RAB | Lamps

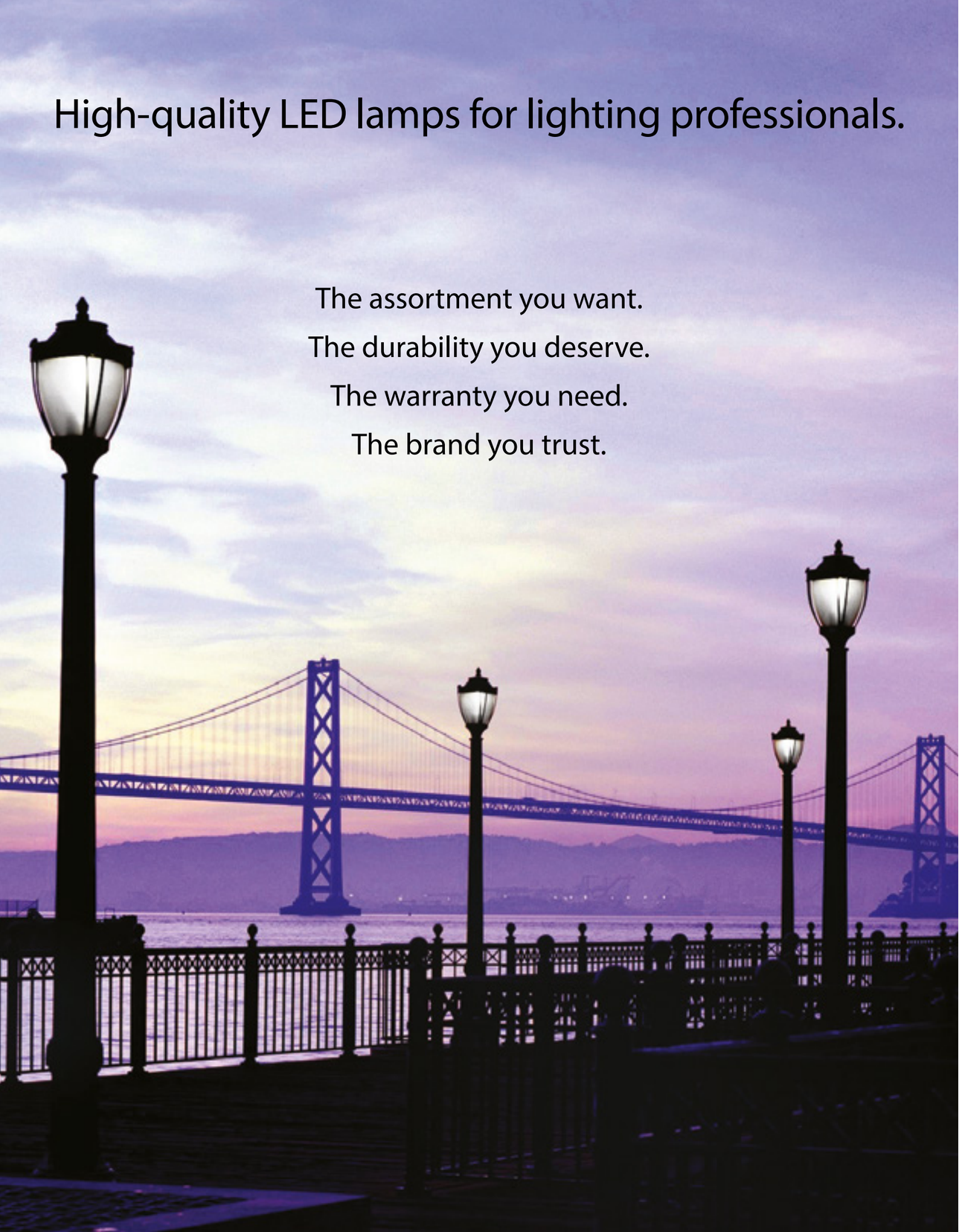
High-quality LED lamps for lighting professionals.

The assortment you want.

The durability you deserve.

The warranty you need.

The brand you trust.



RAB has been in business for over 72 years.

LAMPS 2019

RAB introduces LED lamps.

2016 **CONTROLS**

RAB introduces Lightcloud, the first lighting control system to be DLC listed and UL 2900-01 Cybersecurity rated.

INDOOR 2013

RAB enters indoor LED market.

2009 **OUTDOOR**

RAB introduces affordable outdoor LED Lighting.

LightAlert 1982

RAB invents LightAlert! The first motion-activated security sensor.

1946 **FOUNDED**

RAB founded in New York City.

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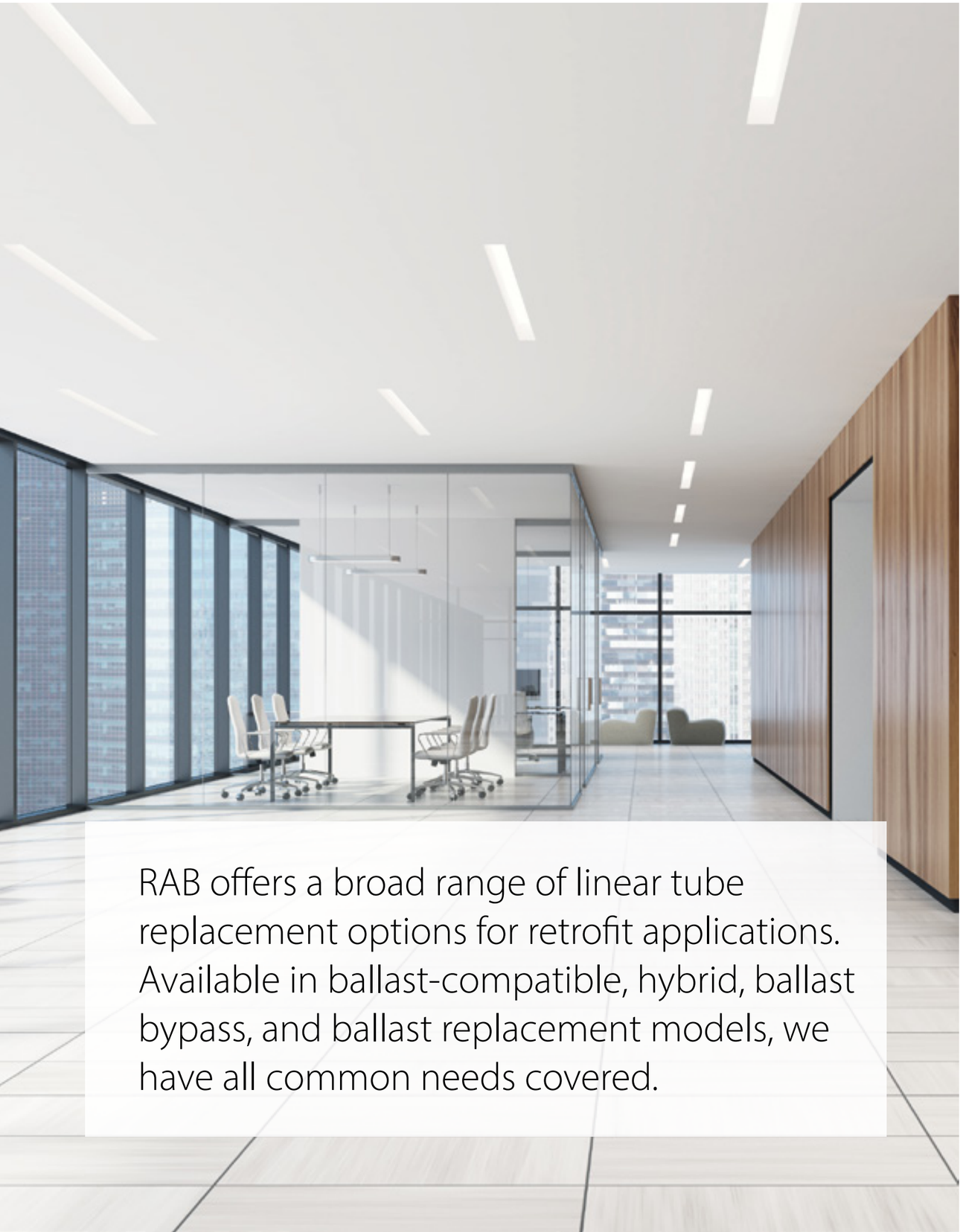
PACKAGING

Smart and Easy



LINEAR TUBES

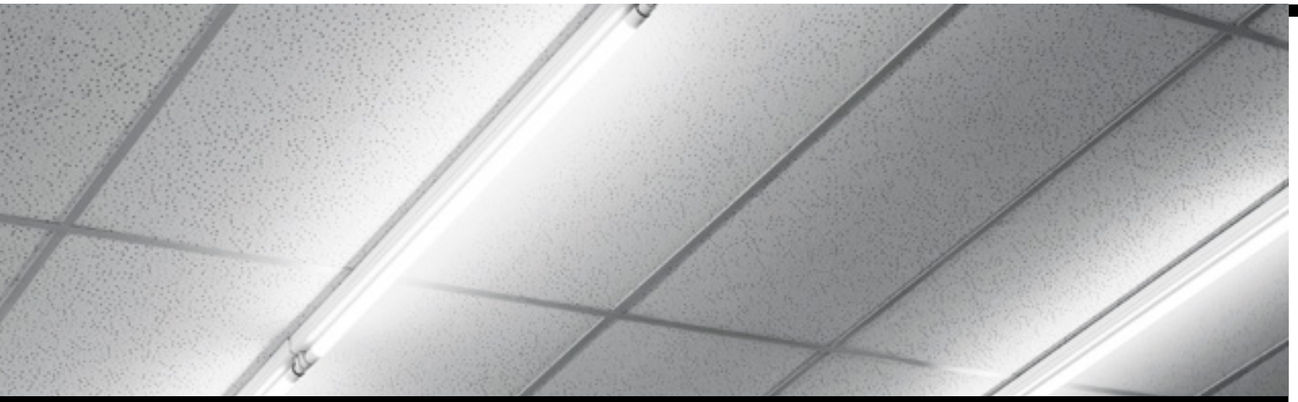
Ballast Compatible
Hybrid
Ballast Bypass
Ballast Replacement

RAB offers a broad range of linear tube replacement options for retrofit applications. Available in ballast-compatible, hybrid, ballast bypass, and ballast replacement models, we have all common needs covered.

		TYPE A	HYBRID A/B	TYPE B			TYPE C
		BALLAST COMPATIBLE	BALLAST BYPASS + COMPATIBLE	BALLAST BYPASS			BALLAST REPLACEMENT
		Works with existing ballast	Works with existing fluorescent ballast or wired directly to line voltage	The linear lamp is wired to line voltage	The linear lamp is wired to line voltage	The linear lamp is wired to line voltage	Driver is wired to line voltage
				SINGLE-ENDED INPUT	DOUBLE-ENDED INPUT	SINGLE OR DOUBLE-ENDED INPUT	
Energy Savings		Good - depends on ballast used	Good - depends if used on ballast Better - directly wired to line voltage	Better	Better	Best	Best
Cost	Initial	Lowest	Type A: **Medium** | Type B: **Medium**	Lowest	Medium	Medium	Higher
	Maintenance	High	Type A: **Medium** | Type B: **Medium**	Medium	Medium	Medium	Lowest
Installation	Difficulty	Easiest	Easiest	Medium	Medium	Medium	Medium
	Rewiring	N/A	Type A: N/A | Type B: Double-Ended	Rewire to bypass ballast	Rewire to bypass ballast	Rewire to bypass ballast	Rewire for sockets and driver
	Details			Rewire socket or new socket required for shunted applications		Flexibility in field and reduce SKU count	
Compatibility		Instant start ballast compatible[1]	Type A: Instant start ballast compatible* Type B: N/A	N/A	N/A	N/A	N/A
Controls/Dimming		Non-Dimmable	Non-Dimmable	0-10V or 120V Dimming models available	Non-Dimmable	Non-Dimmable	0-10V Dimming
Reversible to Fluorescent		Yes	Type A: **Yes** | Type B: **No**	No	No	No	No
Potential Drawbacks		• Potentially incompatible with some existing ballasts • System longevity hinges on ballast lifespan • No dimming capability	• Higher upfront cost vs standalone Type A or Type B models • Potentially incompatible with some existing ballasts • System longevity hinges on ballast lifespan • No dimming capability	• On most program start ballast applications will need to replace non-shunted sockets with shunted sockets • Using Type B lamps on an existing fluorescent ballast • Higher installation costs	• Using Type B lamps on an existing fluorescent ballast • Higher installation costs	• Using Type B lamps on an existing fluorescent ballast • Higher installation costs	• Higher installation costs due to external LED Driver

[1]Refer to ballast compatibility list

LINEAR TUBES | Type A - Ballast Compatible



Ballast-compatible tubes (UL Type A) are the simplest way to retrofit your current fluorescent fixtures to LED.

RAB's Ballast-compatible tubes can be used with the most commonly found instant start ballasts. There's no need to rewire the existing fixture—just plug and play! All models are instant on and have no flicker or hum, like most of the traditional fluorescent tubes they replace. Our linear tubes are energy efficient, mercury free and easy to recycle.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Office
- Warehouse

Key Features

EASY TO INSTALL
Simply plug and play. No rewiring, no tools, no instructions.

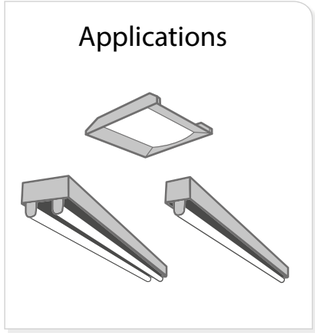
MANY OPTIONS
Available in glass, coated glass, and plastic, in various lumen packages.

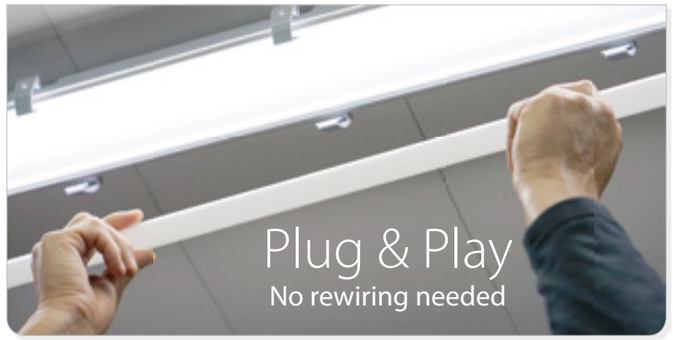
50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

COMPATIBILITY
Compatible with common commercial instant start ballasts.





Glass

BALLAST COMPATIBLE

Glass T8

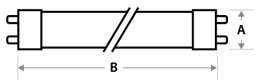
4ft Available

32W
T8 Replacement

Glass Tube

For optimal light output and heat dissipation

T8



DIMENSIONS	A	B
T8 - 4FT	1	48

Measurements in inches

G13
BASE

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	Ballast Type	DLC ID	Case (Qty)
T8 - 4 FT GLASS																	
NEW T8-10.5-48G-830-DIR	T8	10.5	32	4ft	80	3000	N	G13	240°	50k	1800	171	Ballast Dependent	Y	IS	PLGLY1Y77LR8	25
T8-10.5-48G-835-DIR						3500										PLYCVYW0VWHB	
T8-10.5-48G-840-DIR						4000					1800	171				PLTMMC5MZZ9Y	
T8-10.5-48G-850-DIR						5000										PLIK5Q5EH46P	
T8-12-48G-830-DIR	T8	12	32	4ft	82	3000	N	G13	240°	50k	1650	138	Ballast Dependent	Y	IS	PR9A4GKW	25
T8-12-48G-835-DIR						3500										PD9WWAN8	
T8-12-48G-840-DIR						4000					1800	150				PYL0QIHQ	
T8-12-48G-850-DIR						5000										P7OCSJRB	
T8-15-48G-830-DIR	T8	14.5	32	4ft	82	3000	N	G13	240°	50k	2200	150	Ballast Dependent	Y	IS	PLDH9E47DURX	25
T8-15-48G-835-DIR						3500										PLGC031GTXBQ	
T8-15-48G-840-DIR						4000					2200	150				PLB2QAFG2YPQ	
T8-15-48G-850-DIR						5000										PLGOLWLHPTTJ	

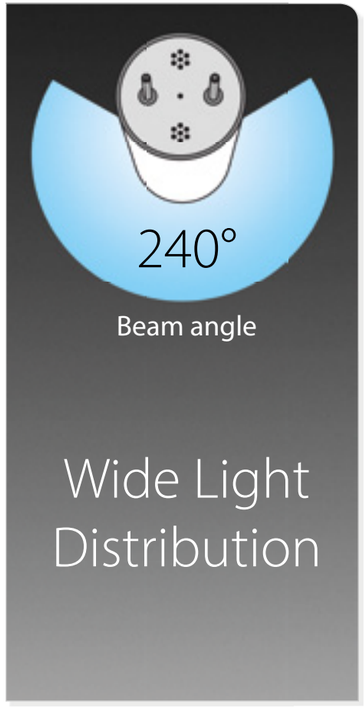
Works with program select program start ballasts.

NEW T8-12-48G-830-DIR-G2	T8	12	32	4ft	82	3000	N	G13	240°	50k	1800	138	Ballast Dependent	Y	IS/PS	Coming August 2019	25
T8-12-48G-835-DIR-G2						3500											
T8-12-48G-840-DIR-G2						4000					1900	150					
T8-12-48G-850-DIR-G2						5000											

5yr WARRANTY

UL LISTED NSF FC RoHS Compliant

LINEAR TUBES | Type A - Ballast Compatible



Glass

BALLAST COMPATIBLE

Glass T8
2ft and 3ft Available

17w
25w
T8 Replacement

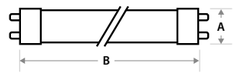
Glass U-Bend
2ft Available

32w
U-BEND
Replacement

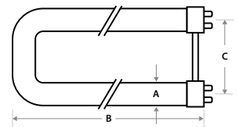
Glass T5HO
4ft Available

54w
T5HO Replacement

T8 & T5



U-Bend



DIMENSIONS	A	B	C
T8 - 2FT	1	24	-
T8 - 3FT	1	36	-
T5 - 4FT	⅝	48	-
U-Bend	1	24	6

Measurements in inches

50,000-Hour Lifespan

Shape | Lamp Power | Wattage EQ | Length | CRI | Color Temp. | Dimmable | Base | Light Dist. | Lifespan (hrs) | Lumens | Efficacy | Input Voltage | Enclosed | Ballast Type | DLC ID | Case

T8 - 3 FT GLASS

RAB Catalog #	W			80°						Lm/W		B		DLC	Qty
T8-8-36G-830-DIR	T8	8	25	3ft	82	3000	N	G13	240°	50k	1200	150	Ballast Dependent	Y	IS	PL5A4K8SL8SN	25
T8-8-36G-835-DIR						3500										PL6WTEU02TLX	
T8-8-36G-840-DIR						4000					1200	150				PLS1J5XWK9KJ	
T8-8-36G-850-DIR						5000										PL4QYO9TWIVP	

T8 - 2 FT GLASS

RAB Catalog #	W			80°						Lm/W		B		DLC	Qty
T8-6-24G-830-DIR	T8	6	17	2ft	82	3000	N	G13	240°	50k	900	150	Ballast Dependent	Y	IS	PLX3AC8TVH1L	25
T8-6-24G-835-DIR						3500										PLLP0NZP9DVS	
T8-6-24G-840-DIR						4000					900	150				PL8QFQRRKQDT	
T8-6-24G-850-DIR						5000										PL8QFQRRKQDT	

U-BEND GLASS

RAB Catalog #	W			80°						Lm/W		B		DLC	Qty
U6-15-830-DIR	U-Bend	15	32	U6	82	3000	N	2G13	240°	50k	2100	140	Ballast Dependent	Y	IS	PS809MW2	12
U6-15-835-DIR						3500										PZQNGL8J	
U6-15-840-DIR						4000					2200	147				PCMPUEKD	
U6-15-850-DIR						5000										P62GTVAT	

T5HO - 4 FT GLASS

RAB Catalog #	W			80°						Lm/W		B		DLC	Qty
T5-25-48G-830-DIR	T5	25	54	4ft	82	3000	N	G5	240°	50k	3300	132	Ballast Dependent	Y	PS	PY7AWSI3	25
T5-25-48G-835-DIR						3500										PVKG3ZPI	
T5-25-48G-840-DIR						4000					3500	140				PZBY9608	
T5-25-48G-850-DIR						5000										P0M3FRIA	

RoHS Compliant

LINEAR TUBES | Type A - Ballast Compatible

Ballast-compatible tubes (UL Type A) are the simplest way to retrofit your current fluorescent fixtures to LED.

