with 25 times longer life
- Extra low voltage (ELV) safe against electric shock, especially in damp locations

**Thermal Plastic LED A19 12V/24V**



Model	Voltage	Wattage	Base	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA TP A19 6W	12V AC / DC	6W	E26	3000K / 4000K / 6500K	470lm / 480lm / 490lm
LED NA TP A19 9W	12V AC / DC	9W	E26	3000K / 4000K / 6500K	800lm / 825lm / 850lm
LED NA TP A19 6W	24V AC / DC	6W	E26	3000K / 4000K / 6500K	470lm / 480lm / 490lm
LED NA TP A19 9W	24V AC / DC	9W	E26	3000K / 4000K / 6500K	800lm / 825lm / 850lm

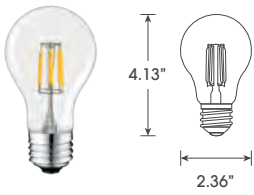




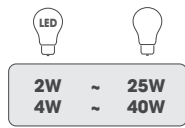
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional incandescent light source in traffic signals, EM lighting and outdoor lighting with 25 times longer life
- Extra low voltage (ELV) safe against electric shock, especially in damp locations

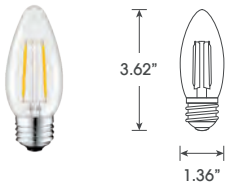
**Filament-LED A19 12V/24V**



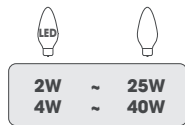
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA A19 FIL-2W-G CL	12V AC / DC	2W	E26	2700K	200lm
LED NA A19 FIL-4W-G CL	24V AC / DC	4W	E26	2700K	400lm



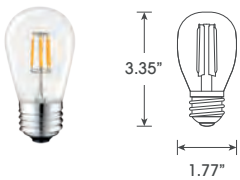
**Filament-LED B10 12V/24V**



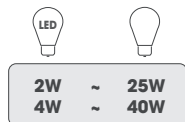
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA B10 FIL-2W-G CL	12V AC / DC	2W	E12	2700K	200lm
LED NA B10 FIL-4W-G CL	12V AC / DC	4W	E26	2700K	400lm
LED NA B10 FIL-2W-G CL	24V AC / DC	2W	E12	2700K	200lm
LED NA B10 FIL-4W-G CL	24V AC / DC	4W	E26	2700K	400lm



**Filament-LED S14 12V/24V**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA S14 FIL-2W-G CL	12V AC / DC	2W	E26	2700K	200lm
LED NA S14 FIL-4W-G CL	12V AC / DC	4W	E26	2700K	400lm
LED NA S14 FIL-2W-G CL	24V AC / DC	2W	E26	2700K	200lm
LED NA S14 FIL-4W-G CL	24V AC / DC	4W	E26	2700K	400lm

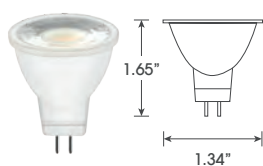




## Features

- Extremely energy saving with low power consumption
- Aesthetic reflector optics
- Good color rendition, Ra  $\geq$ 80
- Ideal retrofit of traditional MR11 with identical size
- Broad compatibility with magnetic and 12V AC electronic transformers
- At least 20% loading of power rating is required for 12V AC electronic transformers

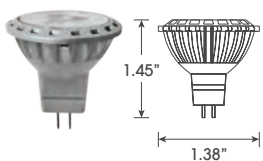
## Thermal Plastic LED MR11



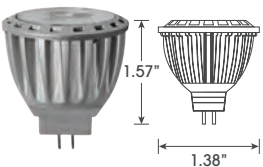
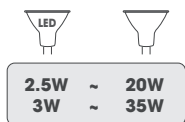
Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA TP MR11 4W	12V AC / DC	4W	GU4	38° / 60°	3000K / 4000K / 6500K	280lm / 290lm / 300lm



## LED MR11



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA MR11 2.5W	12V AC / DC	2.5W	GU4	30°	3000K / 4000K / 6500K	220lm / 235lm / 250lm
LED NA MR11 3W	12V AC / DC	3W	GU4	30°	3000K / 4000K / 6500K	320lm / 335lm / 350lm



NORTH AMERICA



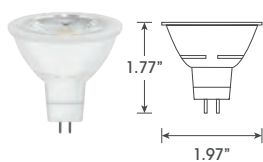
LOW VOLTAGE LAMP



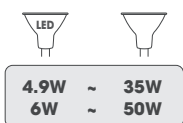
## Features

- Extremely energy saving with low power consumption
- Aesthetic reflector optics
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional MR16 with identical size
- Broad compatibility with magnetic and 12V AC electronic transformers

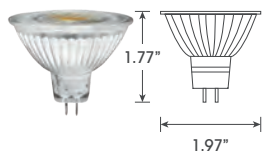
## Thermal Plastic LED MR16



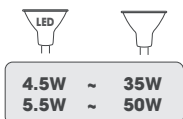
Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA TP MR16 4.9W	12V AC / DC	4.9W	GU5.3	24° / 38° / 60°	3000K / 4000K / 6500K	400lm
LED NA TP MR16 6W	12V AC / DC	6W	GU5.3	24° / 38° / 60°	3000K / 4000K / 6500K	500lm



## Glass LED MR16



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen 3000K / 4000K / 6500K
LED NA G MR16 4.5W	12V AC / DC	4.5W	GU5.3	38°	3000K / 4000K / 6500K	440lm
LED NA G MR16 5.5W	12V AC / DC	5.5W	GU5.3	38°	3000K / 4000K / 6500K	540lm



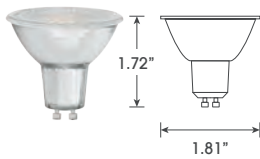
## LED GU7



### Features

- Extremely energy saving with low power consumption
- Broad compatibility with magnetic and 12V electronic transformers
- Good color rendition, Ra  $\geq$ 80
- Ideal retrofit solution for GU7 halogen lighting
- Same glass body finishing and identical size
- No mercury and hazardous substances

## Glass LED GU7



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA G GU7 4W	12V AC / DC	4W	GU7	36°	3000K	300lm



## LED PAR

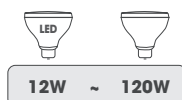


### Features

- Extremely energy saving with low power consumption
- Full glass reflector
- Good color rendition, Ra  $\geq$ 80
- Frontal lens in total silicon sealing
- Suitable for pool / fountain and outdoor lighting with waterproof fixtures

## Glass LED PAR38 12-24V

Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA G PAR38 12W	12 - 24V AC / DC	12W	E26	60°	3000K / 4000K / 6500K	980lm / 1005lm / 1030lm





# LINE VOLTAGE LAMP



LED FILAMENT  
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LED DECOR FILAMENT  
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LED DECOR COLOR  
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LED THERMAL PLASTIC BULB  
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LED G9  
P. 175



LED GU10  
P. 176



LED BR30  
P. 177



LED PAR  
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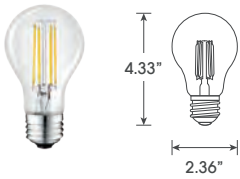




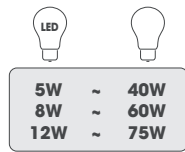
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- High color rendition, Ra ≥90
- Full glass version ideal retrofit of traditional lamps with same appearance / performance / dimensions
- CCT 4000K is also available

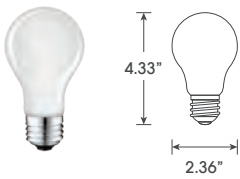
**Filament-LED A19**



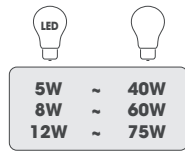
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA A19 FIL-5W-G CL DIM	120V	5W	E26	2700K	450lm
LED NA A19 FIL-8W-G CL DIM	120V	8W	E26	2700K	800lm
LED NA A19 FIL-12W-G CL DIM	120V	12W	E26	2700K	1100lm



**Filament-LED A19 Opal**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA A19 FIL-5W-G OP DIM	120V	5W	E26	2700K	430lm
LED NA A19 FIL-8W-G OP DIM	120V	8W	E26	2700K	750lm
LED NA A19 FIL-12W-G OP DIM	120V	12W	E26	2700K	1050lm

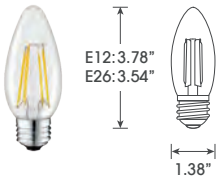




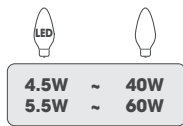
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- High color rendition, Ra ≥90
- Full glass version ideal retrofit of traditional lamps with same appearance / performance / dimensions
- CCT 4000K is also available

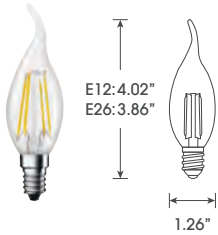
**Filament-LED B11**



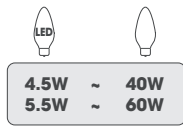
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA B11 FIL-4.5W-G CL DIM	120V	4.5W	E12 / E26	2700K	360lm
LED NA B11 FIL-5.5W-G CL DIM	120V	5.5W	E12 / E26	2700K	500lm



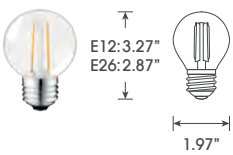
**Filament-LED CA10**



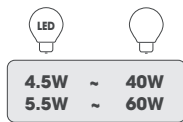
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA CA10 FIL-4.5W-G CL DIM	120V	4.5W	E12 / E26	2700K	360lm
LED NA CA10 FIL-5.5W-G CL DIM	120V	5.5W	E12 / E26	2700K	500lm