RAB's Ballast-compatible tubes can be used with the most commonly found instant start ballasts. There's no need to rewire the existing fixture—just plug and play! All models are instant on and have no flicker or hum, like most of the traditional fluorescent tubes they replace. Our linear tubes are energy efficient, mercury free and easy to recycle.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Office
- Warehouse

Key Features

EASY TO INSTALL
Simply plug and play. No rewiring, no tools, no instructions.

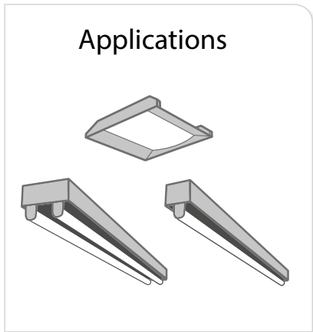
MANY OPTIONS
Available in glass, coated glass, and plastic, in various lumen packages.

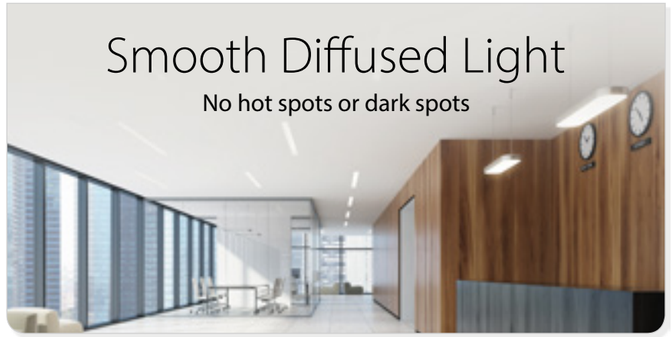
50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

PET COATING
Provides additional protection making the lamp resistant to shattering

COMPATIBILITY
Compatible with common commercial instant start ballasts.





Coated Glass

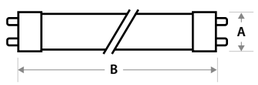
BALLAST COMPATIBLE

Glass T8

2ft, 3ft and 4ft Available

17w
25w
32w
T8 Replacement

T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 3FT	1	36
T8 - 2FT	1	24

Measurements in inches

G13
BASE

50,000-Hour Lifespan

T8 - 4 FT COATED GLASS

	RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Input Voltage	Ballast Type	DLC ID	Case Qty
NEW	T8-10.5-48GC-835-DIR	T8	10.5	32	4ft	80	3500	N	G13	180°	50k	1750	166	Ballast Dependent	IS	PQR1NY48	25
	T8-10.5-48GC-840-DIR						4000					1800	171			PC31UUKD	
	T8-10.5-48GC-850-DIR						5000					1800	171			PCC366HO	
NEW	T8-12-48GC-835-DIR	T8	12	32	4ft	80	3500	N	G13	180°	50k	1800	150	Ballast Dependent	IS	PBC0RRS1	25
	T8-12-48GC-840-DIR						4000					1800	150			P70EGKT2	
	T8-12-48GC-850-DIR						5000					1800	150			P7N6PSYH	
NEW	T8-14-48GC-835-DIR	T8	14	32	4ft	80	3500	N	G13	180°	50k	2000	142	Ballast Dependent	IS	P7N6PSYH	25
	T8-14-48GC-840-DIR						4000					2200	157			PBBVTCHL	
	T8-14-48GC-850-DIR						5000					2200	157			P3CIU49E	

T8 - 3 FT COATED GLASS

NEW	T8-8-36GC-835-DIR	T8	8	25	3ft	80	3500	N	G13	180°	50k	1200	150	Ballast Dependent	IS	PUUD46OV	25
	T8-8-36GC-840-DIR						4000					1200	150			PRI5NXZQ	
	T8-8-36GC-850-DIR						5000					1200	150			PG840YA0	

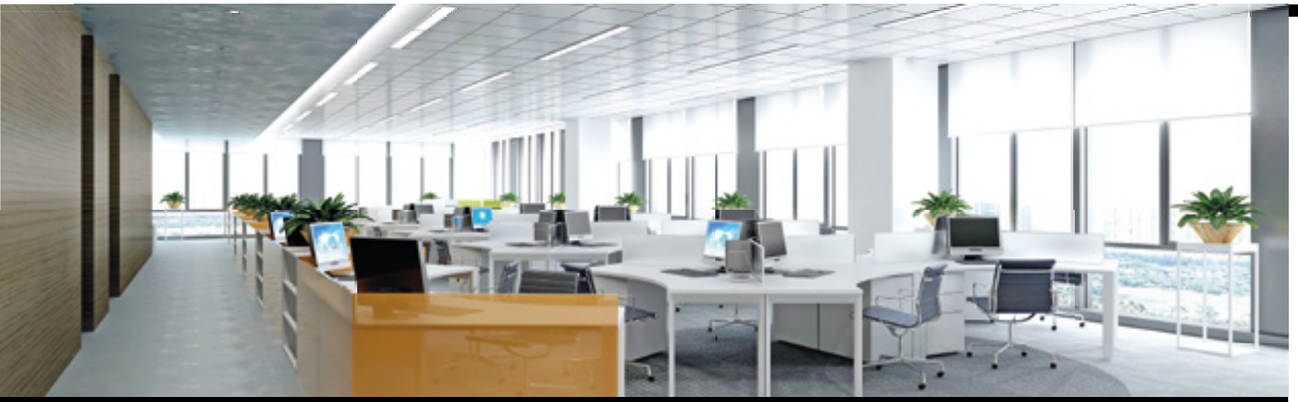
T8 - 2 FT COATED GLASS

NEW	T8-7-24GC-835-DIR	T8	7	17	2ft	80	3500	N	G13	180°	50k	1050	150	Ballast Dependent	IS	PEYAH42V	25
	T8-7-24GC-840-DIR						4000					1050	150			P276Z9O9	
	T8-7-24GC-850-DIR						5000					1050	150			P2TZC6SJ	

5yr WARRANTY

UL LISTED NSF FC RoHS Compliant

LINEAR TUBES | Type A - Ballast Compatible



Ballast-compatible tubes (UL Type A) are the simplest way to retrofit your current fluorescent fixtures to LED.

RAB's Ballast-compatible tubes can be used with the most commonly found instant start ballasts. There's no need to rewire the existing fixture—just plug and play! All models are instant on and have no flicker or hum, like most of the traditional fluorescent tubes they replace. Our linear tubes are energy efficient, mercury free and easy to recycle.

Applications

- Commercial
- Education
- Food Service
- Industrial
- Manufacturing
- Office

Key Features

EASY TO INSTALL
Simply plug and play. No rewiring, no tools, no instructions.

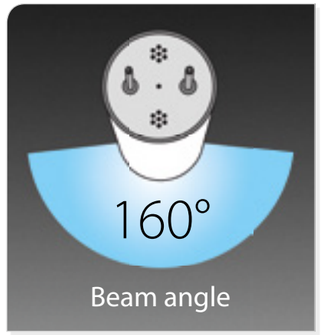
MANY OPTIONS
Available in glass, coated glass, and plastic, in various lumen packages.

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

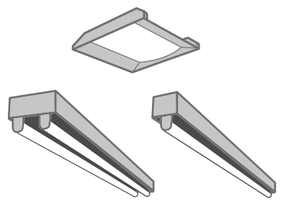
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

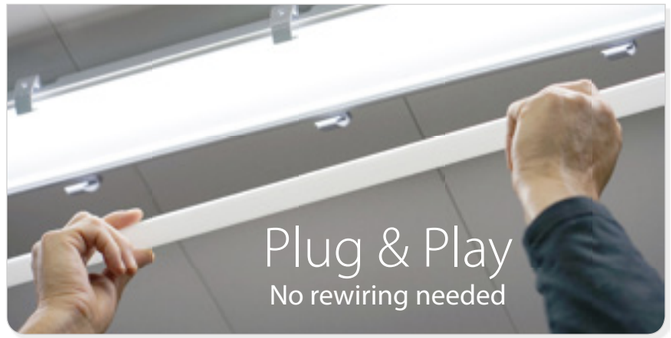
DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

COMPATIBILITY
Compatible with common commercial instant start ballasts.



Applications





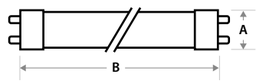
Plastic

BALLAST COMPATIBLE

Plastic T8
2ft and 4ft Available

17W
32W
T8 Replacement

T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 2FT	1	24

Measurements in inches

G13
BASE

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI (80+)	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	Ballast Type (B)	DLC ID	Case (Qty)
T8 - 4 FT PLASTIC																	
T8-12-48P-830-DIR	T8	12	32	4ft	80	3000	N	G13	160°	50k	1800	150	Ballast Dependent	Y	IS	Pending	25
T8-12-48P-835-DIR						3500										Pending	
T8-12-48P-840-DIR						4000										Pending	
T8-12-48P-850-DIR						5000										Pending	
T8-15-48P-830-DIR	T8	14.5	32	4ft	80	3000	N	G13	160°	50k	2200	150	Ballast Dependent	Y	IS	Pending	25
T8-15-48P-835-DIR						3500										Pending	
T8-15-48P-840-DIR						4000										Pending	
T8-15-48P-850-DIR						5000										Pending	
T8 - 2 FT PLASTIC																	
T8-6-24P-830-DIR	T8	6	17	2ft	80	3000	N	G13	160°	50k	900	150	Ballast Dependent	Y	IS	Pending	25
T8-6-24P-835-DIR						3500										Pending	
T8-6-24P-840-DIR						4000										Pending	
T8-6-24P-850-DIR						5000										Pending	

5yr WARRANTY

UL LISTED NSF FC RoHS Compliant

LINEAR TUBES | Type A/B Hybrid

Hybrid tubes (sometimes referred to as "dual mode") are the latest in fluorescent replacement technology.

RAB's Hybrid A/B tubes can be used as a plug and play (UL type A) or a double-ended (UL type B) retrofit. This allows for maximum in-field flexibility when installing and also reduces the amount of SKUs needed to stock.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Office
- Retail

Key Features

EASY TO INSTALL
Simply plug and play, or wire direcly to line voltage.

HIGHLY EFFICIENT
led tube delivers greater than 150 lm/W.

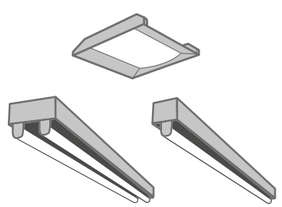
50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

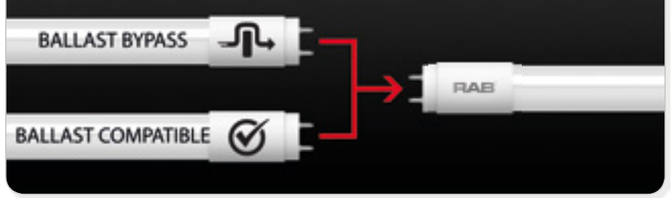
COMPATIBILITY
Compatible with common commercial instant start ballasts.

Applications



Reduce Inventory

Reduce the number or SKUs needed to perform an installation and improve flexibility in the field for installers.



Glass - Hybrid

BALLAST | BYPASS + COMPATIBLE

Glass T8

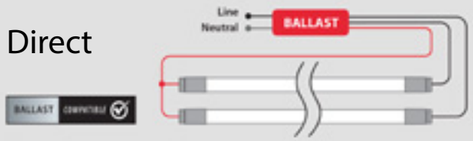
2ft and 4ft Available

17W
32W
T8 Replacement

Type A/B Hybrid

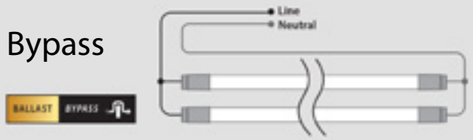
Increased flexibility in the field

Direct



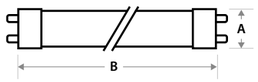
Working with existing Instant Start (IS) ballast.

Bypass



Double-Ended wired direct to line voltage.

T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 2FT	1	24

Measurements in inches

G13
BASE

50,000-Hour Lifespan

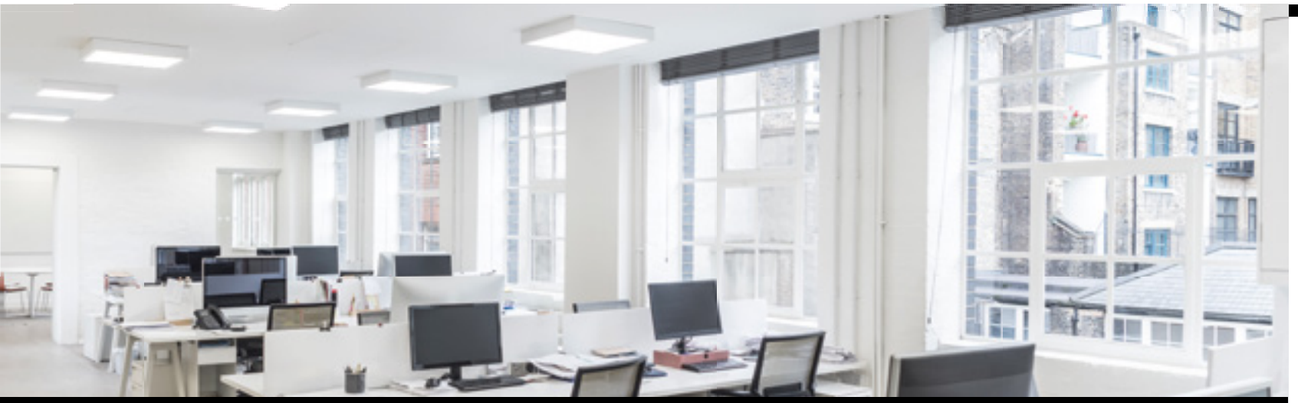
RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI (80+)	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case (Qty)
T8 - 4 FT GLASS HYBRID																
T8-12-48G-835-HYB	T8	12	32	4ft	80	3500	N	G13	240°	50k	1800	150	Ballast Dependent or 120-277V	Y	PLLO0EYODJFR	25
T8-12-48G-840-HYB						4000									PLSJN0WQF9HA	
T8-12-48G-850-HYB						5000									PLPEL0MT8C52	
T8 - 2 FT GLASS HYBRID																
T8-7.5-24G-835-HYB	T8	7.5	17	2ft	80	3500	N	G13	240°	50k	1150	153	Ballast Dependent or 120-277V	Y	PL3RYWXAPF5L	25
T8-7.5-24G-840-HYB						4000									PL6F40NQUY3R	
T8-7.5-24G-850-HYB						5000									PL6FDHH6SWCM	

NEW

5yr WARRANTY

RoHS Compliant

LINEAR TUBES | Type B - Ballast Bypass



Ballast bypass tubes eliminate the need for an external ballast or driver because they operate directly on 120-277V line voltage, instead.

Bypassing ballasts improves efficiency, reliability and lifespan, and also drastically reduces maintenance costs by eliminating the need to replace those ballasts later on. Available in single-ended, double-ended, and single-ended + double-ended models, these LED tubes work with shunted or non-shunted sockets, making installation as easy and flexible as possible in the field.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Office
- Retail

Key Features

EASY TO INSTALL
Simply cut the ballast out and wire directly to non-shunted sockets.

MANY OPTIONS
Various lengths and form factors available, in several different lumen packages.

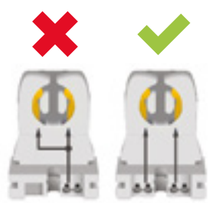
SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

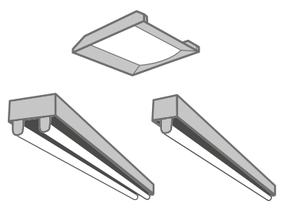
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

Works on Non-Shunted Sockets only



Applications



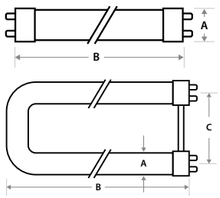
Single-Ended Glass

BALLAST BYPASS

Glass T8
2ft and 4ft Available
17W
32W
T8 Replacement

Glass U-Bend
2ft Available
32W
U-Bend Replacement

T8 & U-Bend



DIMENSIONS	A	B	C
T8 - 4FT	1	48	-
T8 - 2FT	1	24	-
U-Bend	1	24	6

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI (80+)	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case (Qty)
T8 - 4 FT GLASS																
NEW T8-12-48G-830-SE-BYP	T8	12	32	4ft	80	3000	N	G13	240°	50k	1800	150	120-277	Y	PLO2MC87QNV5	25
T8-12-48G-835-SE-BYP	T8	12	32	4ft	80	3500	N	G13	240°	50k	1800	150	120-277	Y	PLASKGCR6ERO	25
T8-12-48G-840-SE-BYP	T8	12	32	4ft	80	4000	N	G13	240°	50k	1800	150	120-277	Y	PLFZSE47F2Q2	25
T8-12-48G-850-SE-BYP	T8	12	32	4ft	80	5000	N	G13	240°	50k	1800	150	120-277	Y	PLN5ZBFRPAAK	25
T8-15-48G-H-830-SE-BYP	T8	14.5	32	4ft	82	3000	N	G13	240°	50k	2000	138	120-277	Y	PL01IX0QG3H4	25
T8-15-48G-H-835-SE-BYP	T8	14.5	32	4ft	82	3500	N	G13	240°	50k	2000	138	120-277	Y	PLROFSN92PAA	25
T8-15-48G-H-840-SE-BYP	T8	14.5	32	4ft	82	4000	N	G13	240°	50k	2000	138	120-277	Y	PLG8DZWQLEGX	25
T8-15-48G-H-850-SE-BYP	T8	14.5	32	4ft	82	5000	N	G13	240°	50k	2000	138	120-277	Y	PLS9N42S8M4A	25
T8 - 2 FT GLASS																
T8-8-24G-830-SE-BYP	T8	8	17	2ft	82	3000	N	G13	240°	50k	950	135	120-277	Y	PLQ020RJAXDP	25
T8-8-24G-835-SE-BYP	T8	8	17	2ft	82	3500	N	G13	240°	50k	950	135	120-277	Y	PLMTOY8LYXYE	25
T8-8-24G-840-SE-BYP	T8	8	17	2ft	82	4000	N	G13	240°	50k	950	135	120-277	Y	PL1QRT7A4FE1	25
T8-8-24G-850-SE-BYP	T8	8	17	2ft	82	5000	N	G13	240°	50k	950	135	120-277	Y	PLPAD14PSKDA	25
U-BEND GLASS																
U6-18-830-SE-BYP	U-Bend	18	32	U6	82	3000	N	2G13	240°	50k	2100	117	120-277	Y	PNP23A0T	12
U6-18-835-SE-BYP	U-Bend	18	32	U6	82	3500	N	2G13	240°	50k	2100	117	120-277	Y	P3VE9448	12
U6-18-840-SE-BYP	U-Bend	18	32	U6	82	4000	N	2G13	240°	50k	2200	122	120-277	Y	PI0D25GV	12
U6-18-850-SE-BYP	U-Bend	18	32	U6	82	5000	N	2G13	240°	50k	2200	122	120-277	Y	PUF6NFOS	12