**Filament-LED G16.5**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA G16.5 FIL-4.5W-G CL DIM	120V	4.5W	E12 / E26	2700K	360lm
LED NA G16.5 FIL-5.5W-G CL DIM	120V	5.5W	E12 / E26	2700K	500lm

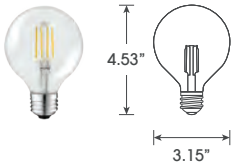




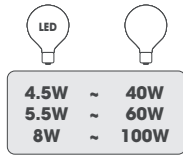
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- High color rendition, Ra  $\geq$ 90
- Full glass version ideal retrofit of traditional lamps with same appearance / performance / dimensions
- CCT 4000K is also available

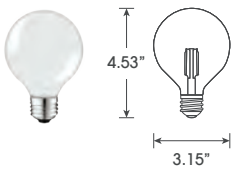
**Filament-LED G25**



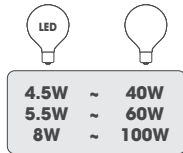
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA G25 L-FIL-4.5W-G CL DIM	120V	4.5W	E26	2700K	360lm
LED NA G25 L-FIL-5.5W-G CL DIM	120V	5.5W	E26	2700K	500lm
LED NA G25 L-FIL-8W-G CL DIM	120V	8W	E26	2700K	800lm



**Filament-LED G25 Opal**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA G25 L-FIL-4.5W-G OP DIM	120V	4.5W	E26	2700K	340lm
LED NA G25 L-FIL-5.5W-G OP DIM	120V	5.5W	E26	2700K	470lm
LED NA G25 L-FIL-8W-G OP DIM	120V	8W	E26	2700K	750lm

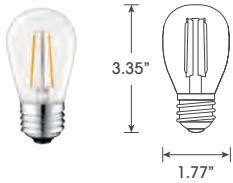




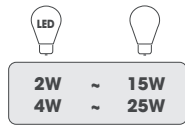
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Full glass version ideal retrofit of traditional lamps with same appearance / performance / dimensions
- CCT 4000K is also available

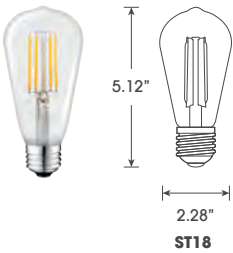
**Filament-LED S14**



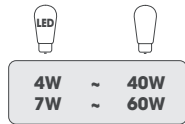
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA S14 FIL-2W-G CL DIM	120V	2W	E26	2700K	170lm
LED NA S14 FIL-4W-G CL DIM	120V	4W	E26	2700K	350lm



**Filament-LED ST18/ST20**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA ST18 L-FIL-4W-G CL DIM	120V	4W	E26	2100K	300lm
LED NA ST18 L-FIL-7W-G CL DIM	120V	7W	E26	2100K	600lm
LED NA ST20 L-FIL-4W-G CL DIM	120V	4W	E26	2100K	300lm
LED NA ST20 L-FIL-7W-G CL DIM	120V	7W	E26	2100K	600lm

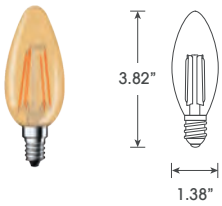




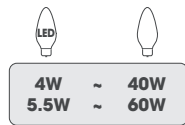
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Filament-like LED gives perfect light effect in all directions
- Special Warm Tone for decorative purposes

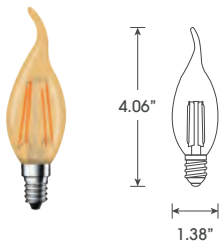
**Filament-LED B11 Amber**



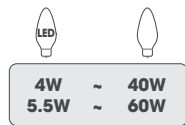
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA B11 FIL-4W-G WT DIM	120V	4W	E12	2400K	400lm
LED NA B11 FIL-5.5W-G WT DIM	120V	5.5W	E12	2400K	550lm



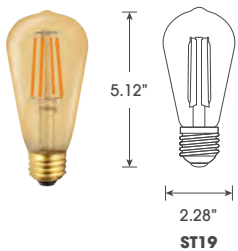
**Filament-LED CA11 Amber**



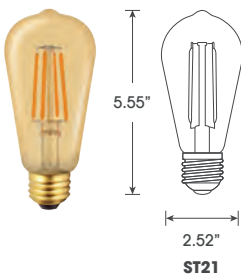
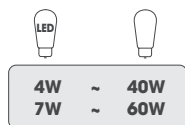
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA CA11 FIL-4W-G WT DIM	120V	4W	E12	2400K	400lm
LED NA CA11 FIL-5.5W-G WT DIM	120V	5.5W	E12	2400K	550lm



**Filament-LED ST19/ST21 Amber**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA ST19 L-FIL-4W-G WT DIM	120V	4W	E26	2400K	450lm
LED NA ST19 L-FIL-7W-G WT DIM	120V	7W	E26	2400K	800lm
LED NA ST21 L-FIL-4W-G WT DIM	120V	4W	E26	2400K	450lm
LED NA ST21 L-FIL-7W-G WT DIM	120V	7W	E26	2400K	800lm

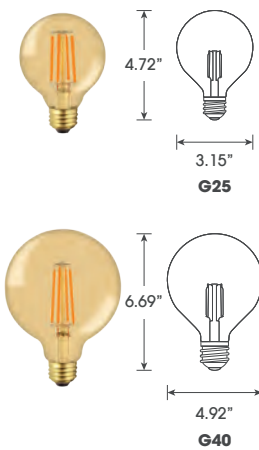




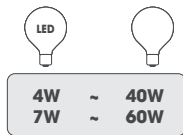
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Filament-like LED gives perfect light effect in all directions
- Special Warm Tone for decorative purposes

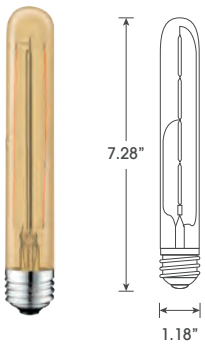
**Filament-LED** Globe Amber



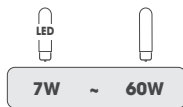
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA G25 FIL-4W-G WT DIM	120V	4W	E26	2400K	400lm
LED NA G25 FIL-7W-G WT DIM	120V	7W	E26	2400K	750lm
LED NA G40 FIL-4W-G WT DIM	120V	4W	E26	2400K	400lm
LED NA G40 FIL-7W-G WT DIM	120V	7W	E26	2400K	750lm



**Filament-LED** T10L Amber



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA T10L FIL-7W-G WT DIM	120V	7W	E26	2400K	780lm





# Spiral Filament-LED B11/CA11/A19/ST19/G25 Clear

## Features

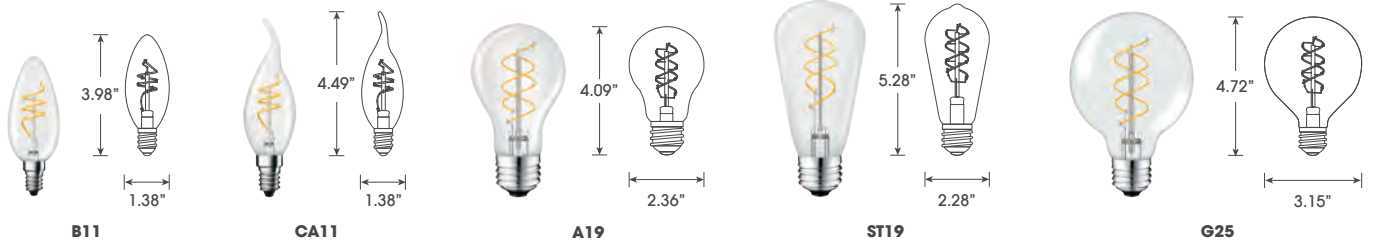
- Extremely energy saving with low power consumption
- Spiral filament-like LED gives aesthetic and attractive light effect
- High CRI R9 >50 renders vivid colors of objects for true color viewing
- Quality grade spiral filament LED with high efficacy up to 104lm/W
- Dimmable with most wall/in-line TRIAC dimming switches
- Flicker free
- Overall light distribution
- CCT 2200K also available
- High color rendition, Ra ≥90

**Ra ≥ 90**

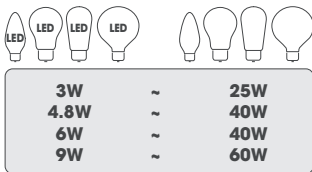
**104lm/W**

**PATENT**

**FLICKER FREE**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA B11 S-FIL-3W-G CL DIM	120V	3W	E12	2700K	250lm
LED NA B11 S-FIL-4.8W-G CL DIM	120V	4.8W	E12	2700K	500lm
LED NA CA11 S-FIL-3W-G CL DIM	120V	3W	E12	2700K	250lm
LED NA CA11 S-FIL-4.8W-G CL DIM	120V	4.8W	E12	2700K	500lm
LED NA A19 S-FIL-6W-G CL DIM	120V	6W	E26	2700K	500lm
LED NA A19 S-FIL-9W-G CL DIM	120V	9W	E26	2700K	800lm
LED NA ST19 S-FIL-6W-G CL DIM	120V	6W	E26	2700K	500lm
LED NA ST19 S-FIL-9W-G CL DIM	120V	9W	E26	2700K	800lm
LED NA G25 S-FIL-6W-G CL DIM	120V	6W	E26	2700K	500lm
LED NA G25 S-FIL-9W-G CL DIM	120V	9W	E26	2700K	800lm





# Spiral Filament-LED B11/CA11/A19/ST19/G25 Amber

## Features

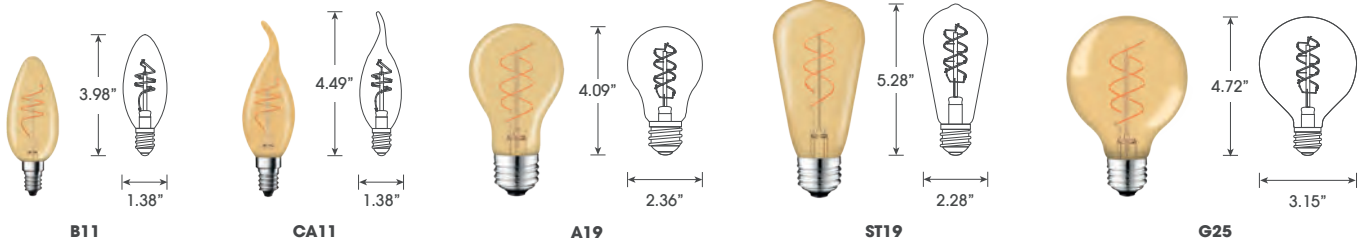
- Extremely energy saving with low power consumption
- Spiral filament-like LED gives aesthetic and attractive light effect
- High CRI R9 >50 renders vivid colors of objects for true color viewing
- Quality grade spiral filament LED with high efficacy up to 104lm/W
- Dimmable with most wall/in-line TRIAC dimming switches
- Special Warm Tone for decorative purposes
- Flicker free
- Overall light distribution
- High color rendition, Ra ≥90

**Ra ≥ 90**

**104lm/W**

**PATENT**

**FLICKER FREE**



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA B11 S-FIL-3W-G WT DIM	120V	3W	E12	2200K	250lm
LED NA B11 S-FIL-4.8W-G WT DIM	120V	4.8W	E12	2200K	500lm
LED NA CA11 S-FIL-3W-G WT DIM	120V	3W	E12	2200K	250lm
LED NA CA11 S-FIL-4.8W-G WT DIM	120V	4.8W	E12	2200K	500lm
LED NA A19 S-FIL-6W-G WT DIM	120V	6W	E26	2200K	500lm
LED NA A19 S-FIL-9W-G WT DIM	120V	9W	E26	2200K	800lm
LED NA ST19 S-FIL-6W-G WT DIM	120V	6W	E26	2200K	500lm
LED NA ST19 S-FIL-9W-G WT DIM	120V	9W	E26	2200K	800lm
LED NA G25 S-FIL-6W-G WT DIM	120V	6W	E26	2200K	500lm
LED NA G25 S-FIL-9W-G WT DIM	120V	9W	E26	2200K	800lm

3W	~	25W
4.8W	~	40W
6W	~	40W
9W	~	60W

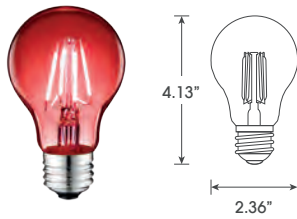




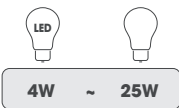
**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Full glass version ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Color filament gives vivid light for decorative purposes

**Color Filament-LED A19**

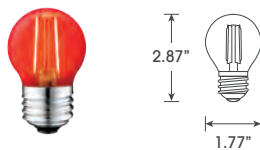


Model	Voltage	Wattage	Base	Color
LED NA A19 RD-FIL-4W-G CL	120V	4W	E26	Red
LED NA A19 OG-FIL-4W-G CL	120V	4W	E26	Orange
LED NA A19 YL-FIL-4W-G CL	120V	4W	E26	Yellow
LED NA A19 GR-FIL-4W-G CL	120V	4W	E26	Green
LED NA A19 BL-FIL-4W-G CL	120V	4W	E26	Blue
LED NA A19 PP-FIL-4W-G CL	120V	4W	E26	Purple
LED NA A19 PK-FIL-4W-G CL	120V	4W	E26	Pink

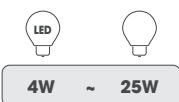


NORTH AMERICA

**Color Filament-LED G14**



Model	Voltage	Wattage	Base	Color
LED NA G14 RD-FIL-4W-G CL	120V	4W	E26	Red
LED NA G14 OG-FIL-4W-G CL	120V	4W	E26	Orange
LED NA G14 YL-FIL-4W-G CL	120V	4W	E26	Yellow
LED NA G14 GR-FIL-4W-G CL	120V	4W	E26	Green
LED NA G14 BL-FIL-4W-G CL	120V	4W	E26	Blue
LED NA G14 PP-FIL-4W-G CL	120V	4W	E26	Purple
LED NA G14 PK-FIL-4W-G CL	120V	4W	E26	Pink



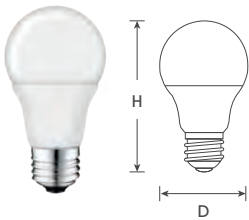
LINE VOLTAGE LAMP



## Features

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Energy star for dimmable version only

## Thermal Plastic LED A19



(Unit : inch)	(D)	(H)
<b>6W</b>	Ø2.36" x	4.29"
<b>9W</b>	Ø2.36" x	4.41"
<b>9.5W</b>	Ø2.36" x	4.41"
<b>12W</b>	Ø2.36" x	4.41"
<b>14W</b>	Ø2.36" x	4.57"

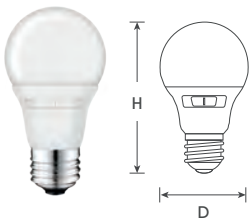
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP A19 6W	120V	6W	E26	3000K	450lm
LED NA TP A19 9W	120V	9W	E26	3000K	800lm
LED NA TP A19 12W	120V	12W	E26	3000K	1050lm
LED NA TP A19 14W	120V	14W	E26	3000K	1500lm



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP A19 9.5W DIM	120V	9.5W	E26	3000K	800lm
LED NA TP A19 14W DIM	120V	14W	E26	3000K	1600lm

<b>6W ~ 40W</b>	<b>12W ~ 75W</b>
<b>9W ~ 60W</b>	<b>14W ~ 100W</b>
<b>9.5W ~ 60W</b>	

## Thermal Plastic LED A19 3CCT



(Unit : inch)	(D)	(H)
<b>6W</b>	Ø2.36" x	4.41"
<b>9.5W</b>	Ø2.36" x	4.41"
<b>12W</b>	Ø2.36" x	4.57"
<b>14W</b>	Ø2.36" x	4.57"

Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP A19 6W 3CCT	120V	6W	E26	3000K - 4000K - 5000K	470lm
LED NA TP A19 9.5W 3CCT	120V	9.5W	E26	3000K - 4000K - 5000K	800lm
LED NA TP A19 12W 3CCT	120V	12W	E26	3000K - 4000K - 5000K	1100lm
LED NA TP A19 14W 3CCT	120V	14W	E26	3000K - 4000K - 5000K	1500lm

<b>6W ~ 40W</b>
<b>9.5W ~ 60W</b>
<b>12W ~ 75W</b>
<b>14W ~ 100W</b>

Selectable CCT via dip-switch  
Inventory cost saving  
Ra 90

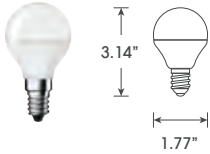




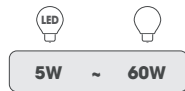
## Features

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions

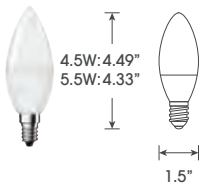
## Thermal Plastic LED Round



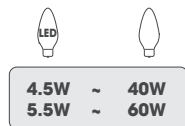
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP G45 5W	120V	5W	E12 / E26	3000K	470lm



## Thermal Plastic LED B11



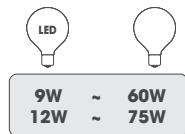
Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP B11 4.5W DIM	120V	4.5W	E12 / E26	3000K	350lm
LED NA TP B11 5.5W	120V	5.5W	E12 / E26	3000K	470lm



## Thermal Plastic LED Globe



Model	Voltage	Wattage	Base	Color Temp	Lumen
LED NA TP G30 9W	120V	9W	E26	3000K	800lm
LED NA TP G40 12W	120V	12W	E26	3000K	1100lm

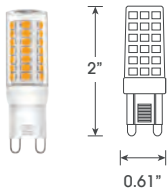




**Features**

- Extremely energy saving with low power consumption
- Overall light distribution
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional G9 with same appearance / performance / dimensions
- Lamp weight <12g comply with IEC G9 requirement
- Universal burning position

**LED G9**



Model	Voltage	Wattage	Base	Color Temp	Lumen 3000K / 6000K
LED NA G9 2.6W DIM	120V	2.6W	G9	3000K / 6000K	260lm / 275lm

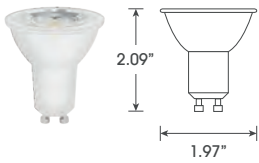




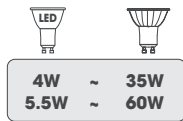
**Features**

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Aesthetic reflector optics

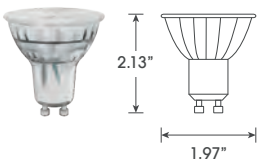
**Thermal Plastic LED GU10**



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA TP GU10 4W DIM	120V	4W	GU10	38°	3000K	320lm
LED NA TP GU10 5.5W DIM	120V	5.5W	GU10	38°	3000K	500lm



**Glass LED GU10**



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA G GU10 5.5W DIM	120V	5.5W	GU10	38°	3000K	500lm