5yr WARRANTY

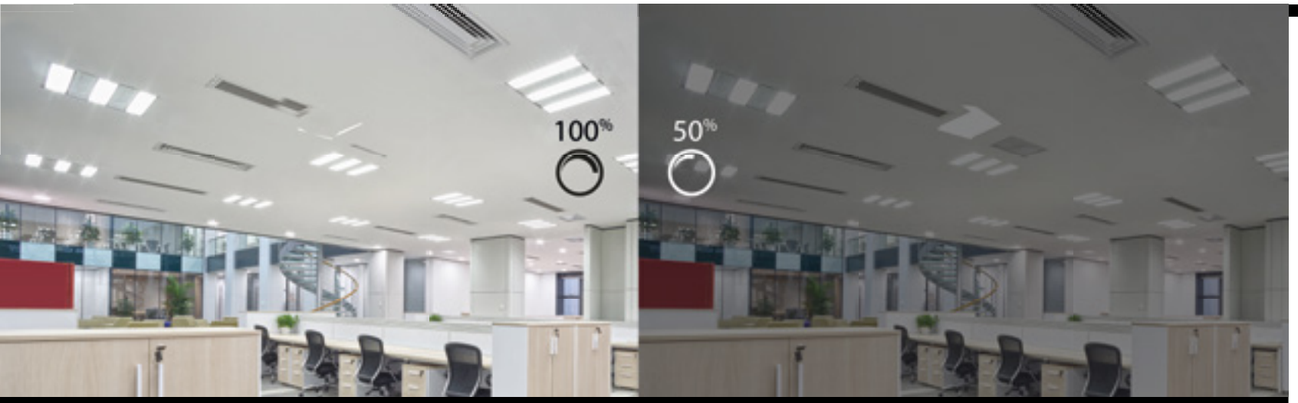
RoHS Compliant

Lamp Holders

RAB Catalog #	Description	Features
SOCKET-T8-T-2-KITS	Lamp Holder - Tall	2-lamp wiring harness for LED Tubes*
SOCKET-T8-T-3-KITS	Lamp Holder - Tall	3-lamp wiring harness for LED Tubes*
SOCKET-T8-T-4-KITS	Lamp Holder - Tall	4-lamp wiring harness for LED Tubes*
SOCKET-T8-T-6-KITS	Lamp Holder - Tall	6-lamp wiring harness for LED Tubes*
SOCKET-T8-S-2-KITS	Lamp Holder - Short	2-lamp wiring harness for LED Tubes*
SOCKET-T8-S-3-KITS	Lamp Holder - Short	3-lamp wiring harness for LED Tubes*
SOCKET-T8-S-4-KITS	Lamp Holder - Short	4-lamp wiring harness for LED Tubes*

*All items include pre-wired tall, non-shunted sockets with Power Quick Disconnect

LINEAR TUBES | Type B - Ballast Bypass



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Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Office
- Retail

Key Features

EASY TO INSTALL
Simply cut the ballast out and wire directly to non-shunted sockets.

HIGHLY EFFICIENT
Delivering greater than 124 lm/W.

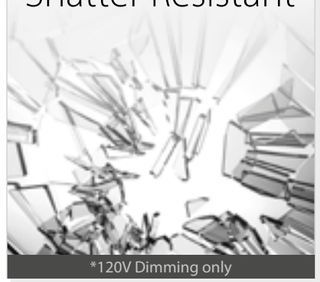
DIMMING CAPABILITY
Onboard driver allows for 0-10V or 120V dimming.

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

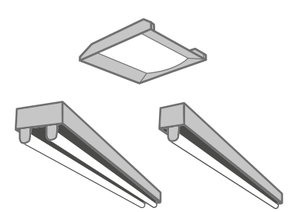
DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

Shatter Resistant



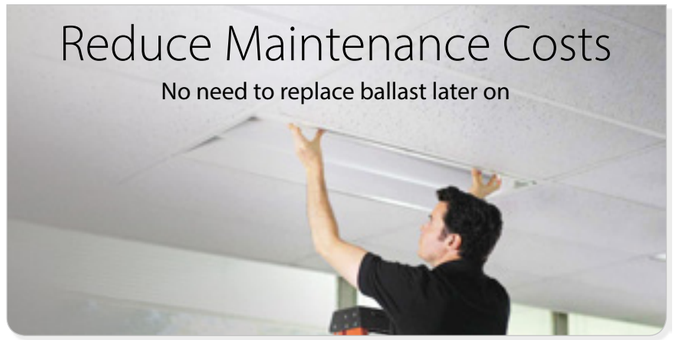
*120V Dimming only

Applications



Reduce Maintenance Costs

No need to replace ballast later on



Dimmable Single-Ended Glass

BALLAST BYPASS

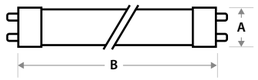
Glass T8
4ft Available

32W
T8 Replacement

120V Dimming Models
Cut costs. No need to run 0-10V wires

0-10V & 120V Dimming
Models available

T8

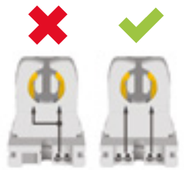


DIMENSIONS	A	B
T8 - 4FT	1	48

Measurements in inches

G13
BASE

Works on Non-Shunted Sockets only



50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI (80+)	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case (Qty)
T8 - 4 FT 0-10V DIMMABLE GLASS																
NEW T8-14-48G-835-SE-BYP-DIM	T8	14	32	4ft	80	3500	0-10V	G13	240°	50k	1800	130	120-277	Y	PVK2Q3OR	25
T8-14-48G-840-SE-BYP-DIM	T8	14	32	4ft	80	4000	0-10V	G13	240°	50k	1800	130	120-277	Y	P6OJO0TO	25
T8-14-48G-850-SE-BYP-DIM	T8	14	32	4ft	80	5000	0-10V	G13	240°	50k	1800	130	120-277	Y	P19UITLV	25
T8 - 4 FT 120V DIMMABLE COATED GLASS																
NEW T8-14.5-48GC-830-SE-BYP-PDIM	T8	14.5	32	4ft	80	3000	120V	G13	180°	50k	1800	124	120	Y	PLZJEU4VPQA1	25
T8-14.5-48GC-835-SE-BYP-PDIM	T8	14.5	32	4ft	80	3500	120V	G13	180°	50k	1800	124	120	Y	PLFR855ZXJ2S	25
T8-14.5-48GC-840-SE-BYP-PDIM	T8	14.5	32	4ft	80	4000	120V	G13	180°	50k	1900	130	120	Y	PL8FGILQ3LQA	25
T8-14.5-48GC-850-SE-BYP-PDIM	T8	14.5	32	4ft	80	5000	120V	G13	180°	50k	1900	130	120	Y	PLHEOEERT7XF	25

5yr WARRANTY

RoHS Compliant

LINEAR TUBES | Type B - Ballast Bypass

Ballast bypass tubes eliminate the need for an external ballast or driver because they operate directly on 120-277V line voltage, instead.

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Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Residential
- Retail

Key Features

EASY TO INSTALL
Simply cut the ballast out, and rewire sockets directly to line voltage.

MANY OPTIONS
Various lengths and form factors available, in several different lumen packages.

SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

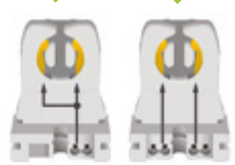
50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

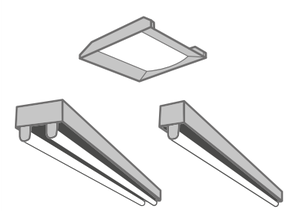
DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

Works on both!

Shunted & Non-Shunted



Applications



Double-Ended Glass

BALLAST BYPASS

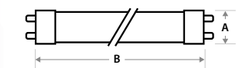
Glass T8
2ft, 3ft, 4ft and 8ft Available

17w
25w
32w
59/54w
T8 Replacement

Glass T5HO
4ft Available

54w
T5HO Replacement

T8 & T5



DIMENSIONS	A	B
T8 - 2FT	1	24
T8 - 3FT	1	36
T8 - 4FT	1	48
T8 - 8FT	1	96
T5 - 4FT	5/8	48

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Input Voltage	Enclosed	DLC ID	Qty
T8 - 4 FT GLASS																	
NEW T8-10.5-48G-835-DE-BYP	T8	10.5	32	4ft	82	3500	N	G13	240°	50k	1700	160	120-277	Y	PD2KJ0EC	25	
T8-10.5-48G-840-DE-BYP						4000									PJFXBEXK		
T8-10.5-48G-850-DE-BYP						5000									PAC5ZY4Z		
T8-14-48G-830-DE-BYP	T8	14	32	4ft	82	3000	N	G13	240°	50k	1700	121	120-277	Y	PBAEKZ7E	25	
T8-14-48G-835-DE-BYP						3500									PMJAWYQJ		
T8-14-48G-840-DE-BYP						4000					1800	129			P74XZ1NY		
T8-14-48G-850-DE-BYP						5000									PJ5VSR8I		
T8-17-48G-830-DE-BYP	T8	17	32	4ft	82	3000	N	G13	240°	50k	2100	124	120-277	Y	P6LELGLA	25	
T8-17-48G-835-DE-BYP						3500									PY1WPW83		
T8-17-48G-840-DE-BYP						4000					2200	150			PLCBLRMU		
T8-17-48G-850-DE-BYP						5000									PG7EHIWS		
T8 - 3 FT GLASS																	
NEW T8-12-36G-835-DE-BYP	T8	12	25	3ft	82	3500	N	G13	240°	50k	1450	121	120-277	Y	PX2A3L7O	25	
T8-12-36G-840-DE-BYP						4000									PNSUY7TN		
T8-12-36G-850-DE-BYP						5000									PYH93L14		
T8 - 2 FT GLASS																	
T8-9-24G-830-DE-BYP	T8	9	17	2ft	82	3000	N	G13	240°	50k	1100	122	120-277	Y	PNH89T0B	25	
T8-9-24G-835-DE-BYP						3500									P47J6LPI		
T8-9-24G-840-DE-BYP						4000					1150	130			PNUWOH5F		
T8-9-24G-850-DE-BYP						5000									PSU2KZSH		
T8 - 8 FT GLASS																	
T8-43-96G-FA8-830-DE-BYP	T8	43	59/54	8ft	82	3000	N	Fa8	240°	50k	5000	116	120-277	Y	PLW094G9VJFW	10	
T8-43-96G-FA8-835-DE-BYP						3500									PLCPHCMV6D6Q		
T8-43-96G-FA8-840-DE-BYP						4000					5500	128			PLE81BEEHYJC		
T8-43-96G-FA8-850-DE-BYP						5000									PLDD4UETCWP4		
T8-43-96G-R17d-830-DE-BYP	T8	43	59/54	8ft	82	3000	N	R17d	240°	50k	5000	116	120-277	Y	No Current DLC Category	10	
T8-43-96G-R17d-835-DE-BYP						3500											
T8-43-96G-R17d-840-DE-BYP						4000					5500	128					
T8-43-96G-R17d-850-DE-BYP						5000											
T5HO - 4 FT GLASS																	
T5-25-48G-830-BYP	T5HO	25	54	4ft	82	3000	N	G5	240°	50k	3300	132	120-277	Y	POWGAPJJ	25	
T5-25-48G-835-BYP						3500									PYFA1QQL		
T5-25-48G-840-BYP						4000					3500	140			P4ZNIOTD		
T5-25-48G-850-BYP						5000									PTP9U4G5		

RoHS Compliant

LINEAR TUBES | Type B - Ballast Bypass

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- Retail

Key Features

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Simply cut the ballast out, and rewire sockets directly to line voltage.

MANY OPTIONS
Various lengths and form factors available, in several different lumen packages.

SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

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ENCLOSED FIXTURE RATED
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DIFFUSION COATING
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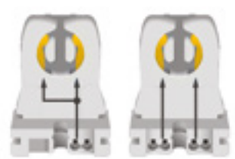
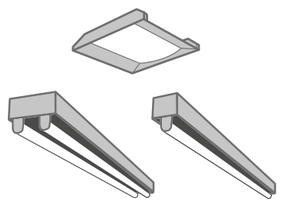
Works on both!

Shunted & Non-Shunted

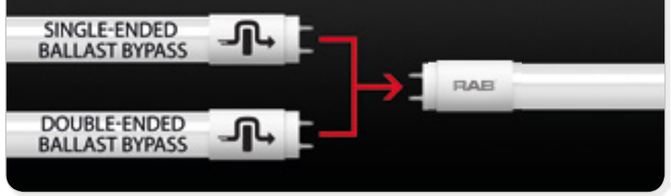


Applications



Reduce Inventory

Reduce the number or SKUs needed to perform an installation and improve flexibility in the field for installers.



Single + Double-Ended Glass

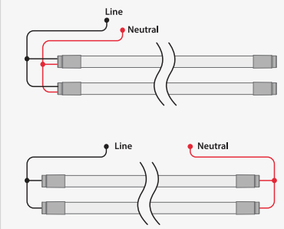
BALLAST BYPASS

Glass T8

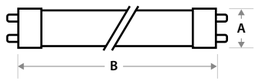
2ft and 4ft Available

17W
32W
T8 Replacement

Single-Ended Wiring OR Double-Ended Wiring



T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 2FT	1	24

Measurements in inches

G13
BASE

50,000-Hour Lifespan

T8 - 4FT GLASS

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case (Qty)
NEW T8-10.5-48G-835-SD-BYP						3500									PLO4YVNCRS34	
T8-10.5-48G-840-SD-BYP	T8	10.5	32	4ft	82	4000	N	G13	240°	50k	1700	160	120-277	Y	PLJCU2N7A1YY	25
T8-10.5-48G-850-SD-BYP						5000									PLLRQSQF99V5	
T8-14-48G-830-SD-BYP						3000									PO5EJH1X	
T8-14-48G-835-SD-BYP	T8	14	32	4ft	82	3500	N	G13	240°	50k	1700	121	120-277	Y	P228KRZ1	25
T8-14-48G-840-SD-BYP						4000					1800	129			PNA89F5K	
T8-14-48G-850-SD-BYP						5000									P18N3BUA	
T8-17-48G-830-SD-BYP						3000									P8NHRT2N	
T8-17-48G-835-SD-BYP	T8	17	32	4ft	82	3500	N	G13	240°	50k	2100	124	120-277	Y	P6BANSI5	25
T8-17-48G-840-SD-BYP						4000					2200	129			PLZWAF57	
T8-17-48G-850-SD-BYP						5000									PRMKONCV	

T8 - 2FT GLASS

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case (Qty)
T8-9-24G-830-SD-BYP						3000									PIVV0DFM	
T8-9-24G-835-SD-BYP	T8	9	17	2ft	82	3500	N	G13	240°	50k	1100	122	120-277	Y	PTNK0MM7	25
T8-9-24G-840-SD-BYP						4000					1150	128			PROTUT1T	
T8-9-24G-850-SD-BYP						5000									PW8M78VM	

RoHS Compliant

LINEAR TUBES | Type B - Ballast Bypass

Ballast bypass tubes eliminate the need for an external ballast or driver because they operate directly on 120-277V line voltage, instead.

Bypassing ballasts improves efficiency, reliability and lifespan, and also drastically reduces maintenance costs by eliminating the need to replace those ballasts later on. Available in single-ended, double-ended, and single-ended + double-ended models, these LED tubes work with shunted or non-shunted sockets, making installation as easy and flexible as possible in the field.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Residential
- Retail

Key Features

EASY TO INSTALL
Simply cut the ballast out, and rewire sockets directly to line voltage.

MANY OPTIONS
Various lengths and form factors available, in several different lumen packages.

SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

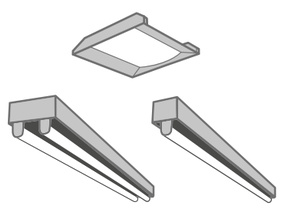
50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

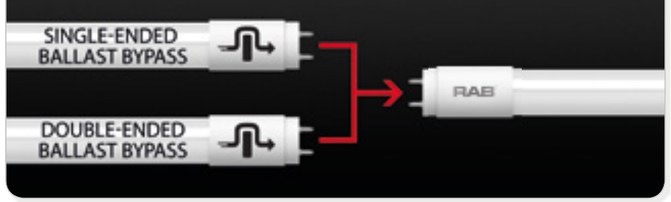
Shatter Resistant

Applications



Reduce Inventory

Reduce the number or SKUs needed to perform an installation and improve flexibility in the field for installers.



Single + Double-Ended Coated Glass

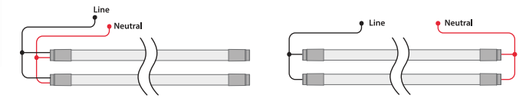
BALLAST BYPASS

Glass T8

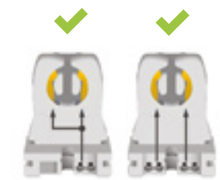
2ft, 3ft and 4ft Available

17W
25W
32W
T8 Replacement

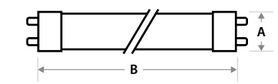
Single-Ended Wiring - OR - Double-Ended Wiring



Works on both!
Shunted & Non-Shunted Lamp Holders



T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 3FT	1	36
T8 - 2FT	1	24

Measurements in inches

G13
BASE

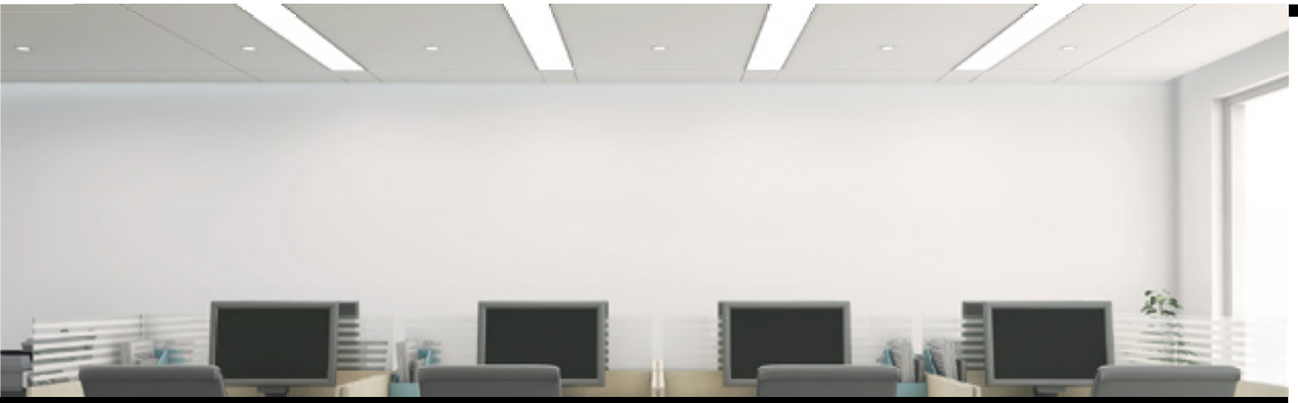
50,000-Hour Lifespan

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case Qty
T8 - 4FT COATED GLASS																	
NEW T8-12-48GC-835-SD-BYP	T8	12	32	4ft	80	3500	N	G13	180°	50k	1800	150	120-277	Y	P1YWQ9LR	25
T8-12-48GC-840-SD-BYP						4000									P50HDJ4Z	
T8-12-48GC-850-SD-BYP						5000									P750DRWZ	
NEW T8-15-48GC-835-SD-BYP	T8	15	32	4ft	80	3500	N	G13	180°	50k	2200	146	120-277	Y	P4BRAKJ3	25
T8-15-48GC-840-SD-BYP						4000									PGM9FMTG	
T8-15-48GC-850-SD-BYP						5000									PUKWLD8G	
T8 - 3FT COATED GLASS																	
NEW T8-9-36GC-835-SD-BYP	T8	9	25	3ft	80	3500	N	G13	180°	50k	1200	133	120-277	Y	PMAYNJW3	25
T8-9-36GC-840-SD-BYP						4000									PK60UT6O	
T8-9-36GC-850-SD-BYP						5000									P8DACXMV	
T8 - 2FT COATED GLASS																	
NEW T8-7-24GC-835-SD-BYP	T8	7	17	2ft	80	3500	N	G13	180°	50k	950	135	120-277	Y	PTNZZZ50	25
T8-7-24GC-840-SD-BYP						4000									PWQKRZ0J	
T8-7-24GC-850-SD-BYP						5000									PXYN67XS	

5yr WARRANTY

RoHS Compliant

LINEAR TUBES | Type B - Ballast Bypass



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Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Residential
- Retail

Key Features

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Simply cut the ballast out, and rewire sockets directly to line voltage.

MANY OPTIONS
Various lengths and form factors available, in several different lumen packages.

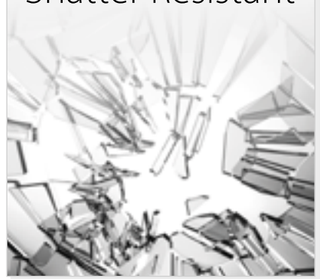
SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

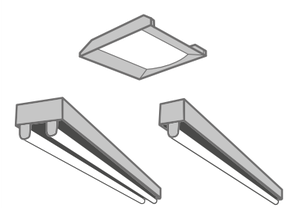
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

Shatter Resistant

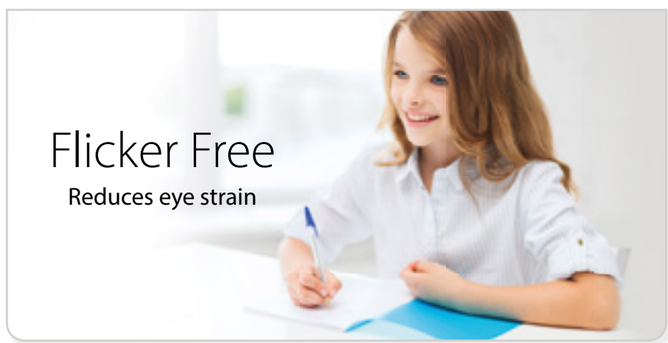


Applications



Flicker Free

Reduces eye strain



Single + Double-Ended Flicker Free

BALLAST BYPASS

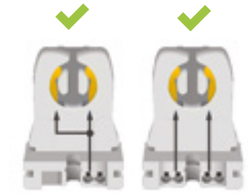
Glass T8

2ft and 4ft Available

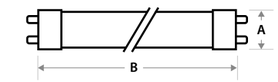
17w
32w
T8 Replacement

Works on both!

Shunted & Non-Shunted



T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 2FT	1	24

Measurements in inches

50,000-Hour Lifespan

T8 - 4FT FLICKER FREE COATED GLASS

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Enclosed	DLC ID	Case Qty
NEW T8-12-48GC-835-SD-BYP-FF							3500									PCKUV52A	
T8-12-48GC-840-SD-BYP-FF	T8	12	32	4ft	80		4000	N	G13	180°	50k	1800	150	120-277	Y	PGE28ZD2	25
T8-12-48GC-850-SD-BYP-FF							5000									P3K3C7DA	

5yr warranty

T8 - 2FT FLICKER FREE COATED GLASS

NEW T8-7-24GC-835-SD-BYP-FF							3500									PXI6CTL6	
T8-7-24GC-840-SD-BYP-FF	T8	7	17	2ft	80		4000	N	G13	180°	50k	950	135	120-277	Y	P1E99YHY	25
T8-7-24GC-850-SD-BYP-FF							5000									PSLVQVUZ	

5yr warranty

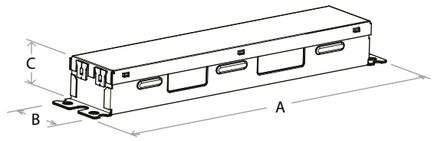
RoHS Compliant

Emergency Driver

Works on Double-Ended and Single+Double Ended

RAB Catalog #	Description	Case Qty
DRIVERS		
NEW DRI-5-EMGR-T8	Emergency lamp driver	6

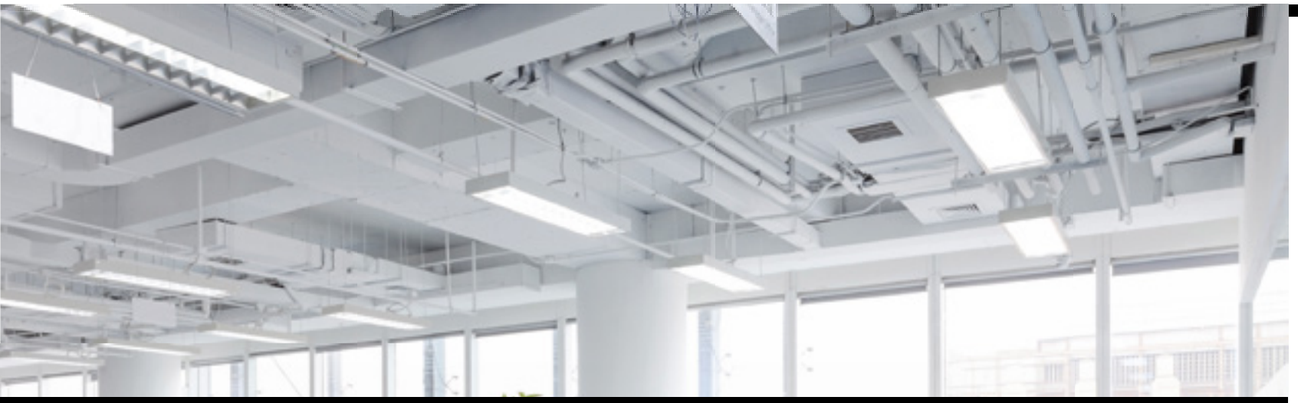
5yr warranty



DIMENSIONS	A	B	C
Driver	9 ½	1 ¼	1 ¼

Measurements in inches

LINEAR TUBES | Type C - Ballast Replacement



Ballast replacement UL Type C tubes operate with an external driver, rather than using an integrated driver or external ballast as a source of power.

Type C tubes are ideal for maximizing efficiency in systems with old fluorescent ballasts, without installing Type B line voltage retrofit lamps. They provide the highest efficiency, guaranteed system compatibility (including dimming and controls), and the best overall performance. Type C LED tubes also qualify for additional utility rebates.

Applications

- Commercial
- Education
- Healthcare
- Hospitality
- Residential
- Retail

Key Features

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

DIMMABLE
Compatible with 0-10V dimming systems for higher efficiency.

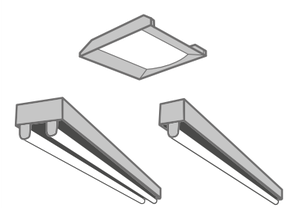
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

LOW FLICKER
Less than 5% flicker.

0-10V Dimming

Applications



Save Energy and Money

Provides same output as fluorescent but uses far less energy

Glass Type C Ballast Replacement Kits

BALLAST REPLACEMENT

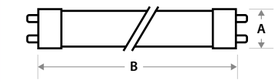
2-LAMP KIT

32W
T8 Replacement

4-LAMP KIT

32W
T8 Replacement

T8



DIMENSIONS	A	B
T8 - 4FT	1	48

Measurements in inches

G13
BASE

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ. (=)	Length	CRI (80+)	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	DLC ID	Case (Qty)
T8 4 FT GLASS KITS															
T8-26-48G-840-EXT-2L-DIM	T8	13	32	4ft	80	4000	Y	G13	240°	50k	1800	138	120-277	PG5Z9LGS	6
T8-26-48G-850-EXT-2L-DIM	T8	13	32	4ft	80	5000	Y	G13	240°	50k	1800	138	120-277	P3EOZ7YK	6
T8-52-48G-840-EXT-4L-DIM	T8	13	32	4ft	80	4000	Y	G13	240°	50k	1800	138	120-277	P3SZW6AY	6
T8-52-48G-850-EXT-4L-DIM	T8	13	32	4ft	80	5000	Y	G13	240°	50k	1800	138	120-277	PUG24WN6	6

5yr WARRANTY

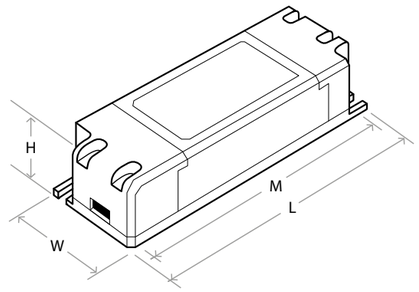
*Lamp and Driver sold together

ETL NSF FC RoHS Compliant

DRIVER DETAILS

DIMENSIONS	Overall (L)	Width (W)	Height (H)	Mount (M)
2 Lamps	5 ½	1 ⅞	1 ⅛	5 ⅛
4 Lamps	6 ⅛	2	1 ¼	5 ¾

Measurements in inches



LINEAR TUBES | Type C - Ballast Replacement

Key Features

50,000-HOUR LIFESPAN
Lasts 1.6x longer than standard fluorescent tubes.

SAVE ENERGY AND MONEY
Provides same output as fluorescent but uses far less energy.

DIMMABLE
Compatible with 0-10V dimming systems for higher efficiency.

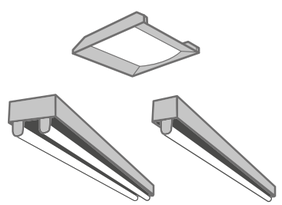
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

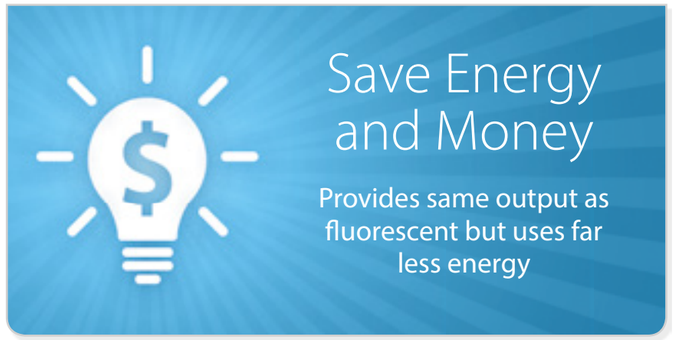
DIFFUSION COATING
Will maintain the same light quality over time and won't yellow, shrink, or wrinkle.

LOW FLICKER
Less than 5% flicker.

0-10V Dimming

Applications





Ballast Replacement Linear Tubes

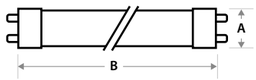
BALLAST REPLACEMENT

Glass T8

2ft, 3ft and 4ft Available

17w
25w
32w
T8 Replacement

T8



DIMENSIONS	A	B
T8 - 4FT	1	48
T8 - 3FT	1	36
T8 - 2FT	1	24

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Total Power (Lamp + Driver)	Wattage EQ	Length	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Input Voltage	Enclosed	DLC ID	Case Qty
T8 - 4FT GLASS																	
NEW T8-11-48G-835-EXT	T8	11	13	32	4ft	80	3500	N	G13	230°	50k	1800	164	120-277	Y	Coming Soon	24
T8-11-48G-840-EXT							4000										
T8-11-48G-850-EXT							5000										
T8 - 3FT GLASS - COMING IN SEPTEMBER																	
NEW T8-11-36G-835-EXT	T8	11	13	25	3ft	80	3500	N	G13	230°	50k	1800	164	120-277	Y	-	24
T8-11-36G-840-EXT							4000									-	
T8-11-36G-850-EXT							5000									-	
T8 - 2FT GLASS																	
NEW T8-7.5-24G-835-EXT	T8	7.5	9	17	2ft	80	3500	N	G13	230°	50k	1200	133	120-277	Y	Coming Soon	24
T8-7.5-24G-840-EXT							4000										
T8-7.5-24G-850-EXT							5000										

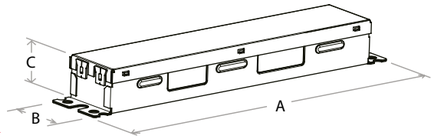
5yr warranty

RoHS Compliant

Driver

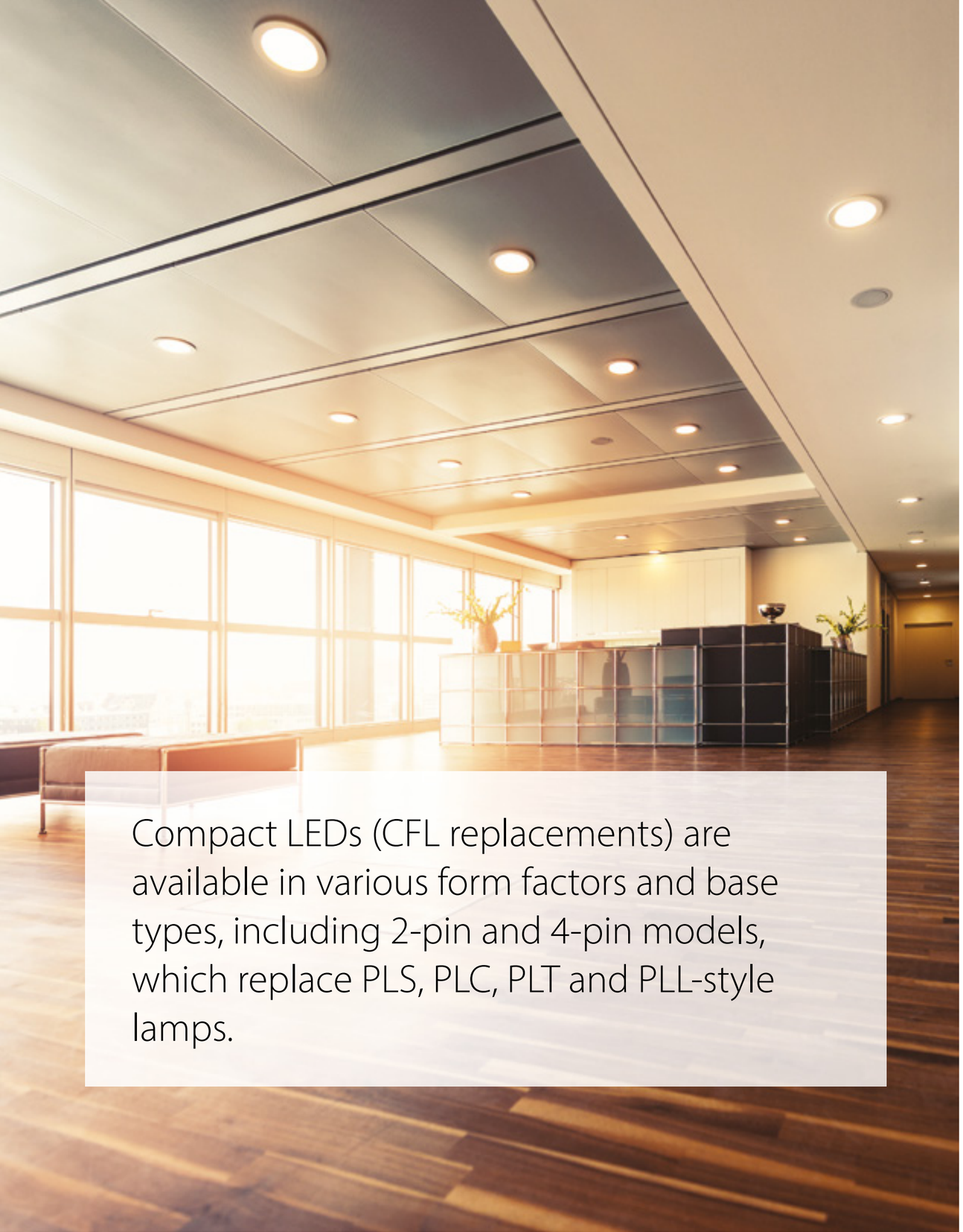
	RAB Catalog #	Description	Case Qty
DRIVERS			
NEW	DRI-24T8-2L-DIM	24" Lamp driver suitable for 2 tubes	6
	DRI-36/48T8-2L-DIM	36" & 48" Lamp driver suitable for 2 tubes	6
NEW	DRI-24T8-4L-DIM	24" Lamp driver suitable for 4 tubes COMING IN SEPTEMBER	6
	DRI-36/48T8-4L-DIM	36" & 48" Lamp driver suitable for 4 tubes	6

5yr warranty



DIMENSIONS	A	B	C
2 Lamps	9 ½	1 ⅜	1 ⅛
4 Lamps	9 ½	1 ¾	1 ¼

Measurements in inches



Compact LEDs (CFL replacements) are available in various form factors and base types, including 2-pin and 4-pin models, which replace PLS, PLC, PLT and PLL-style lamps.

COMPACTS

Ballast Compatible
Hybrid
Ballast Bypass

COMPACTS | Ballast Compatible

Simple replacements for compact fluorescent 4-pin lamps with a G24q and GX24q base.

No changes to the existing ballast wiring needed.

Applications

- Commercial/Residential
- Education
- Healthcare
- Hospitality
- Property Management
- Retail

Key Features

BALLAST COMPATIBLE
Uses existing ballast.

INSTANT ON
No warmup time required, full brightness instantly.

HIGH EFFICACY
Provides same output as fluorescent but uses far less energy.

50,000-HOUR LIFESPAN
Lasts 2-3x longer than conventional lamps.

CONTAINS NO MERCURY
Environmentally friendly vs fluorescent technologies.