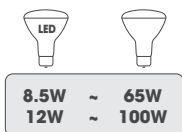
**Features**

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- High color rendition, Ra  $\geq$ 90
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Aesthetic reflector optics

**Thermal Plastic LED BR30**



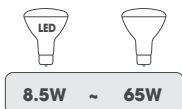
Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA TP BR30 8.5W DIM	120V	8.5W	E26	120°	3000K	700lm
LED NA TP BR30 12W DIM	120V	12W	E26	120°	3000K	1100lm



**Thermal Plastic LED BR30 5CCT**



Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA TP BR30 8.5W 5CCT DIM	120V	8.5W	E26	120°	2700K - 3000K - 3500K - 4000K - 5000K	700lm



Selectable CCT via dip-switch  
Inventory cost saving

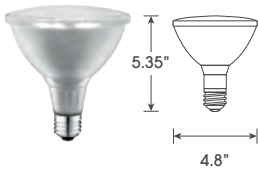




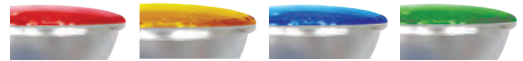
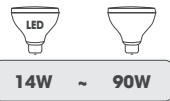
**Features**

- Extremely energy saving with low power consumption
- Excellent thermal conductivity
- Good color rendition, Ra ≥80
- Ideal retrofit of traditional lamps with same appearance / performance / dimensions
- Aesthetic reflector optics

**Glass LED PAR38**

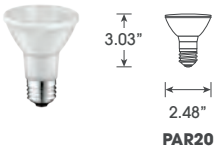


Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA G PAR38 14W DIM	120V	14W	E26	60°	3000K	1100lm



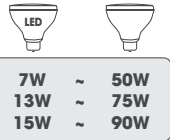
Frontal lens in total silicon sealing, suitable for outdoor use condition

**Thermal Plastic LED PAR20/PAR30/PAR38**



PAR20

Model	Voltage	Wattage	Base	Beam Angle	Color Temp	Lumen
LED NA TP PAR20 7W DIM	120V	7W	E26	40°	3000K	550lm
LED NA TP PAR30S 13W DIM	120V	13W	E26	40°	3000K	1100lm
LED NA TP PAR30L 13W DIM	120V	13W	E26	40°	3000K	1100lm
LED NA TP PAR38 15W DIM	120V	15W	E26	40°	3000K	1500lm



PAR30S

NORTH AMERICA



PAR30L

LINE VOLTAGE LAMP



PAR38



# TUBE



LED T8 UL Type A  
P. 180



LED T8 3CCT UL Type A  
P. 181



LED T8 UL Type B  
P. 182



LED T8 3CCT UL Type B  
P. 183



LED T8 UL Type A + B  
P. 184



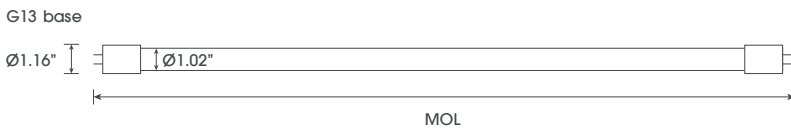
LED T8 3CCT UL Type A + B  
P. 185



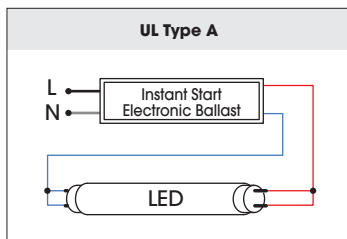
# LED T8 UL Type A

## Features

- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 in Instant Start circuit
- Compatible with most common Instant Start electronic ballasts  
(Refer to the ballast compatibility list)
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra ≥80



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F9T8/830/G/NA/IS/24	120V	9W	3000K	220°	UL Type A	23.7"	155lm/W	1400lm
LED F9T8/835/G/NA/IS/24	120V	9W	3500K	220°	UL Type A	23.7"	155lm/W	1400lm
LED F9T8/840/G/NA/IS/24	120V	9W	4000K	220°	UL Type A	23.7"	155lm/W	1400lm
LED F9T8/850/G/NA/IS/24	120V	9W	5000K	220°	UL Type A	23.7"	155lm/W	1400lm
LED F12T8/830/G/NA/IS/36	120V	12W	3000K	220°	UL Type A	35.4"	138lm/W	1650lm
LED F12T8/835/G/NA/IS/36	120V	12W	3500K	220°	UL Type A	35.4"	138lm/W	1650lm
LED F12T8/840/G/NA/IS/36	120V	12W	4000K	220°	UL Type A	35.4"	138lm/W	1650lm
LED F12T8/850/G/NA/IS/36	120V	12W	5000K	220°	UL Type A	35.4"	138lm/W	1650lm
LED F18T8/830/G/NA/IS/48	120V	18W	3000K	220°	UL Type A	47.7"	144lm/W	2600lm
LED F18T8/835/G/NA/IS/48	120V	18W	3500K	220°	UL Type A	47.7"	144lm/W	2600lm
LED F18T8/840/G/NA/IS/48	120V	18W	4000K	220°	UL Type A	47.7"	144lm/W	2600lm
LED F18T8/850/G/NA/IS/48	120V	18W	5000K	220°	UL Type A	47.7"	144lm/W	2600lm

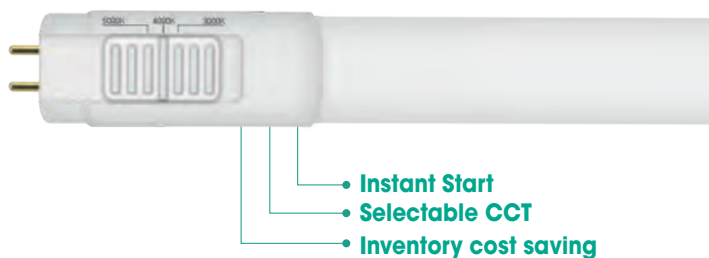




## LED T8 3CCT UL Type A

### Features

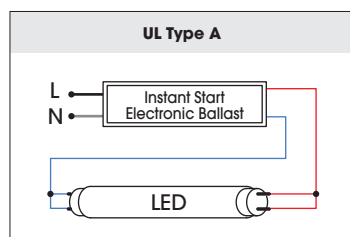
- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 in Instant Start circuit
- Compatible with most common Instant Start electronic ballasts  
(Refer to the ballast compatibility list)
- Selectable CCT via dip-switch
- Inventory cost saving
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra  $\geq$ 80



G13 base



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F15T8/8XX/G/NA/IS/48/3CCT	120V	15W	3000K - 4000K - 5000K	220°	UL Type A	47.7"	120lm/W	1800lm

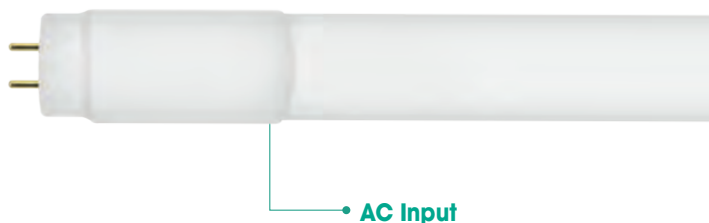




## LED T8 UL Type B

### Features

- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 with AC connection
- Surge over 1000V
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra  $\geq$ 80

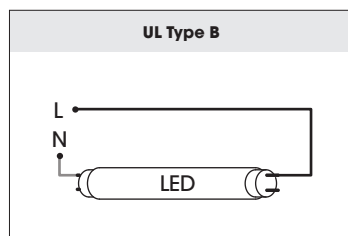


G13 base



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F9T8/830/G/NA/AC/24	120 - 277V	9W	3000K	220°	UL Type B	23.7"	128lm/W	1150lm
LED F9T8/835/G/NA/AC/24	120 - 277V	9W	3500K	220°	UL Type B	23.7"	128lm/W	1150lm
LED F9T8/840/G/NA/AC/24	120 - 277V	9W	4000K	220°	UL Type B	23.7"	128lm/W	1150lm
LED F9T8/850/G/NA/AC/24	120 - 277V	9W	5000K	220°	UL Type B	23.7"	128lm/W	1150lm
LED F14T8/830/G/NA/AC/48	120 - 277V	14W	3000K	220°	UL Type B	47.7"	128lm/W	1800lm
LED F14T8/835/G/NA/AC/48	120 - 277V	14W	3500K	220°	UL Type B	47.7"	128lm/W	1800lm
LED F14T8/840/G/NA/AC/48	120 - 277V	14W	4000K	220°	UL Type B	47.7"	128lm/W	1800lm
LED F14T8/850/G/NA/AC/48	120 - 277V	14W	5000K	220°	UL Type B	47.7"	128lm/W	1800lm
LED F16T8/830/G/NA/AC/48	120 - 277V	16W	3000K	220°	UL Type B	47.7"	140lm/W	2250lm
LED F16T8/835/G/NA/AC/48	120 - 277V	16W	3500K	220°	UL Type B	47.7"	140lm/W	2250lm
LED F16T8/840/G/NA/AC/48	120 - 277V	16W	4000K	220°	UL Type B	47.7"	140lm/W	2250lm
LED F16T8/850/G/NA/AC/48	120 - 277V	16W	5000K	220°	UL Type B	47.7"	140lm/W	2250lm