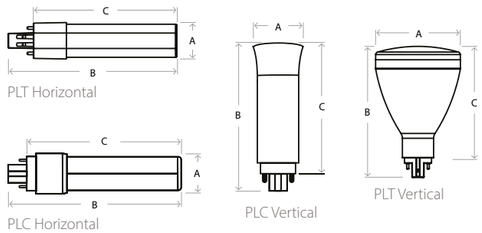
G24q
Base

Ballast Compatible

BALLAST COMPATIBLE

Higher Lumen Output NEW

PLT Replacements



DIMENSIONS	A	B	C
PLC-H	1 ⅛	6 ⅝	6
PLC-V	1 ⅞	4 ⅝	4
PLT-H	1 ⅝	6 ⅜	5 ¾
PLT-V	3 ¾	5 ¾	5 ⅛

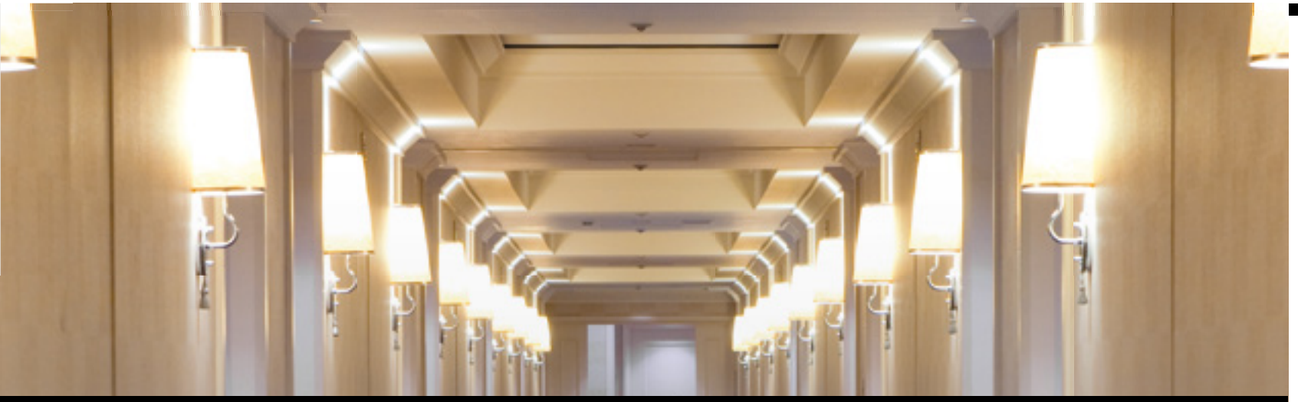
Measurements in inches

50,000-Hour Lifespan

	RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Orientation	CRI (80+)	Color Temp.	Base	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	DLC ID	Qty	Case
PLC															
	PLC-9-H-827-DIR	PLC	9	26	Horiz.	82	2700	G24q	50k	900	100	Ballast Compatible	PBEJNCH3	12	5yr
	PLC-9-H-830-DIR						3000			950	106		PHD4PX3H		
	PLC-9-H-835-DIR						3500			950	106		PMWLLO77		
	PLC-9-H-840-DIR						4000			1000	111		PZWJK24U		
	PLC-9-H-850-DIR						5000			1000	111		P5UOQJ1M		
	PLC-9-V-827-DIR	PLC	9	26	Vert.	82	2700	G24q	50k	900	100	Ballast Compatible	PLJPL7JBU8JU	12	
	PLC-9-V-830-DIR						3000			950	106		PLZL4JVYQPK8		
	PLC-9-V-835-DIR						3500			950	106		PL40CEFEFYJO		
	PLC-9-V-840-DIR						4000			1000	111		PLUMZOCT7NLW		
	PLC-9-V-850-DIR						5000			1000	111		PLXB2K0AYNNI		
PLT															
NEW	PLT-16-H-830-DIR	PLT	16	42	Horiz.	82	3000	G24q	50k	1750	110	Ballast Compatible	PHDI83P2	12	5yr
	PLT-16-H-835-DIR						3500				110		P2XF5C28		
	PLT-16-H-840-DIR						4000			1850	115		PSJVH7R0		
	PLT-16-H-850-DIR						5000				115		PHRMGPTT		
NEW	PLT-16-V-830-DIR	PLT	16	42	Vert.	82	3000	G24q	50k	1750	110	Ballast Compatible	P71KQ0T5	12	
	PLT-16-V-835-DIR						3500				110		P8GIQ8BS		
	PLT-16-V-840-DIR						4000			1850	115		PJY4HWK1		
	PLT-16-V-850-DIR						5000				115		PEC7VHPI		

RoHS Compliant

COMPACTS | Hybrid and Ballast Bypass



Simple replacements for Compact Fluorescent lamps.

Includes GX23, G24d/G24q and 2G11 base types. Simply bypass the ballast and install directly to line voltage.

Applications

- Commercial/Residential
- Education
- Healthcare
- Hospitality
- Property Management
- Retail

Key Features

BALLAST BYPASS
Reduces maintenance costs.

HYBRID
Works with or without ballast.

INSTANT ON
No warmup time required, full brightness instantly.

HIGH EFFICACY
Provides same output as fluorescent but uses far less energy.

50,000-HOUR LIFESPAN
Lasts 2-3x longer than conventional lamps.

CONTAINS NO MERCURY
Environmentally friendly vs fluorescent technologies.

GX23 Base

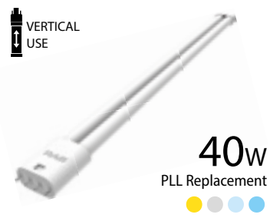
G24d Base

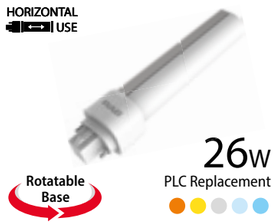
2G11 Base

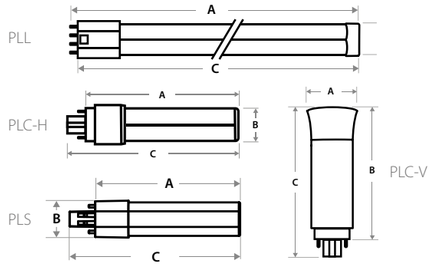
Hybrid & Ballast Bypass

BALLAST | BYPASS + COMPATIBLE

BALLAST | BYPASS







DIMENSIONS	A	B	C
PLS	1 ¼	6	5 ⅛
PLL	1 ½	22 ⅜	22 ⅛
PLC-H	1 ⅛	6 ⅝	6
PLC-V	1 ⅞	4 ⅝	4

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Orientation	CRI (80+)	Color Temp.	Base	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	DLC ID	Case (Qty)
PLS HYBRID													
PLS-5.5-H-827-HYB	PLS	5.5	13	Horiz.	82	2700	GX23	50k	550	100	Ballast Depend or 120-277	No Current DLC Category	25
PLS-5.5-H-830-HYB						3000							
PLS-5.5-H-835-HYB						3500							
PLS-5.5-H-840-HYB						4000							
PLS-5.5-H-850-HYB						5000							
PLC BALLAST BYPASS													
PLC-9-H-827-BYP	PLC	9	26	Horiz.	82	2700	G24d	50k	950	106	120-277	No Current DLC Category	12
PLC-9-H-830-BYP						3000							
PLC-9-H-835-BYP						3500							
PLC-9-H-840-BYP						4000			1000	111			
PLC-9-H-850-BYP						5000							
PLC-9-V-827-BYP	PLC	9	26	Vert.	82	2700	G24d	50k	950	106	120-277	No Current DLC Category	12
PLC-9-V-830-BYP						3000							
PLC-9-V-835-BYP						3500							
PLC-9-V-840-BYP						4000			1000	111			
PLC-9-V-850-BYP						5000							
PLL BALLAST BYPASS													
PLL-17-830-BYP	PLL	17	40	Horiz.	82	3000	2G11	50k	2100	124	120-277	PROP5ST1	25
PLL-17-835-BYP						3500						PSNCMEPC	
PLL-17-840-BYP						4000			2200	129		PJMAWKQ7	
PLL-17-850-BYP						5000						PQWNE0TM	

NEW

5yr Warranty

RoHS Compliant

These IP65 lamps serve as replacements for conventional metal halide or high-pressure sodium lamps, and are meant to bypass the ballast in existing fixtures, avoiding maintenance and replacement costs when ballasts fail. They are suitable for use in fully enclosed fixtures.

HID
REPLACEMENTS

Post Tops
High Bays
Wall Packs
Shoeboxes
High-Output PARs
Omnidirectional
Accessories

HID | Post Tops

Replace 50 - 500W metal halide or high-pressure sodium for post top, low bay, bollard and high bay applications.

Available in both Medium (E26) and Mogul (EX39) base, in a variety of different color temperatures.
Compact designs allow for use in most fixtures.

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

COMPACT DESIGN
Allows the lamp to fit in most fixtures.

INSTALLATION ORIENTATION
Lamps can be installed base up, down or horizontal.

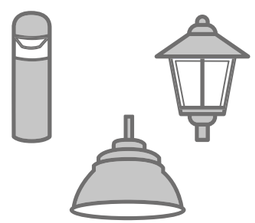
HEAT DISSIPATION
Passive Thermal Technology extends lifespan.

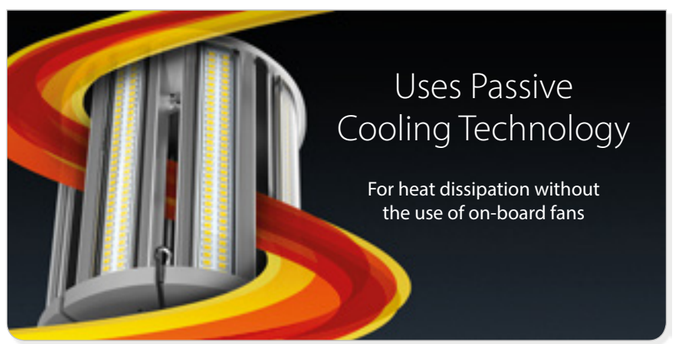
WATER & DUST RESISTANT
Ideal for outdoor fixtures.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

Omnidirectional
Light output

Applications





Uses Passive Cooling Technology

For heat dissipation without the use of on-board fans

EX39 Base

BALLAST BYPASS

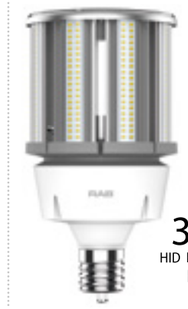
New Compact design
Includes sensor port

600W
HID Replacement
EX39 Base

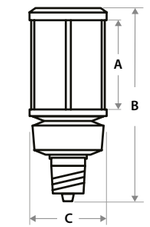
G2 New compact design
Includes sensor port

400W
HID Replacement
EX39 Base

G2 New compact design
Includes sensor port

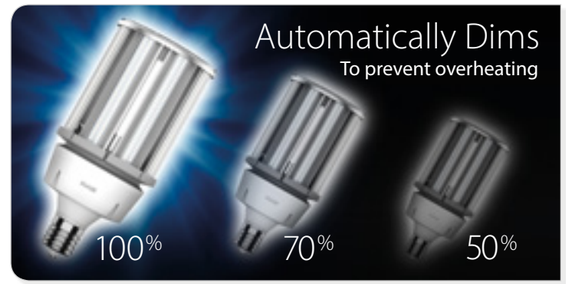


320W
HID Replacement
EX39 Base



DIMENSIONS	A	B	C
600W	5 ¾	11	5 ⅛
400W - G2	4 ⅞	10 ¼	5 ⅛
320W - G2	4 ⅜	9 ⅝	5 ⅛
400W	5 ⅞	12 ⅝	5 ⅛
320W	4 ⅝	11 ½	5 ⅛

Measurements in inches



400W EQ comparison displayed above. New form is 2" shorter.

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Base	CRI (80+)	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	Efficacy (lm/W)	DLC ID	Case (Qty)
POST TOP - NEW & GENERATION 2												
NEW HID-120-EX39-840-BYP-PT	Post Top	120	600	EX39	80	4000	50k	100-277	18000	150	PLSTU1M72Z3Z	6
HID-120-EX39-850-BYP-PT						5000					PLU4ULZ0J905	
HID-100-EX39-840-BYP-PT-G2	Post Top	100	400	EX39	80	4000	50k	100-277	15000	150	PLETG8M9QCOD	6
HID-100-EX39-850-BYP-PT-G2						5000					PL5O5FOXOW7Q	
HID-80-EX39-840-BYP-PT-G2	Post Top	80	320	EX39	80	4000	50k	100-277	12000	150	PLZ1631OLL04	6
HID-80-EX39-850-BYP-PT-G2						5000					PL4A1Y8QW89L	
POST TOP												
HID-100-EX39-830-BYP-PT	Post Top	100	400	EX39	80	3000	50k	100-277	13000	130	P2M84GNF	6
HID-100-EX39-840-BYP-PT						4000			13500	135	P73BCGO4	
HID-100-EX39-850-BYP-PT						5000			13500	135	P21FOBHZ	
HID-80-EX39-830-BYP-PT	Post Top	80	320	EX39	80	3000	50k	100-277	10400	130	PUWK8Z05	6
HID-80-EX39-840-BYP-PT						4000			10800	135	P0I3AK32	
HID-80-EX39-850-BYP-PT						5000			10800	135	PUGREJKT	

5 yr WARRANTY

UL LISTED · UL CLASSIFIED · FC · RoHS Compliant

HID | Post Tops

EX39 & E26 Base

BALLAST BYPASS

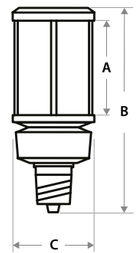
250W
HID Replacement
EX39 Base

200W
HID Replacement
EX39 Base

175W
HID Replacement
EX39 Base

150W
HID Replacement
EX39 Base

125W
HID Replacement
EX39 Base



DIMENSIONS	A	B	C
250W	5 ¾	10 ¼	3 ⅜
200W	5 ⅛	9 ½	3 ⅜
175W	5 ⅛	9 ½	3 ⅜
150W	3 ⅞	8 ⅜	3 ⅜
125W	3 ⅜	7 ¼	2 ⅜

Measurements in inches

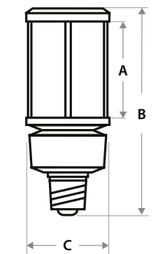
175W
HID Replacement
E26 Base

150W
HID Replacement
E26 Base

125W
HID Replacement
E26 Base

75W
HID Replacement
E26 Base

50W
HID Replacement
E26 Base



DIMENSIONS	A	B	C
175W	5 ⅛	9 ⅛	3 ⅜
150W	3 ⅞	7 ¾	3 ⅜
125W	3 ⅜	6 ½	2 ⅜
75W	2 ⅜	5 ¾	2 ⅜
50W	1 ⅝	4 ⅞	2 ⅜

Measurements in inches

50,000-Hour Lifespan

POST TOP - EX39 BASE

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	lm/W	DLC ID	Qty
HID-63-EX39-830-BYP-PT	Post Top	63	250	EX39	80	3000	50k	100-277	8800	140	PCKJXW2B	12
HID-63-EX39-840-BYP-PT						4000			9500	151	PPW890PY	
HID-63-EX39-850-BYP-PT						5000			9500	151	PUX17AKG	
HID-54-EX39-830-BYP-PT	Post Top	54	200	EX39	80	3000	50k	100-277	7600	141	PZTDQHY1	12
HID-54-EX39-840-BYP-PT						4000			8100	150	PQ3P3IVO	
HID-54-EX39-850-BYP-PT						5000			8100	150	PVW3QUIF	
HID-45-EX39-830-BYP-PT	Post Top	45	175	EX39	80	3000	50k	100-277	6300	140	POVLXLUX	12
HID-45-EX39-840-BYP-PT						4000			6800	151	P67182DU	
HID-45-EX39-850-BYP-PT						5000			6800	151	P7N4VHX3	
HID-36-EX39-830-BYP-PT	Post Top	36	150	EX39	80	3000	50k	100-277	5000	139	PMQU5SR0	12
HID-36-EX39-840-BYP-PT						4000			5400	150	P6EJH25Y	
HID-36-EX39-850-BYP-PT						5000			5400	150	PV8KKCIM	
HID-27-EX39-830-BYP-PT	Post Top	27	125	EX39	80	3000	50k	100-277	3650	135	P0W6OO76	12
HID-27-EX39-840-BYP-PT						4000			3900	144	P6TRL6O6	
HID-27-EX39-850-BYP-PT						5000			3900	144	P7K0N90Q	

5yr WARRANTY

UL LISTED · UL CLASSIFIED · FC · RoHS Compliant

50,000-Hour Lifespan

POST TOP - E26 BASE

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	lm/W	Qty
HID-45-E26-830-BYP-PT	Post Top	45	175	E26	80	3000	50k	100-277	6300	140	6
HID-45-E26-840-BYP-PT						4000			6800	151	
HID-45-E26-850-BYP-PT						5000			6800	151	
HID-36-E26-830-BYP-PT	Post Top	36	150	E26	80	3000	50k	100-277	5000	139	6
HID-36-E26-840-BYP-PT						4000			5400	150	
HID-36-E26-850-BYP-PT						5000			5400	150	
HID-27-E26-830-BYP-PT	Post Top	27	125	E26	80	3000	50k	100-277	3650	135	12
HID-27-E26-840-BYP-PT						4000			3900	144	
HID-27-E26-850-BYP-PT						5000			3900	144	
HID-18-E26-830-BYP-PT	Post Top	18	75	E26	80	3000	50k	100-277	2450	1 36	12
HID-18-E26-840-BYP-PT						4000			2600	144	
HID-18-E26-850-BYP-PT						5000			2600	144	
HID-12-E26-830-BYP-PT	Post Top	12	50	E26	80	3000	50k	100-277	1650	138	12
HID-12-E26-840-BYP-PT						4000			1750	146	
HID-12-E26-850-BYP-PT						5000			1750	146	

5yr WARRANTY

UL LISTED · UL CLASSIFIED · FC · RoHS Compliant

HID | High Bays

Replace 200 - 400W metal halide or high-pressure sodium lamps for high bay applications.

These lamps have a built-in 4kV surge protection and an integrated heat sink that dissipates heat quickly without the need for an on-board fan. They also provide 10% uplighting which eliminates dark areas on the ceiling known as the "cave effect".

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

50,000-HOUR LIFESPAN
Lasts 2.5x the life of standard HID lamps.

ENERGY SAVINGS
Uses 76% less energy than traditional lamps.

HEAT DISSIPATION
Thermal technology extends LED lifespan.

WATER & DUST RESISTANT
Ideal for outdoor fixtures.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

Applications

EX39 Base

BALLAST BYPASS

400W
HID Replacement

G2 Updated design - new longer neck
Includes sensor port

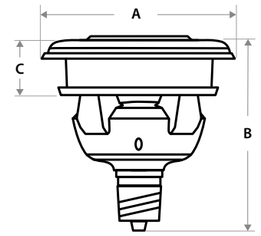
EX39 BASE

250W
HID Replacement

G2 Updated design
Includes sensor port

200W
HID Replacement

G2 Updated design
Includes sensor port



DIMENSIONS	A	B	C
400W - G2	9	2 3/8	7 1/2
250W - G2	7 7/8	2 3/8	6 7/8
200W - G2	6 7/8	2	6 5/8
400W	9 1/8	2 3/8	7 1/2
250W	7 7/8	2 3/8	6 7/8
200W	6 7/8	2	6 5/8

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Orientation	Base	CRI	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	Efficacy (lm/W)	DLC ID	Case Qty
HIGH BAY - GENERATION 2													
HID-115-V-EX39-840-BYP-HB-G2	High Bay	115	400	Vert.	EX39	80	4000	50k	100-277	15800	137	PFD4R41R	4
HID-115-V-EX39-850-BYP-HB-G2							5000					PKZF23AH	
HID-80-V-EX39-840-BYP-HB-G2	High Bay	80	250	Vert.	EX39	80	4000	50k	100-277	10800	135	PN0CMBXP	4
HID-80-V-EX39-850-BYP-HB-G2							5000					PD2VPIFE	
HID-60-V-EX39-840-BYP-HB-G2	High Bay	60	200	Vert.	EX39	80	4000	50k	100-277	8100	135	PQ6WX73R	4
HID-60-V-EX39-850-BYP-HB-G2							5000					PHU8LDEJ	
HIGH BAY													
HID-115-V-EX39-840-BYP-HB	High Bay	115	400	Vert.	EX39	80	4000	50k	100-277	15800	137	P6RBEHCE	4
HID-115-V-EX39-850-BYP-HB							5000					PWMUSA2N	
HID-80-V-EX39-840-BYP-HB	High Bay	80	250	Vert.	EX39	80	4000	50k	100-277	10800	135	PV6TOOD3	4
HID-80-V-EX39-850-BYP-HB							5000					PLMWE20R	
HID-60-V-EX39-840-BYP-HB	High Bay	60	200	Vert.	EX39	80	4000	50k	100-277	8100	135	PVL92CST	4
HID-60-V-EX39-850-BYP-HB							5000					P2ZNEJRB	

5yr warranty

RoHS Compliant

Replace up to 600W metal halide or high-pressure sodium lamps for high bay applications.

These lamps have a built-in 4kV surge protection and an integrated heat sink that dissipates heat quickly without the need for an on-board fan.

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

50,000-HOUR LIFESPAN
Lasts 2.5x the life of standard HID lamps.

ENERGY SAVINGS
Uses 76% less energy than traditional lamps.

HEAT DISSIPATION
Thermal technology extends LED lifespan.

LIGHTWEIGHT
Sleek design keeps weight low.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

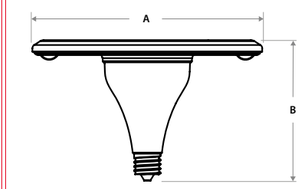
EX39 Base

BALLAST BYPASS

400/600w
HID Replacement

EX39
BASE

Slim profile
Lightweight design



DIMENSIONS	A	B
600W	13 ⅜	8 ¼

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ.	Orientation	Base	CRI	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	Efficacy (lm/W)	DLC ID	Case (Qty)
HIGH BAY													
NEW HID-135-V-EX39-840-BYP-HB	High Bay	135	400/600	Vert.	EX39	80	4000	50k	120-277	20000	148	PTAKVRK6	2
HID-135-V-EX39-850-BYP-HB	High Bay	135	400/600	Vert.	EX39	80	5000	50k	120-277	20000	148	P9Y4XR8E	2

5yr Warranty

RoHS Compliant

HID | Wall Packs

Replace metal halide or high-pressure sodium lamps for wall packs, area lights, and cobra heads.

Wall pack lamps are designed with LEDs solely on one side, so that light output is concentrated and none is lost in backlight. They also have a 350° rotatable base which allows you to direct the light exactly where it's needed.

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

COMPACT DESIGN
Allows the lamp to fit in most fixtures.

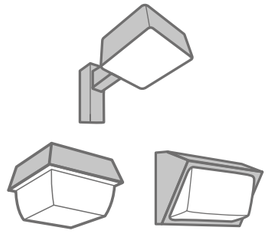
INSTALLATION ORIENTATION
Lamps can be installed base up, down or horizontal.

HEAT DISSIPATION
Thermal technology extends LED lifespan.

WATER & DUST RESISTANT
Ideal for outdoor fixtures.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.

Applications



EX39 Base

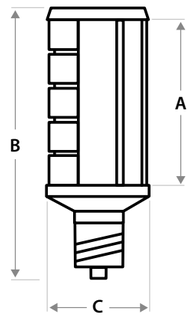
BALLAST BYPASS

250W
HID Replacement

200W
HID Replacement

150W
HID Replacement

100W
HID Replacement



DIMENSIONS	A	B	C
250W	7 5/8	10 3/4	3 5/8
200W	5 3/8	7 5/8	3 5/8
150W	4 5/8	6 7/8	3 5/8
100W	3	5 1/4	3 5/8

Measurements in inches

50,000-Hour Lifespan

WALL PACK - EX39 BASE

	RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Orientation	Base	CRI	Color Temp.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	DLC ID	Case Qty
	HID-60-H-EX39-840-BYP-WP	Wall Pack	60	250	Horiz.	EX39	80	4000	50k	9300	155	100-277	PROP5ST1	12
	HID-60-H-EX39-850-BYP-WP							5000					PSNCMEPC	
	HID-40-H-EX39-840-BYP-WP	Wall Pack	40	200	Horiz.	EX39	80	4000	50k	6200	155	100-277	PJMAWKQ7	12
	HID-40-H-EX39-850-BYP-WP							5000					PQWNE0TM	
NEW	HID-30-H-EX39-830-BYP-WP	Wall Pack	30	150	Horiz.	EX39	80	3000	50k	4500	150	100-277	PRVZVMYA	12
	HID-30-H-EX39-840-BYP-WP							4000		4650	155		P67B7Z1Q	
	HID-30-H-EX39-850-BYP-WP							5000					PDA0B4IG	
NEW	HID-20-H-EX39-830-BYP-WP	Wall Pack	20	100	Horiz.	EX39	80	3000	50k	3000	150	100-277	PK7RXF7J	12
	HID-20-H-EX39-840-BYP-WP							4000		3100	155		PQ2YOBSJ	
	HID-20-H-EX39-850-BYP-WP							5000					P74HO57O	

5yr WARRANTY

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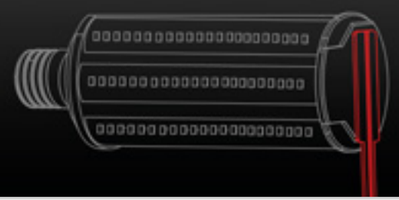
E26 Base

BALLAST BYPASS

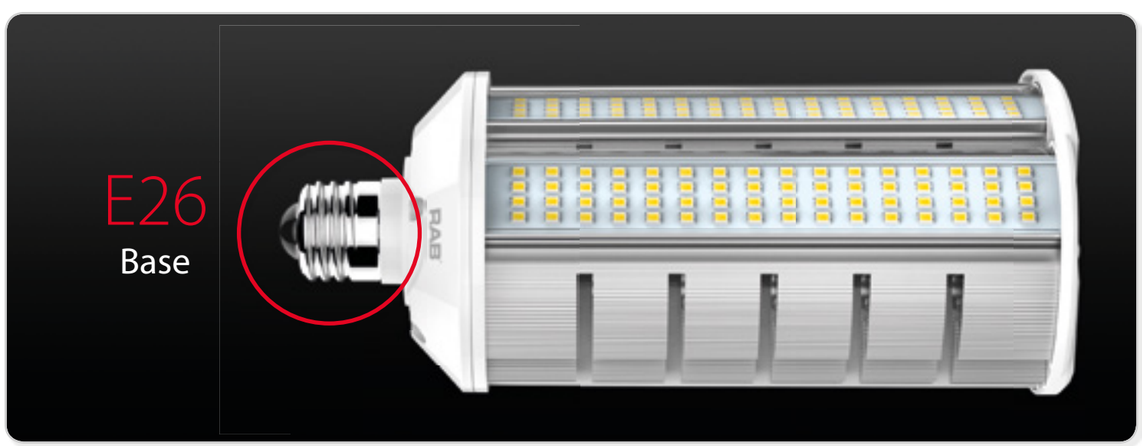
Support Stand
Included for extra stability



New Smaller Form Factors Available
For even more versatility

Uses Passive Cooling Technology

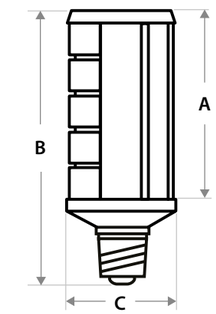
For heat dissipation without the use of on-board fans



200W
HID Replacement

150W
HID Replacement

100W
HID Replacement



DIMENSIONS	A	B	C
200W	5 3/8	7 5/8	3 5/8
150W	4 5/8	6 7/8	3 5/8
100W	3	5 1/4	3 5/8

Measurements in inches

50,000-Hour Lifespan

WALL PACK

5yr WARRANTY

	RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ (=)	Base	CRI (80+)	Color Temp.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Input Voltage	Case (Qty)
NEW	HID-40-H-E26-840-BYP-WP	Wall Pack	40	200	E26	80	4000	50k	6200	155	100-277	12
	HID-40-H-E26-850-BYP-WP						5000		6200	155		
NEW	HID-30-H-E26-830-BYP-WP	Wall Pack	30	150	E26	80	3000	50k	4500	150	100-277	12
	HID-30-H-E26-840-BYP-WP						4000		4650	155		
	HID-30-H-E26-850-BYP-WP						5000		4650	155		
NEW	HID-20-H-E26-830-BYP-WP	Wall Pack	20	100	E26	80	3000	50k	3000	150	100-277	12
	HID-20-H-E26-840-BYP-WP						4000		3100	155		
	HID-20-H-E26-850-BYP-WP						5000		3100	155		

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HID | Shoeboxes

Replace 250 - 400W metal halide or high-pressure sodium lamps for shoebox area lights.

The perfect solution for replacing outdated parking lot lighting or area lights, these lamps significantly reduce maintenance costs. All are designed with a 350° rotatable base that puts light where you need it, and an IP65 rating protects against ingress of water and dust.

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

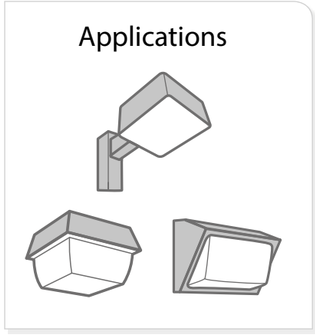
COMPACT DESIGN
Allows the lamp to fit in most fixtures.

EXPANDABLE FLAPS
Provides the light where you need it.

HEAT DISSIPATION
Thermal technology extends LED lifespan.

WATER & DUST RESISTANT
Ideal for outdoor fixtures.

ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.



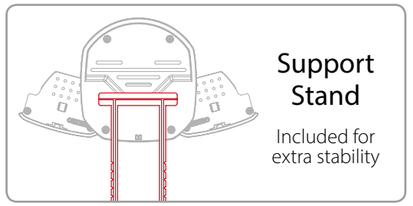
EX39 Base

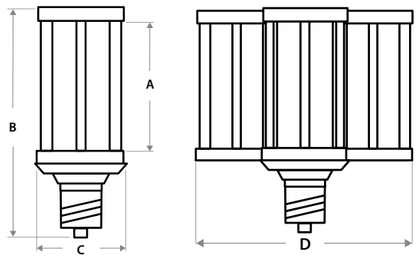
BALLAST BYPASS

400W
HID Replacement

320/250W
HID Replacement

EX39
BASE





DIMENSIONS	A	B	C	D
400W	7 ¼	11 ⅛	5	9
320W	4 ⅞	8 ¾	5	9

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ.	Orientation	Base	CRI (80+)	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	Efficacy (lm/W)	DLC ID	Case (Qty)
SHOEBOX													
HID-110-H-EX39-840-BYP-SB	Shoebox	110	400	Horiz.	EX39	80	4000	50k	100-277	13800	125	PROP5ST1	6
HID-110-H-EX39-850-BYP-SB	Shoebox	110	400	Horiz.	EX39	80	5000	50k	100-277	13800	125	PSNCMEPC	6
HID-80-H-EX39-840-BYP-SB	Shoebox	80	320/250	Horiz.	EX39	80	4000	50k	100-277	10000	125	PJMAWKQ7	6
HID-80-H-EX39-850-BYP-SB	Shoebox	80	320/250	Horiz.	EX39	80	5000	50k	100-277	10000	125	PQWNE0TM	6

5yr warranty

UL LISTED · UL CLASSIFIED · FC · RoHS Compliant

High-Output PAR replacements for halogen and metal halide

Exceptional 90CRI color rendering and compatible on universal voltage

Applications

- Commercial
- Hospitality
- Retail
- Residential
- Landscape

Key Features

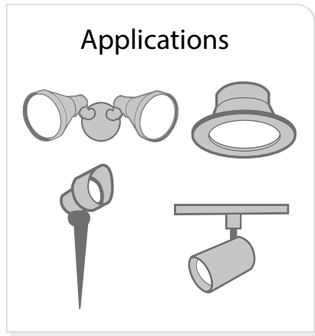
ENERGY SAVINGS
Save up to 85% on energy.

90+ CRI LIGHT — 90 CRI
Produces rich and vibrant colors.

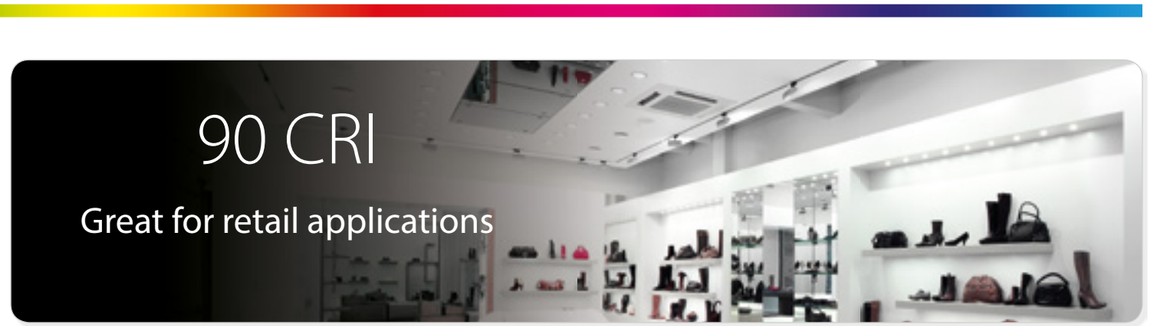
DAMP RATED
Suitable for use outdoors.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.



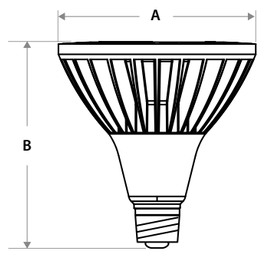
BALLAST BYPASS



BEAM ANGLE 25° 40°

250W Halogen
70W Metal Halide

PAR38 Replacement



DIMENSIONS	A	B
250W	4 ¾	5 ⅛

Measurements in inches

40,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	CRI	Color Temp.	Beam Angle	Base	Lifespan (hrs)	Lumens	Efficacy	Input Voltage	Energy Star	T20	Case
PAR38														
PAR38-26-930-25D-ND	PAR38	26	250	90	3000	25°	E26	40k	2400	92	120-277	●	●	6
PAR38-26-940-25D-ND NEW	PAR38	26	250	90	4000	25°	E26	40k	2400	92	120-277	●	●	6
PAR38-26-930-40D-ND	PAR38	26	250	90	3000	40°	E26	40k	2400	92	120-277	●	●	6
PAR38-26-940-40D-ND NEW	PAR38	26	250	90	4000	40°	E26	40k	2400	92	120-277	●	●	6

4yr WARRANTY

UL LISTED FC RoHS Compliant

Omnidirectional

BALLAST BYPASS

Omnidirectional HID lamp replacements from 70W up to 150W.

Universal voltage and compact design allows for installation across many different applications.

Applications

- Commercial
- Industrial
- Manufacturing
- Municipal
- Parking

Key Features

BALLAST BYPASS
Reduces maintenance costs.

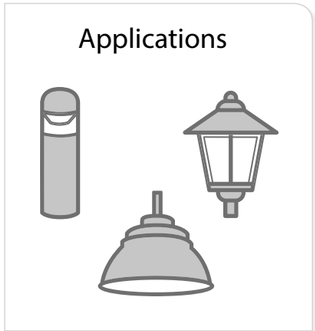
COMPACT DESIGN
Allows the lamp to fit in most fixtures.

INSTALLATION ORIENTATION
Lamps can be installed base up, down or horizontal.

HEAT DISSIPATION
Aluminum diecast heatsink allows for superior thermal protection.

DAMP RATED
Suitable for damp locations.

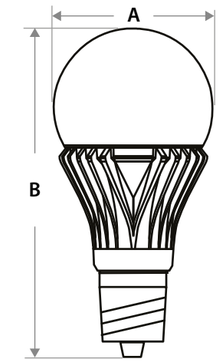
ENCLOSED FIXTURE RATED
May be used in enclosed and open fixtures.



70-100W
HID Replacement

150W
HID Replacement

120-277V
INPUT VOLTAGE



DIMENSIONS	A	B
A23 - 70-100W	3 ¼	6 ¾
PS25 - 150W	3 ¾	7 ¼

Measurements in inches

50,000-Hour Lifespan

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Lifespan (hrs)	Input Voltage	Lumens	Efficacy	DLC ID	Case Qty
A23													
NEW A23-24-EX39-830-ND 120-277V	A23	24	70-100	EX39	80	3000	50k	120-277	3050	127	Coming Soon		12
A23-24-EX39-840-ND 120-277V						4000							
A23-24-EX39-850-ND 120-277V						5000							
PS25													
NEW PS25-32-EX39-830-ND 120-277V	PS25	32	150	EX39	80	3000	50k	120-277	4100	128	Coming Soon		12
PS25-32-EX39-840-ND 120-277V						4000							
PS25-32-EX39-850-ND 120-277V						5000							

5yr WARRANTY

UL LISTED · UL CLASSIFIED · FC · RoHS Compliant

NEW!

Sensor Port Integration with Select HID Lamps

Get instant lamp level controls for even more efficiency.

2 Options Available:

MW - Microwave

PIR - Passive Infrared

Brightness	Hold Time
0%	30s
20%	60s
40%	5min
60%	10min

Step 1

Select the sensor of your choice.

Step 2

Set the hold time for how long you want the light to remain at full brightness after motion detected.

Step 3

Set the brightness desired for the lamp to dim down to after the specified hold time.

Step 4

Install the lamp and you're done! That simple!

Both Microwave Sensor and PIR Sensor have a **daylight photocell** on board giving the ability to harvest daylight for even more energy savings.

Use sensors with these lamps:

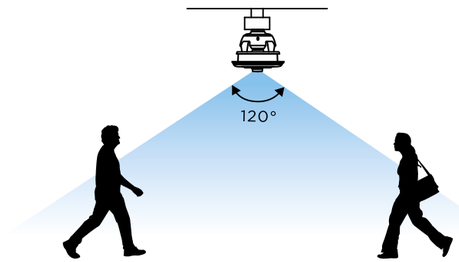
400W 250W 200W

High Bays

500W 400W 320W

Post Tops

SENSOR KEY FEATURES

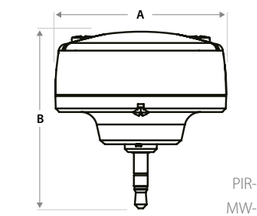


MOTION DETECTING
MW-S detects up to 10M (33ft)
PIR-S detects up to 6M (19.7ft)

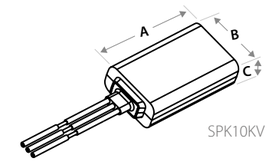
120° SENSING ANGLE
Wide angle allows for acurate sensing

STEP DIMMING
Four brightness settings available

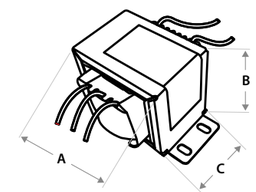
STEP HOLD TIME
Four time settings available



PIR-S
MW-S



SPK10KV



XFMR200

DIMENSIONS	A	B	C
PIR-S	1 ¾	2 ⅛	⅛
MW-S	1 ¾	1 ¾	⅛
SPK10KV	3 ⅞	1 ¾	⅞
XFMR200	3 ⅞	2 ⅜	1 ⅞

Measurements in inches

MICROWAVE SENSOR

INFRARED SENSOR

SURGE PROTECTOR

- Protects Against Surges According to IEEE C62.41.2
- Surge Location Rated Category C3
- 10KA and 10KV
- High Temperature/Flameproof Enclosure (194°F/90°C Max. Surface Rating)
- RoHS Compliant
- UL Recognized (UL1449)

STEP DOWN TRANSFORMER

- Non-Isolated Autotransformer
- Input Voltage 480 / 347v , Vrms, 60 Hz
- Full Load Output Voltage 250 Vrms, 60 Hz
- Maximum Output Power 200 W (VA)
- No Load Power Consumption < 8W
- Thermally Protected
- Sound Rated A
- Warranty: 5 Years

	RAB Catalog #		Case Qty
SENSORS			
NEW	PIR-S	Infrared Sensor	100
NEW	MW-S	Microwave Sensor	100
SURGE PROTECTOR			
	SP10KV	10kV Surge Protector	30
STEP DOWN TRANSFORMER			
NEW	XFMR200-480-277	Step Down Transformer	8

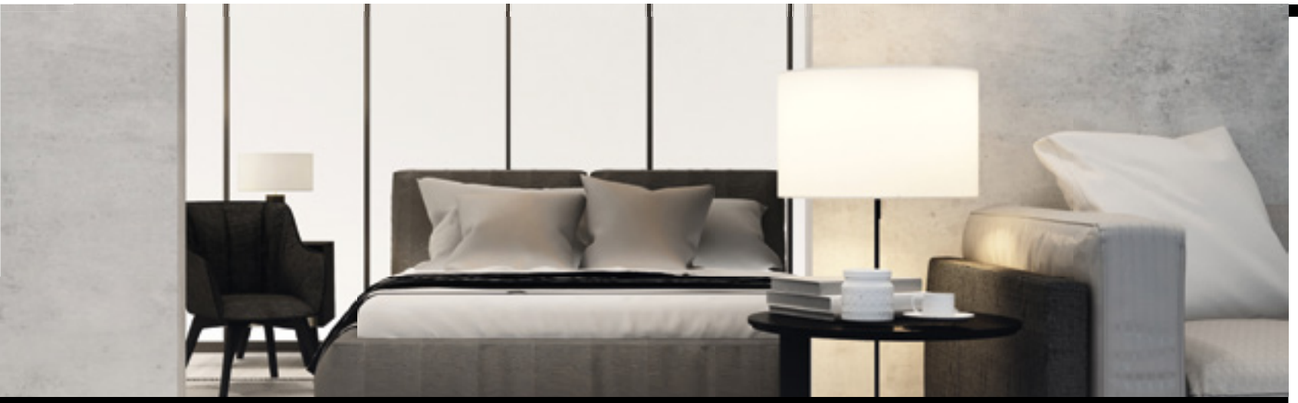
A-line bulbs replace conventional halogen and incandescent bulbs. RAB offers a variety of A-line bulbs for use in any commercial or residential application. These omnidirectional bulbs come in several wattages, CCTs, bases and lifespans.