UL Type B

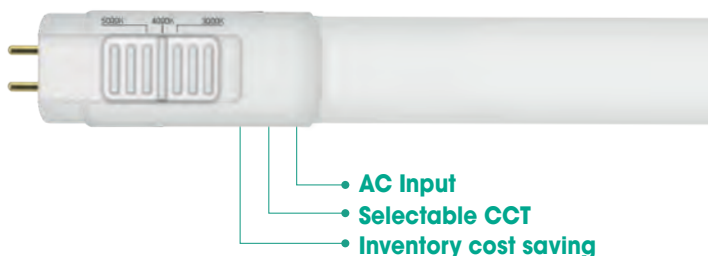




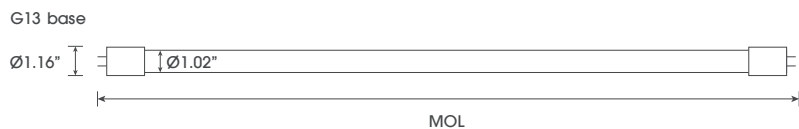
# LED T8 3CCT UL Type B

## Features

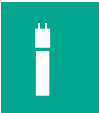
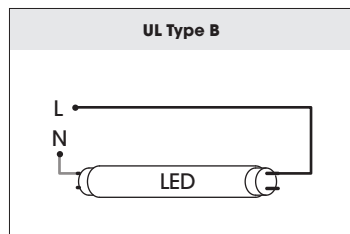
- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 with AC connection
- Selectable CCT via dip-switch
- Inventory cost saving
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra ≥80



- AC Input
- Selectable CCT
- Inventory cost saving



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F14T8/8XX/G/NA/AC/48/3CCT	120 - 277V	14W	3000K - 4000K - 5000K	220°	UL Type B	47.7"	129lm/W	1800lm

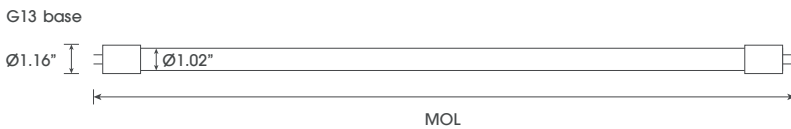
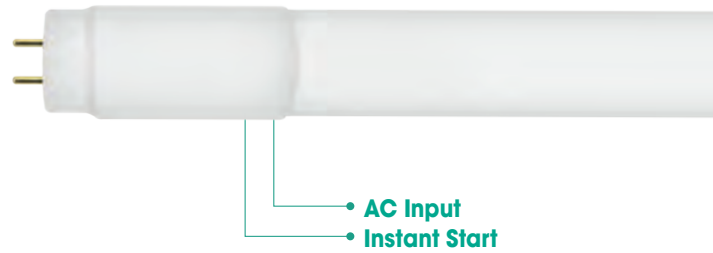




# LED T8 UL Type A + B

## Features

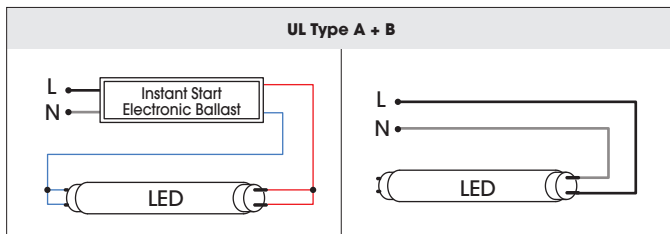
- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 in Instant Start circuit
- For direct connection with AC
- Compatible with most common Instant Start electronic ballasts (Refer to the ballast compatibility list)
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra ≥80



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F9T8/830/G/NA/ISAC/24	120 - 277V	9W	3000K	220°	UL Type A+B	23.7"	130lm/W	1170lm
LED F9T8/835/G/NA/ISAC/24	120 - 277V	9W	3500K	220°	UL Type A+B	23.7"	130lm/W	1170lm
LED F9T8/840/G/NA/ISAC/24	120 - 277V	9W	4000K	220°	UL Type A+B	23.7"	130lm/W	1170lm
LED F9T8/850/G/NA/ISAC/24	120 - 277V	9W	5000K	220°	UL Type A+B	23.7"	130lm/W	1170lm
LED F14T8/830/G/NA/ISAC/48	120 - 277V	14W	3000K	220°	UL Type A+B	47.7"	128lm/W	1800lm
LED F14T8/835/G/NA/ISAC/48	120 - 277V	14W	3500K	220°	UL Type A+B	47.7"	128lm/W	1800lm
LED F14T8/840/G/NA/ISAC/48	120 - 277V	14W	4000K	220°	UL Type A+B	47.7"	128lm/W	1800lm
LED F14T8/850/G/NA/ISAC/48	120 - 277V	14W	5000K	220°	UL Type A+B	47.7"	128lm/W	1800lm
LED F17T8/830/G/NA/ISAC/48	120 - 277V	17W	3000K	220°	UL Type A+B	47.7"	129lm/W	2200lm
LED F17T8/835/G/NA/ISAC/48	120 - 277V	17W	3500K	220°	UL Type A+B	47.7"	129lm/W	2200lm
LED F17T8/840/G/NA/ISAC/48	120 - 277V	17W	4000K	220°	UL Type A+B	47.7"	129lm/W	2200lm
LED F17T8/850/G/NA/ISAC/48	120 - 277V	17W	5000K	220°	UL Type A+B	47.7"	129lm/W	2200lm
LED F18T8/830/G/NA/ISAC/48	120 - 277V	18W	3000K	220°	UL Type A+B	47.7"	128lm/W	2300lm
LED F18T8/835/G/NA/ISAC/48	120 - 277V	18W	3500K	220°	UL Type A+B	47.7"	128lm/W	2300lm
LED F18T8/840/G/NA/ISAC/48	120 - 277V	18W	4000K	220°	UL Type A+B	47.7"	128lm/W	2300lm
LED F18T8/850/G/NA/ISAC/48	120 - 277V	18W	5000K	220°	UL Type A+B	47.7"	128lm/W	2300lm

NORTH AMERICA

TUBE

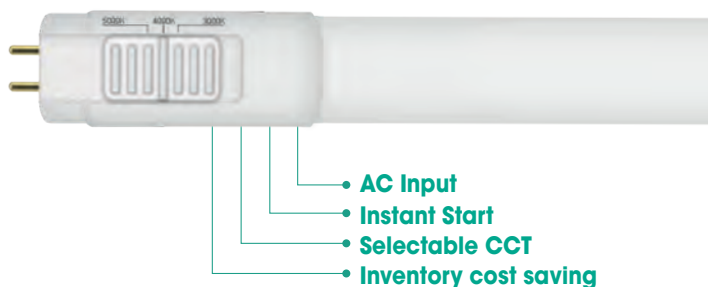




## LED T8 3CCT UL Type A + B

### Features

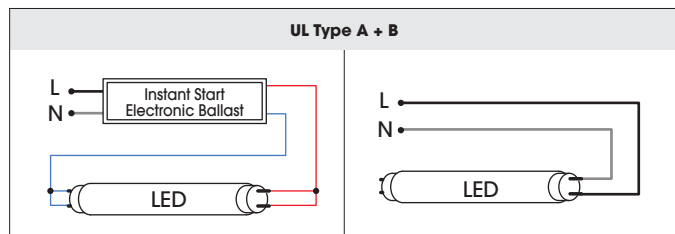
- Energy saving with low power consumption
- Perfect retrofit fluorescent T8 in Instant Start circuit
- For direct connection with AC
- Compatible with most common Instant Start electronic ballasts (Refer to the ballast compatibility list)
- Selectable CCT via dip-switch
- Inventory cost saving
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Voltage: 120Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra  $\geq$ 80



G13 base



Model	Voltage	Wattage	Color Temp	Beam Angle	Type	Length MOL	Efficacy	Lumen
LED F15T8/8XX/G/NA/ISAC/48/3CCT	120 - 277V	15W	3000K - 4000K - 5000K	220°	UL Type A+B	47.7"	120lm/W	1800lm





# INDOOR LUMINAIRE



LED SHOP LIGHT  
P. 187 - 188



LED BATTEN  
P. 189 - 192



LED WRAP  
P. 193



LED DOWNLIGHT  
P. 194 - 195



LED CEILING LIGHT  
P. 196 - 199



LED PANEL  
P. 200



LED Highbay  
P. 201 - 202



# LED Shop Light NL271E

## Features

- 42W LED Shop Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- On and off by pull chain
- Applicable in damp location
- Long average life 50000 hours
- Good color rendition, Ra ≥80

## Materials / Finish

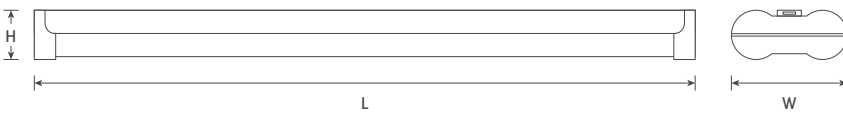
- Body: Steel and PC

## Installation / Mounting

- Suitable for suspended
- Integral gear unit allows quick and easy installation

## Standards

- ETL, FCC



(Unit : inch)	(L)	(W)	(H)	Max. no. of luminaires interconnected
<b>NL271E</b>	44	4.33	1.57	4

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL271E-42W/8XX	120V	42W	3000K / 3500K / 4000K / 5000K	120°	4000lm





# LED Shop Light NL291S

## Features

- 115W LED Shop Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Selectable wattage via dip-switch
- Inventory cost saving
- Motion sensing
- On and off by pull chain
- Applicable in damp location
- Long average life 50000 hours
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Steel and PC

## Installation / Mounting

- Suitable for suspended
- Integral gear unit allows quick and easy installation

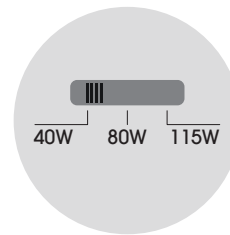
## Standards

- ETL, FCC

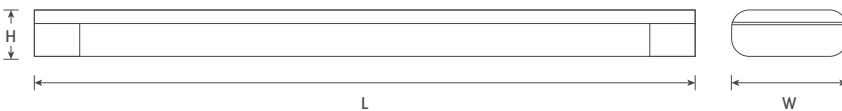


- Selectable Watt
- Inventory cost saving
- Motion Sensor

## Dip-switch



Max. no. of  
luminaires  
interconnected  
4



(Unit : inch)	(L)	(W)	(H)
<b>NL291S</b>	48	4.8	2.13

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL291S-115W/8XX	120V	40W - 80W - 115W	3000K / 3500K / 4000K / 5000K	120°	4000lm - 7200lm - 10000lm





# LED Batten NL181A - NL183A

## Features

- 12W / 24W / 36W LED Batten Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Applicable in damp location
- Long average life 50000 hours
- High color rendition, Ra ≥90

## Materials / Finish

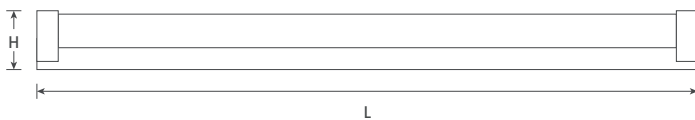
- Body: Steel and PC

## Installation / Mounting

- Suitable for surface mounted
- Integral gear unit allows quick and easy installation

## Standards

- ETL



(Unit : inch)	(L)	(W)	(H)	Max. no. of luminaires interconnected
<b>NL181A</b>	12.13	x 1.57	x 1.73	4
<b>NL182A</b>	22.76	x 1.57	x 1.73	4
<b>NL183A</b>	46.3	x 1.57	x 1.73	4

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL181A-12W/9XX	120V	12W	3000K / 3500K / 4000K / 5000K	110°	800lm
NL182A-24W/9XX	120V	24W	3000K / 3500K / 4000K / 5000K	110°	1500lm
NL183A-36W/9XX	120V	36W	3000K / 3500K / 4000K / 5000K	110°	2600lm





## LED Batten NL184A

### Features

- 24W LED Batten Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Applicable in damp location
- Long average life 50000 hours
- High color rendition, Ra  $\geq$ 90

### Materials / Finish

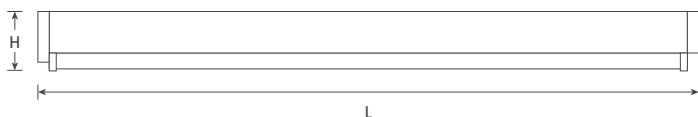
- Body: Steel and PC

### Installation / Mounting

- Suitable for surface mounted
- Integral gear unit allows quick and easy installation

### Standards

- ETL



(Unit : inch) (L) (W) (H)  
**NL184A** 46.5 x 1.57 x 1.85

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL184A-24W/9XX	100 - 277V	24W	3000K / 3500K / 4000K / 5000K	120°	1800lm





# LED Batten NL300S 3CCT

## Features

- 26W LED Batten Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Selectable CCT via dip-switch
- Inventory cost saving
- Motion sensing
- Applicable in damp location
- Long average life 50000 hours
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Steel and PC

## Installation / Mounting

- Suitable for surface mounted
- Integral gear unit allows quick and easy installation

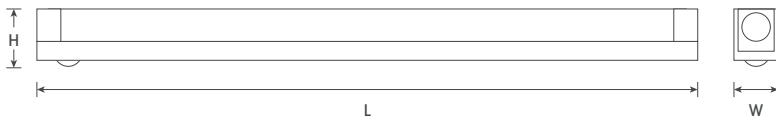
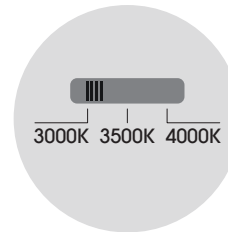
## Standards

- ETL



- Selectable CCT
- Inventory cost saving
- Motion Sensor

## Dip-switch



(Unit : inch) (L) (W) (H)  
**NL300S** 46.5 x 1.57 x 2



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL300S-26W/8XX/3CCT	100 - 277V	26W	3000K - 3500K - 4000K	110°	2625lm





# LED Batten NL310S 3CCT

## Features

- 45W LED Wide Batten Light
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Selectable wattage & CCT via dip-switch
- Inventory cost saving
- Applicable in damp location
- Long average life 50000 hours
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Steel and PC

## Installation / Mounting

- Suitable for surface mounted
- Integral gear unit allows quick and easy installation

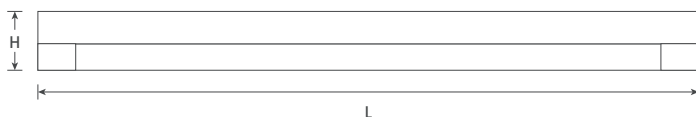
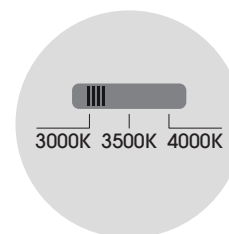
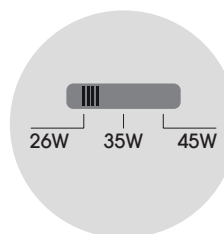
## Standards

- ETL, DLC



- Selectable Watt & CCT
- Inventory cost saving

## Dip-switch



(Unit : inch) (L) (W) (H)  
**NL310S** 46 x 2.68 x 2.28



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL310S-45W/8XX/3CCT	100 - 277V	26W - 35W - 45W	3000K - 3500K - 4000K	110°	3000lm - 4200lm - 5175lm





# LED Wrap NL201S - NL202S 3CCT

## Features

- 20W / 40W LED Wrap
- Suitable to use in factories, offices, banks, shopping centers, subways, schools and other places
- Selectable CCT via dip-switch
- Inventory cost saving
- Applicable in damp location
- Long average life 50000 hours
- High color rendition, Ra ≥90

## Materials / Finish

- Body: Steel and PC

## Installation / Mounting

- Suitable for surface mounted
- Integral gear unit allows quick and easy installation

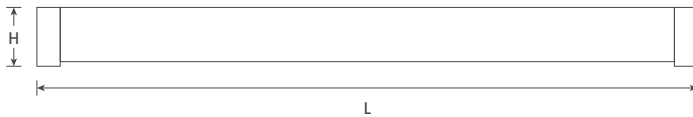
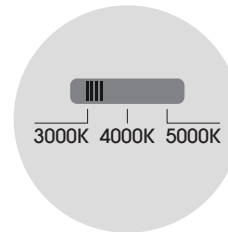
## Standards

- ETL



- Selectable CCT
- Inventory cost saving

## Dip-switch



(Unit : inch)	(L)	(W)	(H)
<b>NL201S</b>	24.5 x	5.4 x	2.56
<b>NL202S</b>	47.4 x	5.4 x	2.56



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NL201S-20W/9XX/3CCT	120V	20W	3000K - 4000K - 5000K	110°	1700lm
NL202S-40W/9XX/3CCT	120V	40W	3000K - 4000K - 5000K	110°	3400lm





## LED Downlight ND311T - ND312T

### Features

- 8.7W / 12.5W LED Dimmable Downlight
- Recessed round, uniform distribution
- Comfort glare-free diffuser
- TRIAC dimmable
- High color rendition, Ra ≥90

### Materials / Finish

- Body: Sheet steel with white finish
- Trim: Sheet steel with white finish
- Diffuser: Opal PC, UV protected

### Installation / Mounting

- Quick installation with mounting bracket and E26 base
- Suitable for 4 in / 5 in / 6 in recessed can
- Integral gear unit allows quick and easy installation

### Standards

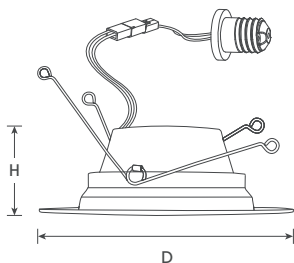
- CEC Title 24
- UL



ND311T



ND312T



(Unit : inch)	(D)	(H)
<b>8.7W</b>	Ø5.12/7.36	x 1.89/1.97
<b>12.5W</b>	Ø7.36	x 1.97

Model	Voltage	Wattage	Color Temp	Beam Angle	Recessed Can	Lumen
ND311T-8.7W/930	120V	8.7W	3000K	100°	4"	700lm
ND311T-8.7W/940	120V	8.7W	4000K	100°	4"	700lm
ND311T-8.7W/950	120V	8.7W	5000K	100°	4"	700lm
ND312T-8.7W/930	120V	8.7W	3000K	100°	5" / 6"	700lm
ND312T-8.7W/940	120V	8.7W	4000K	100°	5" / 6"	700lm
ND312T-8.7W/950	120V	8.7W	5000K	100°	5" / 6"	700lm
ND312T-12.5W/930	120V	12.5W	3000K	100°	5" / 6"	1000lm
ND312T-12.5W/940	120V	12.5W	4000K	100°	5" / 6"	1000lm
ND312T-12.5W/950	120V	12.5W	5000K	100°	5" / 6"	1000lm





# LED Downlight ND321S - ND322S 5CCT

## Features

- 8.7W / 12.5W LED Dimmable Downlight
- Recessed round, uniform distribution
- Selectable CCT via dip-switch
- Inventory cost saving
- Comfort glare-free diffuser
- TRIAC dimmable
- High color rendition, Ra ≥90

## Materials / Finish

- Body: Sheet steel with white finish
- Trim: Sheet steel with white finish
- Diffuser: Opal PC, UV protected