A-LINE BULBS

Non-Dimmable
Dimmable
Premium Dimmable
Universal Voltage

A-LINE BULBS | Non-Dimmable

PROSERIES



Replace conventional halogen and incandescent bulbs.

Non-dimmable and dimmable available with a 15,000-Hour lifespan.
Produces 80 CRI, ideal for general lighting applications.

Applications

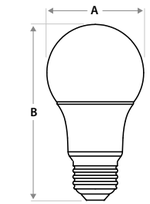
- Healthcare
- Hospitality
- Residential
- Restaurants
- Retail

40W
A19 Replacement

60W
A19 Replacement

75W
A19 Replacement

100W
A21 Replacement



DIMENSIONS	A	B
A19 - 40W	2 3/8	4 1/4
A19 - 60W	2 3/8	4 1/4
A19 - 75W	2 3/8	4 1/4
A21 - 100W	3	5 3/8

Measurements in inches

15,000-Hour Lifespan

Key Features

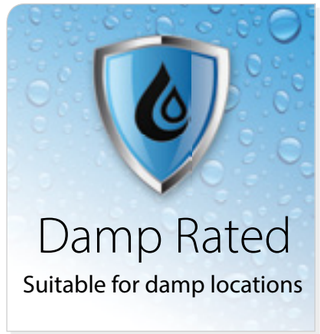
ENERGY SAVINGS
Save up to 85% on energy.

DAMP RATED
Suitable for damp locations.

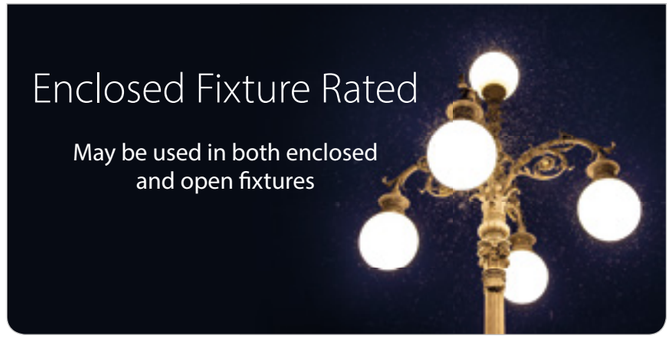
15,000-HOUR LIFESPAN
Last up to 13.7 years at 3 hours per day.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.



Applications



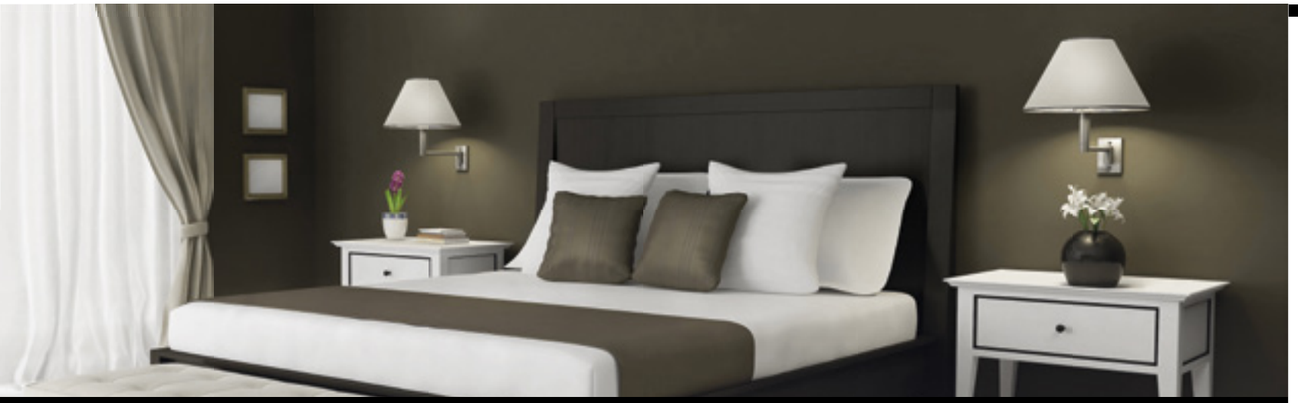
RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Base	CRI	Color Temp.	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Enclosed	Energy Star	Case Qty
A19													
A19-6-E26-827-ND	A19	6	40	E26	80	2700	230°	15k	480	80	•	•	12
A19-6-E26-830-ND						3000							
A19-6-E26-840-ND NEW						4000							
A19-9-E26-827-ND	A19	9.5	60	E26	80	2700	230°	15k	800	84	•	•	12
A19-9-E26-830-ND						3000							
A19-9-E26-840-ND NEW						4000							
A19-9-E26-850-ND						5000							
NEW A19-12-E26-827-ND	A19	12	75	E26	80	2700	230°	15k	1100	92	•	•	12
A19-12-E26-830-ND						3000							
A19-12-E26-840-ND						4000							
A19-12-E26-850-ND						5000							
A21													
NEW A21-16-E26-827-ND	A21	16	100	E26	80	2700	230°	15k	1600	100	•	•	12
A21-16-E26-830-ND						3000							
A21-16-E26-840-ND						4000							
A21-16-E26-850-ND						5000							

3yr warranty

UL LISTED · RoHS Compliant

A-LINE BULBS | Dimmable

PROSERIES



Replace conventional halogen and incandescent bulbs.

Non-dimmable and dimmable available with a 15,000-hour lifespan.
Produces 80 CRI, ideal for general lighting applications.

Applications

- Healthcare
- Hospitality
- Residential
- Restaurants
- Retail

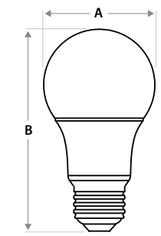
40W
A19 Replacement

75W
A19 Replacement

60W
A19 Replacement

100W
A19 Replacement

E26
BASE



DIMENSIONS	A	B
A19 - 40W	2 3/8	4 1/4
A19 - 60W	2 3/8	4 1/4
A19 - 75W	2 3/8	4 1/2
A19 - 100W	2 3/8	4 1/2

Measurements in inches

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

DAMP RATED
Suitable for damp locations.

15,000-HOUR LIFESPAN
Last up to 13.7 years at 3 hours per day.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.

120V Dimming
On most common dimmers[1]

Applications

Shatterproof
Plastic constructed bulbs ideal for rugged applications

1. Check dimmer compatibility list

15,000-Hour Lifespan

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ.	Base	CRI	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Enclosed	Energy Star	Case Qty
A19 - E26 BASE															
A19-5-E26-827-DIM	A19	5.7	40	E26	80	2700	Y	230°	15k	460	80		•	•	12
A19-5-E26-830-DIM						3000				460	80				
A19-5-E26-840-DIM						4000				480	84				
A19-5-E26-850-DIM						5000				480	84				
A19-10-E26-827-DIM	A19	10	60	E26	80	2700	Y	230°	15k	800	80		•	•	12
A19-10-E26-830-DIM						3000				800	80				
A19-10-E26-835-DIM NEW						3500				800	80				
A19-10-E26-840-DIM						4000				800	80				
A19-10-E26-850-DIM						5000				840	84				
NEW A19-13-E26-827-DIM	A19	13.5	75	E26	80	2700	Y	230°	15k	1100	82		•	•	12
A19-13-E26-830-DIM						3000				1100	82				
A19-13-E26-840-DIM						4000				1155	85				
A19-13-E26-850-DIM						5000				1155	85				
A19-15-E26-827-DIM	A19	15	100	E26	80	2700	Y	230°	15k	1600	95		•	•	12
A19-15-E26-830-DIM						3000				1600	95				
A19-15-E26-840-DIM						4000				1600	100				
A19-15-E26-850-DIM						5000				1680	100				

3yr WARRANTY

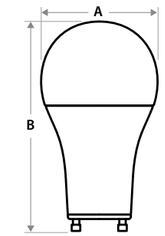
UL LISTED FC RoHS Compliant

60W
A19 Replacement

75W
A19 Replacement

100W
A19 Replacement

GU24
BASE



DIMENSIONS	A	B
A19 - 60W	2 3/8	4 3/8
A19 - 75W	2 3/8	4 3/8
A19 - 100W	2 3/8	4 3/8

Measurements in inches

15,000-Hour Lifespan

A19 - GU24 BASE

3yr WARRANTY

RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Enclosed	Energy Star	Case (Qty)
A19-9-GU24-830-DIM	A19	9	60	GU24	80	2700	Y	230°	15k		800	80	•	•	12
A19-9-GU24-827-DIM						3000					800	80			
A19-9-GU24-840-DIM						4000					840	80			
A19-9-GU24-850-DIM						5000					840	80			
A19-13-GU24-827-DIM	A19	13	75	GU24	80	2700	Y	230°	15k		1100	87		•	12
A19-13-GU24-830-DIM						3000					1100	87			
A19-13-GU24-840-DIM						4000					1155	87			
A19-13-GU24-850-DIM						5000					1155	87			
A19-16-GU24-830-DIM	A19	15.5	100	GU24	80	2700	Y	230°	15k		1600	93		•	12
A19-16-GU24-827-DIM						3000					1600	93			
A19-16-GU24-840-DIM						4000					1680	97			
A19-16-GU24-850-DIM						5000					1680	97			

UL LISTED FC RoHS Compliant

A-LINE BULBS | Dimmable

Replacements for conventional halogen and incandescent bulbs.

230° light distribution produces an omnidirectional light output. Dimmable LED with a 25,000-hour lifespan. 90 CRI produces rich and vibrant colors.

Applications

- Healthcare
- Hospitality
- Residential
- Restaurants
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

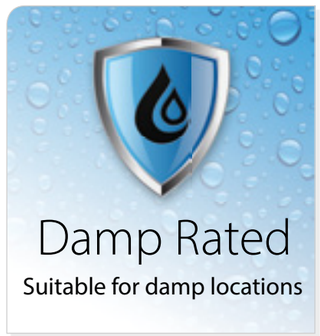
90+ CRI LIGHT — 90 CRI
Produces rich and vibrant colors.

DAMP RATED
Suitable for damp locations.

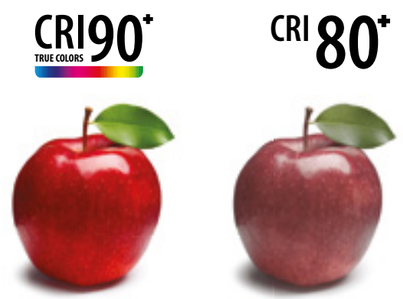
ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

DIMMABLE
Compatible with 120V dimming systems.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.



Applications



PREMIUM

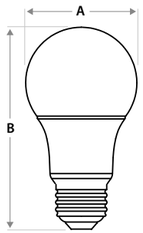
PRO *SERIES*

40W
A19 Replacement

60W
A19 Replacement

75W
A21 Replacement

100W
A21 Replacement



DIMENSIONS	A	B
A19 - 40W	2 3/8	4 1/4
A19 - 60W	2 3/8	4 1/4
A21 - 75W	3	5 3/8
A21 - 100W	3	5 3/8

Measurements in inches

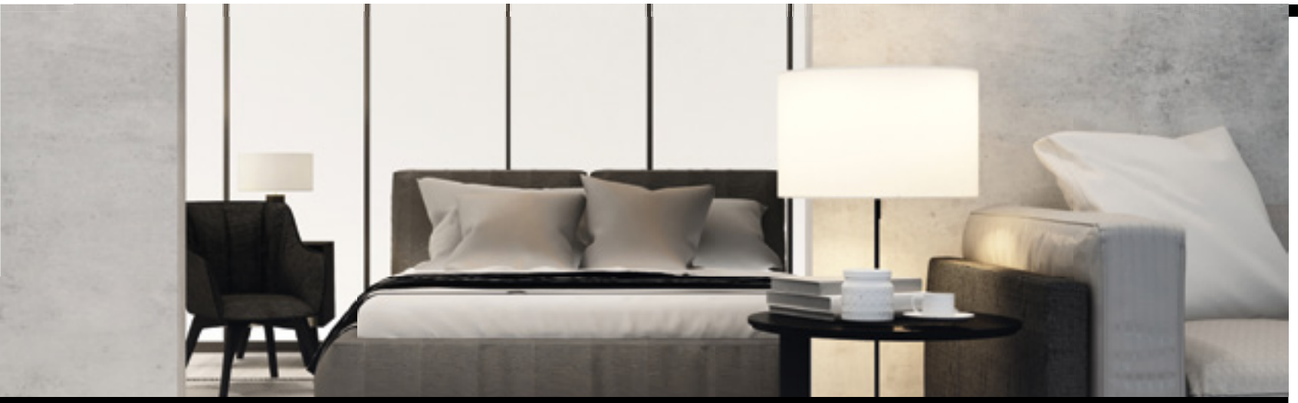
25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Enclosed	Energy Star	T20	JA8	Case Qty
A19																
A19-6-E26-927-DIM	A19	6	40	E26	90	2700	Y	230°	25k	500	80	•	•	•	•	12
A19-6-E26-930-DIM						3000										
A19-6-E26-950-DIM						5000										
A19-9-E26-927-DIM	A19	10	60	E26	90	2700	Y	230°	25k	800	84	•	•	•	•	12
A19-9-E26-930-DIM						3000									•	
A19-9-E26-940-DIM						4000										
A19-9-E26-950-DIM						5000										
A21																
A21-15-E26-930-DIM	A21	15	75	E26	90	3000	Y	230°	25k	1200	80	•	•	•	•	12
A21-15-E26-950-DIM						5000										
A21-17-E26-927-DIM	A21	17	100	E26	90	2700	Y	230°	25k	1600	94	•	•	•	•	12
A21-17-E26-930-DIM						3000									•	
A21-17-E26-940-DIM						4000										
A21-17-E26-950-DIM						5000										

4yr WARRANTY

UL LISTED · RoHS Compliant

A-LINE BULBS | Non-Dimmable



Replace 60W, 125W, 200W and 300W incandescent lamps operated on 120V or 277V.

These universal voltage bulbs have high lumen packages for industrial and commercial applications.

Applications

- Bollards
- Healthcare
- Hospitality
- Residential
- Restaurants
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

DAMP RATED
Suitable for damp locations.

25k, 40 & 50k-HOUR LIFESPAN
Long life product.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.

Universal Voltage

PRO SERIES

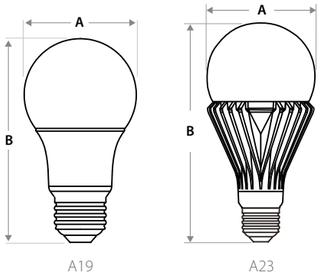
60W
A19 Replacement

200W
A23 Replacement

125W
A21 Replacement

300W
PS25 Replacement

120-277V
INPUT VOLTAGE



DIMENSIONS	A	B
A19 - 60W	2 3/8	4 1/8
A21 - 125W	2 5/8	5 1/4
A23 - 200W	3 1/4	6 5/8
PS25 - 300W	3 1/4	7 1/4

Measurements in inches

25k, 40k & 50k-Hour Lifespan

	RAB Catalog #	Shape	W	Lamp Power	Wattage EQ	Base	CRI 80+	Color Temp.	Light Dist.	Lifespan (hrs)	Lumens	lm/W	Efficacy	Input Voltage	Qty	Case
A19	A19-8.5-E26-827-ND 120-277V	A19	8.5	60W	E26	80	2700	230°	25k	800	94			120-277	12	3yr
	A19-8.5-E26-830-ND 120-277V						3000			800	94					
	A19-8.5-E26-840-ND 120-277V						4000			840	98					
	A19-8.5-E26-850-ND 120-277V						5000			840	98					
A21	A21-17-E26-830-ND 120-277V	A21	17	125W	E26	80	3000	230°	40k	2000	118			120-277	12	5yr
	A21-17-E26-840-ND 120-277V						4000			2050	121					
	A21-17-E26-850-ND 120-277V						5000			2050	121					
A23	A23-24-E26-830-ND 120-277V	A23	24	200W	E26	80	3000	230°	40k	3010	125			120-277	12	5yr
	A23-24-E26-840-ND 120-277V						4000			3050	127					
	A23-24-E26-850-ND 120-277V						5000			3050	127					
PS25	PS25-32-E26-830-ND 120-277V	PS25	32	300W	E26	80	3000	230°	50k	4000	125			120-277	12	5yr
	PS25-32-E26-840-ND 120-277V						4000			4100	128					
	PS25-32-E26-850-ND 120-277V						5000			4100	128					

NEW

UL LISTED · FC · RoHS Compliant

Reflectors replace incandescent and halogen R and BR reflector lamps. They have a wide 120° light distribution that's well suited for general lighting applications. Both 80 and 90 CRI models are available.

REFLECTORS

Dimmable
Premium Dimmable

Replacements for R and BR lamps with a wide light distribution.

Dimmable LED with a 25,000-hour lifespan. Premium models offer 90 CRI.

Applications

- Healthcare
- Hospitality
- Office
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

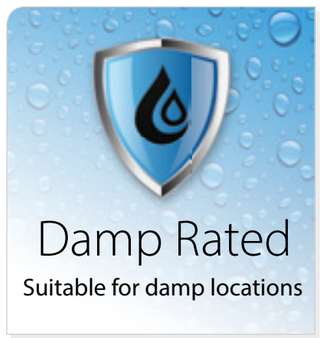
25,000-HOUR LIFESPAN
Long-life product.

DAMP RATED
Suitable for damp locations.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

DIMMABLE
Compatible with 120V dimming systems.

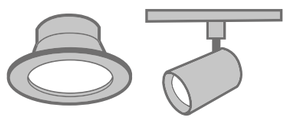
SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.



Damp Rated

Suitable for damp locations

Applications



Shatterproof

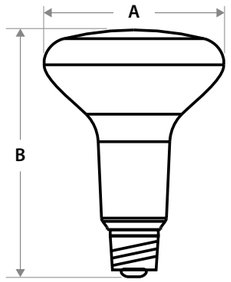
Plastic constructed bulbs ideal for rugged applications

65W
BR30 Replacement

50W
R20 Replacement

75W
BR40 Replacement

85W
BR40 Replacement



DIMENSIONS	A	B
R20 - 50W	2 ½	3 ¾
BR30 - 65W	3 ¾	5 ⅛
BR40 - 75W	5	6 ¼
BR40 - 85W	5	6 ¼

Measurements in inches

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Base	CRI	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Energy Star	Case Qty
R20													
R20-7-827-DIM	R20	7	50W	E26	80	2700	Y	110°	25k	525	75	•	10
R20-7-830-DIM						3000				525	75		
R20-7-840-DIM						4000				525	75		
R20-7-850-DIM						5000				525	75		
BR30													
BR30-9-827-DIM	BR30	9.5	65W	E26	80	2700	Y	110°	25k	680	72	•	6
BR30-9-830-DIM						3000				680	72		
BR30-9-840-DIM						4000				720	76		
BR30-9-850-DIM						5000				720	76		
BR40													
BR40-13-827-DIM	BR40	13	75W	E26	80	2700	Y	110°	25k	950	73	•	6
BR40-13-830-DIM						3000				950	73		
BR40-15-827-DIM	BR40	15	85W	E26	80	2700	Y	110°	25k	1100	73	•	6
BR40-15-830-DIM						3000				1100	73		
BR40-15-840-DIM						4000				1100	73		
BR40-15-850-DIM						5000				1100	73		

3 yr warranty

UL Listed | FC | RoHS Compliant

Replacements for R and BR lamps with a wide light distribution.