## Installation / Mounting

- Quick installation with mounting bracket and E26 base
- Suitable for 4 in / 5 in / 6 in recessed can
- Integral gear unit allows quick and easy installation

## Standards

- CEC Title 24
- UL

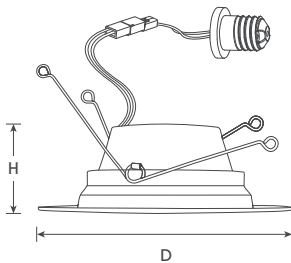


ND321S



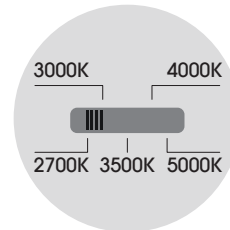
ND322S

- Selectable CCT
- Inventory cost saving



(Unit : inch)	(D)	(H)
<b>8.7W</b>	Ø5.12/7.36	x 1.89/1.97
<b>12.5W</b>	Ø7.36	x 1.97

## Dip-switch



Model	Voltage	Wattage	Color Temp	Beam Angle	Recessed Can	Lumen
ND321S-8.7W/9XX/5CCT	120V	8.7W	2700K - 3000K - 3500K - 4000K - 5000K	100°	4"	700lm
ND322S-8.7W/9XX/5CCT	120V	8.7W	2700K - 3000K - 3500K - 4000K - 5000K	100°	5" / 6"	700lm
ND322S-12.5W/9XX/5CCT	120V	12.5W	2700K - 3000K - 3500K - 4000K - 5000K	100°	5" / 6"	1000lm





# LED Ceiling Light NC251S - NC253S 5CCT

## Features

- 20W / 24W / 28W LED Dimmable Ceiling Light
- Classic and modern style
- Ultra slim design
- Selectable CCT via dip-switch
- Inventory cost saving
- Uniform distribution with frosted diffuser
- Comfort glare-free light
- Applicable in damp location
- High color rendition, Ra ≥90

## Materials / Finish

- Body: Sheet steel with white finish
- Diffuser: Frosted PC

## Installation / Mounting

- Suitable for surface mounting
- Integral gear unit allows quick and easy installation

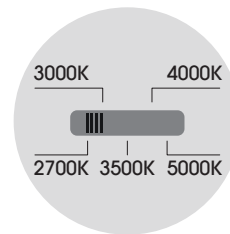
## Standards

- ETL



- Selectable CCT
- Inventory cost saving

## Dip-switch



	(Unit : inch)	(D)	(H)
NC251S	Ø7	x	0.94
NC252S	Ø9	x	0.94
NC253S	Ø12	x	0.94



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NC251S-20W/9XX/5CCT	120V	20W	2700K - 3000K - 3500K - 4000K - 5000K	120°	2000lm
NC252S-24W/9XX/5CCT	120V	24W	2700K - 3000K - 3500K - 4000K - 5000K	120°	2400lm
NC253S-28W/9XX/5CCT	120V	28W	2700K - 3000K - 3500K - 4000K - 5000K	120°	2800lm





# LED Ceiling Light NC261S 5CCT

## Features

- 25W LED Dimmable Ceiling Light
- Modern contemporary design
- Selectable CCT via dip-switch
- Inventory cost saving
- Uniform distribution with frosted diffuser
- Comfort glare-free light
- Applicable in damp location
- High color rendition, Ra ≥90

## Materials / Finish

- Body: Sheet steel with white finish
- Diffuser: Frosted PMMA
- Choice of White and Black color

## Installation / Mounting

- Suitable for surface mounting
- Integral gear unit allows quick and easy installation

## Standards

- CEC Title 24
- ETL

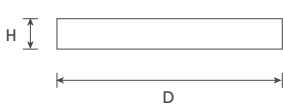
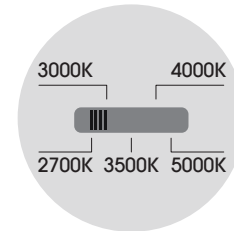


- Selectable CCT
- Inventory cost saving



Black

## Dip-switch



(Unit : inch) (D) (H)  
**NC261S** Ø15 x 3.74

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NC261S-25W/9XX/5CCT	120V	25W	2700K - 3000K - 3500K - 4000K - 5000K	120°	1300lm





# LED Ceiling Light NC271S 3CCT

## Features

- 20W LED Dimmable Ceiling Light
- Flash-mount puff design fit for any deocr
- Selectable CCT via dip-switch
- Inventory cost saving
- Uniform distribution with frosted diffuser
- Comfort glare-free light
- Applicable in damp location
- High color rendition, Ra ≥90

## Materials / Finish

- Body: Sheet steel with white finish
- Diffuser: Frosted PMMA
- Choice of White and Black color

## Installation / Mounting

- Suitable for surface mounting
- Integral gear unit allows quick and easy installation

## Standards

- ETL

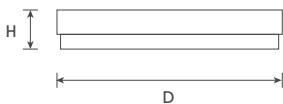
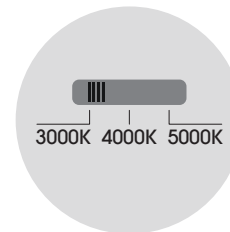


- Selectable CCT
- Inventory cost saving



Black

## Dip-switch



(Unit : inch) (D) (H)  
**NC271S** Ø12 x 3.15



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NC271S-20W/9XX/3CCT	120V	20W	3000K - 4000K - 5000K	120°	1200lm





# LED Canopy UC101E - UC102E



## Features

- 35W / 70W LED Canopy
- Uniform light output
- Comfort glare-free light
- Trapezoid radiating fin structure
- Good color rendition, Ra  $\geq$ 70

## Materials / Finish

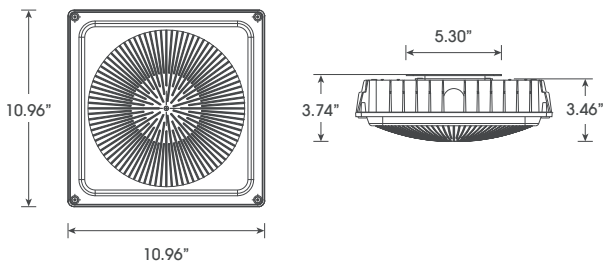
- Body: Die cast aluminium housing with anti-corrosive and thermostable finish
- Diffuser: PC
- Chips: Lumileds 3030
- Black color

## Installation / Mounting

- Quick Installation with user friendly mounting bracket
- Stainless steel safety cable for double security

## Standards

- UL, FCC, DLC



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
UC101E-35W/730	100 - 277V	35W	3000K	145°	3800lm
UC101E-35W/740	100 - 277V	35W	4000K	145°	4000lm
UC101E-35W/750	100 - 277V	35W	5000K	145°	4200lm
UC102E-70W/730	100 - 277V	70W	3000K	145°	7800lm
UC102E-70W/740	100 - 277V	70W	4000K	145°	8000lm
UC102E-70W/750	100 - 277V	70W	5000K	145°	8200lm





# LED Panel NP171S - NP172S 3CCT

## Features

- 30W / 40W LED Dimmable Panel
- Selectable wattage & CCT via dip-switch
- Inventory cost saving
- Frosted PS diffuser provide uniform distribution
- Comfort glare-free light
- Applicable in damp location
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Aluminium frame with white finish
- Diffuser: Frosted PS
- White color

## Installation / Mounting

- Quick installation with mounting bracket
- Suitable for recessed mount
- Integral gear unit allows quick and easy installation

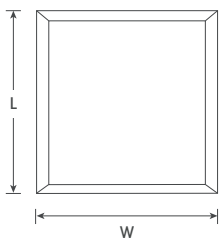
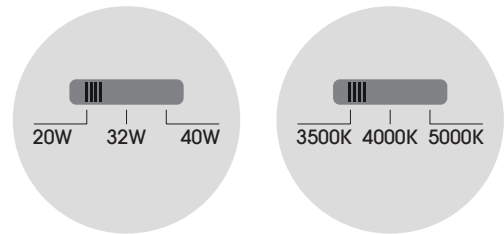
## Standards

- FCC, ETL, DLC

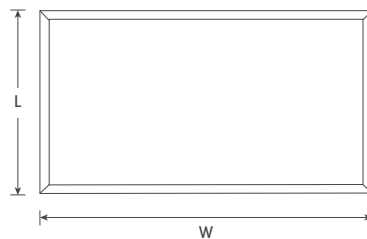


- Selectable Watt & CCT
- Inventory cost saving

## Dip-switch



(Unit : inch) (L) (W) (H)  
**NP171S** 23.7 x 23.7 x 1.46



(Unit : inch) (L) (W) (H)  
**NP172S** 23.7 x 47.8 x 1.46



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NP171S-30W/8XX/3CCT	100 - 277V	20W - 25W - 30W	3500K - 4000K - 5000K	110°	2500lm - 3125lm - 3750lm
NP172S-40W/8XX/3CCT	100 - 277V	20W - 32W - 40W	3500K - 4000K - 5000K	110°	2500lm - 4000lm - 5000lm





# LED Highbay NH161E - NH163E

## Features

- 100W / 150W / 200W / 240W LED Highbay
- Uniformity distribution in high ceiling application
- 60° / 90° / 120° beam angle for different open area coverage
- Adjustable wattage and CCT options available
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Die cast aluminium
- Lens: PC
- Chips: SMD 2835
- Driver: UVL
- Choice of black, bronze, silver grey and texture white color

## Installation / Mounting

- Pendant mount by chain

## Standards

- Designed and manufactured to comply international standard EN60598
- Class I Electrical
- IK 08, IP 65

## Dimming Options



### Sensor Options

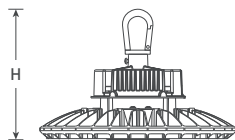
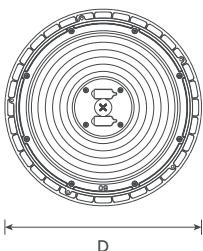


### Emergency Options



Emergency Driver      Test Remote

Input Voltage	Emergency Power	Working Time	Luminous
100-240Vac	30W	90 mins	5100lm
Max. Load 300W			
0-50°C Ambient Temperature			



(Unit : inch)      (D)      (H)

<b>NH161E</b>	Ø9.45	x 7.1
<b>NH162E</b>	Ø10.63	x 7.1
<b>NH163E</b>	Ø12.6	x 7.1

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NH161E-100W/830	120 - 277V	100W	3000K	60° / 90° / 120°	16500lm
NH161E-100W/840	120 - 277V	100W	4000K	60° / 90° / 120°	16500lm
NH161E-100W/865	120 - 277V	100W	6500K	60° / 90° / 120°	16500lm
NH162E-150W/830	120 - 277V	150W	3000K	60° / 90° / 120°	24735lm
NH162E-150W/840	120 - 277V	150W	4000K	60° / 90° / 120°	24735lm
NH162E-150W/865	120 - 277V	150W	6500K	60° / 90° / 120°	24735lm
NH163E-200W/830	120 - 277V	200W	3000K	60° / 90° / 120°	32980lm
NH163E-200W/840	120 - 277V	200W	4000K	60° / 90° / 120°	32980lm
NH163E-200W/865	120 - 277V	200W	6500K	60° / 90° / 120°	32980lm
NH163E-240W/830	120 - 277V	240W	3000K	60° / 90° / 120°	39575lm
NH163E-240W/840	120 - 277V	240W	4000K	60° / 90° / 120°	39575lm
NH163E-240W/865	120 - 277V	240W	6500K	60° / 90° / 120°	39575lm





# LED Highbay NH151E - NH154E

## Features

- 100W / 150W / 200W / 240W LED Highbay
- Uniformity distribution in high ceiling application
- 120° beam angles for large open area coverage
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Die cast aluminium
- Lens: PC
- Reflector (optional): PC / Aluminium
- Black color

## Installation / Mounting

- Pendant mount by chain
- Easy assembly of reflector by screw fixation

## Standards

- ETL



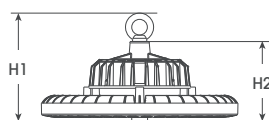
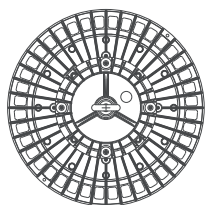
## Reflector Options



**PC 60°**  
 100W: Ø12.20" x 6.56"  
 150W: Ø12.13" x 4.72"  
 200W: Ø16.14" x 8.29"  
 240W: Ø16.14" x 8.29"



**ALU 90°**  
 100W: Ø13.39" x 4.53"  
 150W: Ø14.57" x 5.12"  
 200W: Ø16.93" x 5.31"  
 240W: Ø16.93" x 5.31"



(Unit : inch)	(D)	(H1)	(H2)
<b>NH151E</b>	Ø9.84	x 5.47	x 4.06
<b>NH152E</b>	Ø9.84	x 5.47	x 4.06
<b>NH153E</b>	Ø9.84	x 5.94	x 4.53
<b>NH154E</b>	Ø11.81	x 6.34	x 4.92

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
NH151E-100W/830	100 - 277V	100W	3000K	120°	14000lm
NH151E-100W/840	100 - 277V	100W	4000K	120°	14500lm
NH151E-100W/865	100 - 277V	100W	6500K	120°	15000lm
NH152E-150W/830	100 - 277V	150W	3000K	120°	21000lm
NH152E-150W/840	100 - 277V	150W	4000K	120°	21750lm
NH152E-150W/865	100 - 277V	150W	6500K	120°	22500lm
NH153E-200W/830	100 - 277V	200W	3000K	120°	28000lm
NH153E-200W/840	100 - 277V	200W	4000K	120°	29000lm
NH153E-200W/865	100 - 277V	200W	6500K	120°	30000lm
NH154E-240W/830	100 - 277V	240W	3000K	120°	33600lm
NH154E-240W/840	100 - 277V	240W	4000K	120°	34800lm
NH154E-240W/865	100 - 277V	240W	6500K	120°	36000lm





# OUTDOOR LUMINAIRE



LED WALL PACK  
P. 204



LED SHOEBOX  
P. 205



# LED Wall Pack UF101E - UF104E

## Features

- 30W / 60W / 90W / 120W LED full or half cut-off Wall Pack
- Fixture surface especially treated with antisaltic, thermostable and anti-corrosive paint
- Uniform light output
- Good color rendition, Ra ≥80

## Materials / Finish

- Body: Die cast aluminium housing with anti-corrosive and thermostable finish
- Chips: Lumileds / Samsung
- Black color

## Installation / Mounting

- Quick Installation with user friendly mounting bracket

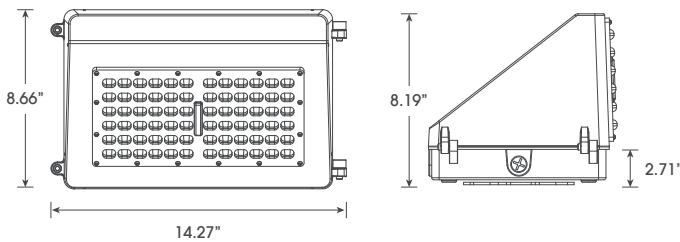
## Standards

- UL, FCC, DLC



Full cut off version is available on request

## Accessories (Optional)



Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
UF101E-30W/830	100 - 277V	30W	3000K	125 x 46°	3150lm
UF101E-30W/840	100 - 277V	30W	4000K	125 x 46°	3200lm
UF101E-30W/850	100 - 277V	30W	5000K	125 x 46°	3300lm
UF102E-60W/830	100 - 277V	60W	3000K	125 x 46°	6450lm
UF102E-60W/840	100 - 277V	60W	4000K	125 x 46°	6500lm
UF102E-60W/850	100 - 277V	60W	5000K	125 x 46°	6600lm
UF103E-90W/830	100 - 277V	90W	3000K	125 x 46°	9700lm
UF103E-90W/840	100 - 277V	90W	4000K	125 x 46°	9800lm
UF103E-90W/850	100 - 277V	90W	5000K	125 x 46°	9900lm
UF104E-120W/830	100 - 277V	120W	3000K	125 x 46°	12500lm
UF104E-120W/840	100 - 277V	120W	4000K	125 x 46°	13000lm
UF104E-120W/850	100 - 277V	120W	5000K	125 x 46°	13200lm





## LED Shoebox UF111E - UF113E

### Features

- 50W / 80W / 100W / 150W / 200W / 300W LED Shoebox
- Customized lens from Type I to Type V
- Support different mounting demands
- High efficacy >160lm/W
- Uniform light output
- Support multi-applications such as parking lot light, street light, tunnel light, wall pack and floodlight
- Photocell optional
- Good color rendition, Ra ≥70

### Materials / Finish

- Body: Die cast aluminium housing with PC lens
- Chips: Lumileds
- Black color

### Installation / Mounting

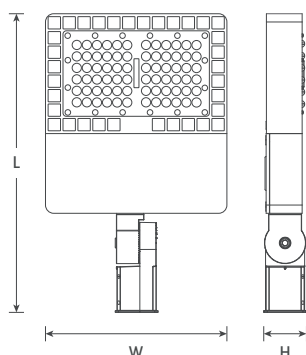
- Flexible installation wall mounted with various accessories available

### Standards

- ETL, FCC, DLC



### Accessories



(Unit : inch)	(L)	(W)	(H)
<b>UF111E</b>	18.5	10.7	1.97
<b>UF112E</b>	23.5	13	3.46
<b>UF113E</b>	31	13	3.46

Model	Voltage	Wattage	Color Temp	Beam Angle	Lumen
UF111E-50W/730	100 - 277V	50W	3000K	125 x 46°	7500lm
UF111E-50W/740	100 - 277V	50W	4000K	125 x 46°	7750lm
UF111E-50W/750	100 - 277V	50W	5000K	125 x 46°	8000lm
UF111E-80W/730	100 - 277V	80W	3000K	125 x 46°	12000lm
UF111E-80W/740	100 - 277V	80W	4000K	125 x 46°	12400lm
UF111E-80W/750	100 - 277V	80W	5000K	125 x 46°	12800lm
UF112E-100W/730	100 - 277V	100W	3000K	125 x 46°	15000lm
UF112E-100W/740	100 - 277V	100W	4000K	125 x 46°	15500lm
UF112E-100W/750	100 - 277V	100W	5000K	125 x 46°	16000lm
UF112E-150W/730	100 - 277V	150W	3000K	125 x 46°	22500lm
UF112E-150W/740	100 - 277V	150W	4000K	125 x 46°	23250lm
UF112E-150W/750	100 - 277V	150W	5000K	125 x 46°	24000lm
UF113E-200W/730	100 - 277V	200W	3000K	125 x 46°	30000lm
UF113E-200W/740	100 - 277V	200W	4000K	125 x 46°	31000lm
UF113E-200W/750	100 - 277V	200W	5000K	125 x 46°	32000lm
UF113E-300W/730	100 - 277V	300W	3000K	125 x 46°	45000lm
UF113E-300W/740	100 - 277V	300W	4000K	125 x 46°	46500lm
UF113E-300W/750	100 - 277V	300W	5000K	125 x 46°	48000lm





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