Dimmable LED with a 25,000-hour lifespan. Premium models offer 90 CRI.

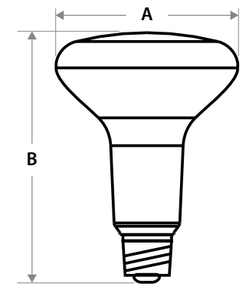
Applications

- Healthcare
- Hospitality
- Office
- Residential
- Retail

50W
R20 Replacement

65W
BR30 Replacement

65W
BR40 Replacement



DIMENSIONS	A	B
R20 - 50W	2 ½	3 ½
BR30 - 65W	3 ¾	3 ½
BR40 - 65W	3 ¾	4 ¾

Measurements in inches

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

25,000-HOUR LIFESPAN
Long-life product.

DAMP RATED
Suitable for damp locations.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

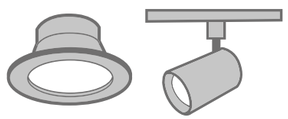
DIMMABLE
Compatible with 120V dimming systems.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.

120V Dimming

On most common dimmers[1]

Applications



1. Check dimmer compatibility list

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	Base	CRI (90+)	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Enclosed	Energy Star	T20	JA8	Case (Qty)
R20																5yr warranty
R20-7-927-DIM	R20	6.5	50	E26	90	2700	Y	120°	25k	550	85				•	
R20-7-930-DIM	R20	6.5	50	E26	90	3000	Y	120°	25k	550	85	•	•	•	•	10
R20-7-950-DIM	R20	6.5	50	E26	90	5000	Y	120°	25k	570	88					
BR30																5yr warranty
BR30-10-927-DIM	BR30	9.2	65	E26	90	2700	Y	120°	25k	770	84				•	
BR30-10-930-DIM	BR30	9.2	65	E26	90	3000	Y	120°	25k	770	84	•	•	•	•	6
BR30-10-940-DIM	BR30	9.2	65	E26	90	4000	Y	120°	25k	770	84					
BR30-10-950-DIM	BR30	9.2	65	E26	90	5000	Y	120°	25k	770	84					
BR40																4yr warranty
BR40-11-927-DIM NEW	BR40	11	65	E26	90	2700	Y	110°	25k	900	82					
BR40-11-930-DIM	BR40	11	65	E26	90	3000	Y	110°	25k	900	82	•	•	•	•	6
BR40-11-950-DIM	BR40	11	65	E26	90	5000	Y	110°	25k	900	82					

UL LISTED FC RoHS Compliant

PARs

Dimmable
Premium Dimmable

Serving as replacements for halogen PAR20, PAR30 and PAR38 directional lamps, these PARs have lifespans from 25,000 to 40,000 hours, perfect for fixtures used several hours per day.

Dimmable PARs

Replacements for PAR lamps. Dimmable LED with a 25,000-hour lifespan. 80 CRI.

Applications

- Healthcare
- Hospitality
- Houses of Worship
- Property Management
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

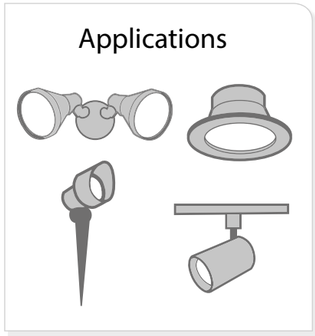
80+ CRI LIGHT — 80 CRI
Produces rich and vibrant colors.

WET RATED
Suitable for use outdoors.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

DIMMABLE
Compatible with 120V dimming systems.

SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.



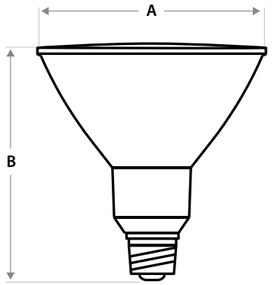
BEAM ANGLE 40° — **50W** PAR20 Replacement

BEAM ANGLE 40° — **75W** PAR30L Replacement

BEAM ANGLE 40° — **75W** PAR30S Replacement

BEAM ANGLE 25° — **90W** PAR38 Replacement

BEAM ANGLE 40° — **100W** PAR38 Replacement



DIMENSIONS	A	B
PAR20 - 50W	2 ½	3 ½
PAR30S - 75W	3 ¾	3 ½
PAR30L - 75W	3 ¾	4 ¾
PAR38 - 90W	4 ¾	5 ⅛
PAR38 - 100W	4 ¾	5 ⅛

Measurements in inches

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Enclosed	Wet Rated	Energy Star	Case Qty
PAR20															
PAR20-7-827-40D-DIM	PAR20	7	50	E26	80	2700	Y	40°	25k	500	71	•	•	•	6
PAR20-7-830-40D-DIM						3000									
PAR30S															
PAR30S-11-827-40D-DIM	PAR30S	11	75	E26	80	2700	Y	40°	25k	800	73	•	•	•	12
PAR30S-11-830-40D-DIM						3000									
PAR30L															
PAR30L-11-827-40D-DIM	PAR30L	11	75	E26	80	2700	Y	40°	25k	800	73	•	•	•	12
PAR30L-11-830-40D-DIM						3000									
PAR30L-11-840-40D-DIM						4000									
PAR38															
PAR38-15-830-25D-DIM	PAR38	15	90	E26	80	3000	Y	25°	25k	1050	70	•	•	•	6
PAR38-15-827-40D-DIM	PAR38	15	100	E26	80	2700	Y	40°	25k	1050	70	•	•	•	6
PAR38-15-830-40D-DIM						3000									
PAR38-15-840-40D-DIM						4000									
PAR38-15-850-40D-DIM						5000									

4yr warranty

UL Listed · RoHS Compliant

Premium Dimmable PARs

Replacements for PAR lamps. Dimmable LED with a 40,000-hour lifespan. 90 CRI. High-output models available.

Applications

- Healthcare
- Hospitality
- Houses of Worship
- Property Management
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

90+ CRI LIGHT — 90 CRI
Produces rich and vibrant colors.

WET RATED*
Suitable for use outdoors.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

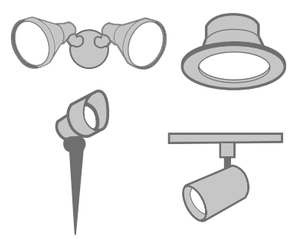
DIMMABLE
Compatible with 120V dimming systems.

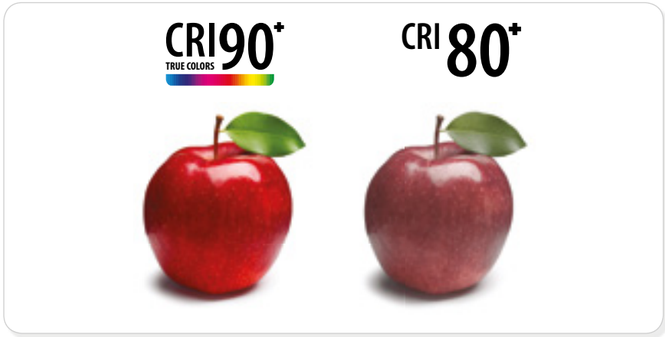
SHATTERPROOF
Plastic constructed bulbs ideal for rugged applications.

*See table for details (continued next page)

120V Dimming
On most common dimmers[1]

Applications

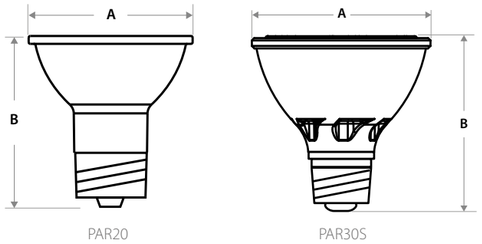




1. Check dimmer compatibility list

50W
PAR20 Replacement

75W
PAR30S Replacement



DIMENSIONS	A	B
PAR20 - 50W	2 ½	3 ½
PAR30S - 75W	3 ¾	3 ½

Measurements in inches

40,000-Hour Lifespan

RAB Catalog #	Shape	W	Lamp Power	90+ CRI	Wattage EQ	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	lm/W	Efficacy	Enclosed	Wet Rated	Damp Rated	Energy Star	T20	JA8	Case Qty
PAR20																				
PAR20-7-927-25D-DIM	PAR20	7	50	90	2700	Y	E26	25°	40k	560	80	●		●	●	●		●		12
PAR20-7-930-25D-DIM					3000													●		
PAR20-7-940-25D-DIM					4000															
PAR20-7-950-25D-DIM					5000															
PAR20-7-927-40D-DIM	PAR20	7	50	90	2700	Y	E26	40°	40k	560	80	●		●	●	●		●		12
PAR20-7-930-40D-DIM					3000													●		
PAR20-7-940-40D-DIM					4000															
PAR20-7-950-40D-DIM					5000															
PAR30S																				
PAR30S-11-927-25D-DIM	PAR30S	11	75	90	2700	Y	E26	25°	40k	915	83	●		●	●	●		●		6
PAR30S-11-930-25D-DIM					3000													●		
PAR30S-11-940-25D-DIM					4000															
PAR30S-11-950-25D-DIM					5000															
PAR30S-11-927-40D-DIM	PAR30S	11	75	90	2700	Y	E26	40°	40k	915	83	●		●	●	●		●		6
PAR30S-11-930-40D-DIM					3000													●		
PAR30S-11-940-40D-DIM					4000															
PAR30S-11-950-40D-DIM					5000															

4yr WARRANTY

RoHS Compliant

PREMIUM

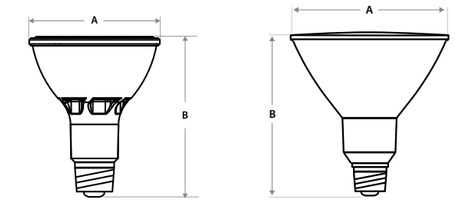
PROSERIES

75W
PAR30L Replacement

BEAM ANGLE 25° 35°

90W 120W
PAR38 Replacement

BEAM ANGLE 25° 40°



PAR30L PAR38

DIMENSIONS	A	B
PAR30L - 75W	3 ¾	4 ¾
PAR38 - 90W	4 ¾	5 ⅛
PAR38 - 100W	4 ¾	5 ⅛

Measurements in inches

40,000-Hour Lifespan

PAR30L

RAB Catalog #	Shape	W	Lamp Power	90+	Wattage EQ	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	lm/W	Efficacy	Enclosed	Wet Rated	Damp Rated	Energy Star	T20	JA8	Case Qty
PAR30L-11-927-25D-DIM	PAR30L	11	75	90	2700	Y	E26	25°	40k	915	83	●		●	●	●		●			6
PAR30L-11-930-25D-DIM					3000													●			
PAR30L-11-940-25D-DIM					4000																
PAR30L-11-950-25D-DIM					5000																
PAR30L-11-927-35D-DIM	PAR30L	11	75	90	2700	Y	E26	35°	40k	915	83	●		●	●	●		●			6
PAR30L-11-930-35D-DIM					3000													●			
PAR30L-11-940-35D-DIM					4000																
PAR30L-11-950-35D-DIM					5000																

PAR38

RAB Catalog #	Shape	W	Lamp Power	90+	Wattage EQ	CRI	Color Temp.	Dimmable	Base	Light Dist.	Lifespan (hrs)	Lumens	lm/W	Efficacy	Enclosed	Wet Rated	Damp Rated	Energy Star	T20	JA8	Case Qty
PAR38-12-927-25D-DIM	PAR38	12	90	90	2700	Y	E26	25°	40k	960	80	●	●		●	●		●			6
PAR38-12-930-25D-DIM					3000													●			
PAR38-12-940-25D-DIM					4000																
PAR38-12-950-25D-DIM					5000																
PAR38-12-927-40D-DIM	PAR38	12	90	90	2700	Y	E26	40°	40k	960	80	●	●		●	●		●			6
PAR38-12-930-40D-DIM					3000													●			
PAR38-12-940-40D-DIM					4000																
PAR38-12-950-40D-DIM					5000																
PAR38-16-927-25D-DIM	PAR38	16.5	120	90	2700	Y	E26	25°	40k	1370	83	●	●		●	●		●			6
PAR38-16-930-25D-DIM					3000													●			
PAR38-16-940-25D-DIM					4000																
PAR38-16-950-25D-DIM					5000																
PAR38-16-927-40D-DIM	PAR38	16.5	120	90	2700	Y	E26	40°	40k	1370	83	●	●		●	●		●			6
PAR38-16-930-40D-DIM					3000													●			
PAR38-16-940-40D-DIM					4000																
PAR38-16-950-40D-DIM					5000																

5yr WARRANTY

4yr WARRANTY

UL LISTED RoHS Compliant

These serve as replacements for small-diameter halogen reflectors and come in a variety of wattages, beam angles and CCTs. They carry a 25,000-hour lifespan and are available in either 80 CRI or 90 CRI producing rich and vibrant colors, perfect for retail applications.

SMALL REFLECTORS

Dimmable
Premium Dimmable

Replace MR, GU and PAR16 lamps with various beam distributions.

Dimmable lamps with a 25,000-hour lifespan. Premium models offer 90 CRI.

Applications

- Healthcare
- Hospitality
- Office
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

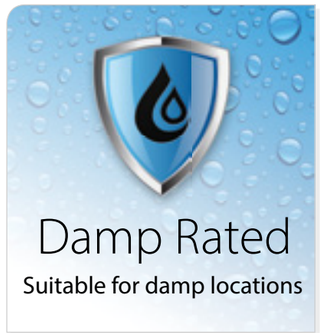
80+ CRI LIGHT — 80 CRI
Produces rich and vibrant colors.

25,000-HOUR LIFESPAN
Long-life product.

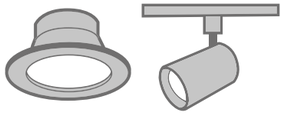
DAMP RATED
Suitable for damp locations.

MULTIPLE BEAM ANGLES
Available in 25°, 35°, 40° beam angles.

DIMMABLE
Compatible with 120V dimming systems.



Applications

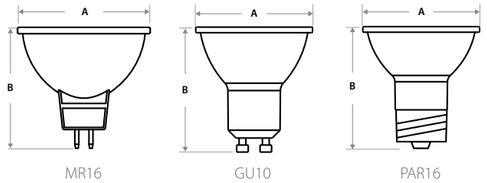


35W MR16 Replacement — BEAM ANGLE 25° 35°

50W MR16 Replacement — BEAM ANGLE 25° 35°

50W GU10 Replacement — BEAM ANGLE 35°

50W PAR16 Replacement — BEAM ANGLE 40°



DIMENSIONS	A	B
MR16 - 35W	2	1 ¾
MR16 - 50W	2	1 ⅞
GU10 - 50W	2	2 ⅛
PAR16 - 50W	2	2 ⅛

Measurements in inches

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power (W)	Wattage EQ	CRI (80+)	Color Temp.	Dimmable	Light Dist.	Base	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Material	Input Voltage	Energy Star	Case (Qty)
MR16															
MR16-6-827-25D-DIM	MR16	6.5	35	80	2700	Y	25°	GU5.3	25k	450	69	Plastic	12V	●	12
MR16-6-830-25D-DIM					3000										
MR16-6-827-35D-DIM	MR16	6.5	35	80	2700	Y	35°	GU5.3	25k	450	69	Plastic	12V	●	12
MR16-6-830-35D-DIM					3000										
MR16-6-850-35D-DIM					5000										
MR16-8-827-25D-DIM	MR16	8	50	80	2700	Y	25°	GU5.3	25k	570	71	Aluminum	12V	●	12
MR16-8-830-25D-DIM					3000										
MR16-8-827-35D-DIM	MR16	8	50	80	2700	Y	35°	GU5.3	25k	570	71	Aluminum	12V	●	12
MR16-8-830-35D-DIM					3000										
MR16-8-850-35D-DIM					5000										
GU10															
GU10-5-827-35D-DIM	GU10	5.5	50	80	2700	Y	35°	GU10	25k	400	73	Plastic	120V	●	10
GU10-5-830-35D-DIM					3000										
GU10-5-840-35D-DIM					4000										
GU10-5-850-35D-DIM					5000										
PAR16															
PAR16-6-827-40D-DIM	PAR16	6.5	50	80	2700	Y	40°	E26	25k	500	77	Plastic	120V	●	12
PAR16-6-830-40D-DIM					3000										
PAR16-6-840-40D-DIM					4000										
PAR16-6-850-40D-DIM					5000										

3 yr warranty

4 yr warranty

RoHS Compliant

SMALL REFLECTORS | Dimmable

Replace MR, GU and PAR16 lamps with various beam distributions.

Dimmable lamps with a 25,000-Hour lifespan. Premium models offer 90 CRI.

Applications

- Healthcare
- Hospitality
- Office
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

90 CRI
Produces rich and vibrant colors.

25,000-HOUR LIFESPAN
Long-life product.

DAMP RATED
Suitable for damp locations.

MULTIPLE BEAM ANGLES
Available in 15°, 25°and 35° beam angles.

DIMMABLE
Compatible with 120V dimming systems.

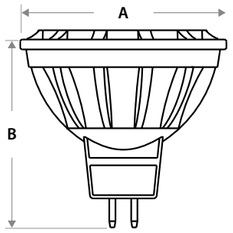
1. Check dimmer compatibility list

PREMIUM

PROSERIES

35w
50w
75w
MR16 Replacement

BEAM ANGLE
15°
25°
35°



DIMENSIONS	A	B
MR16 - 35W	2	1⅞
MR16 - 50W	2	1⅞
MR16 - 75W	2	1⅞

Measurements in inches

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	CRI	Color Temp.	Dimmable	Light Dist.	Base	Lifespan (hrs)	Lumens	Efficacy (lm/W)	Material	Input Voltage	Energy Star	Case Qty
MR16															
MR16-6-927-15D-DIM	MR16	6.5	35	90	2700	Y	15°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-930-15D-DIM	MR16	6.5	35	90	3000	Y	15°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-940-15D-DIM	MR16	6.5	35	90	4000	Y	15°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-927-25D-DIM	MR16	6.5	35	90	2700	Y	25°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-930-25D-DIM	MR16	6.5	35	90	3000	Y	25°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-940-25D-DIM	MR16	6.5	35	90	4000	Y	25°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-927-35D-DIM	MR16	6.5	35	90	2700	Y	35°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-930-35D-DIM	MR16	6.5	35	90	3000	Y	35°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-6-940-35D-DIM	MR16	6.5	35	90	4000	Y	35°	GU5.3	25k	420	65	Aluminum	12V	●	12
MR16-8-927-15D-DIM	MR16	8.5	50	90	2700	Y	15°	GU5.3	25k	525	62	Aluminum	12V	●	12
MR16-8-930-15D-DIM	MR16	8.5	50	90	3000	Y	15°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-8-940-15D-DIM	MR16	8.5	50	90	4000	Y	15°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-8-927-25D-DIM	MR16	8.5	50	90	2700	Y	25°	GU5.3	25k	525	62	Aluminum	12V	●	12
MR16-8-930-25D-DIM	MR16	8.5	50	90	3000	Y	25°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-8-940-25D-DIM	MR16	8.5	50	90	4000	Y	25°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-8-927-35D-DIM	MR16	8.5	50	90	2700	Y	35°	GU5.3	25k	525	62	Aluminum	12V	●	12
MR16-8-930-35D-DIM	MR16	8.5	50	90	3000	Y	35°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-8-940-35D-DIM	MR16	8.5	50	90	4000	Y	35°	GU5.3	25k	540	64	Aluminum	12V	●	12
MR16-9-927-15D-DIM	MR16	9	75	90	2700	Y	15°	GU5.3	25k	550	61	Aluminum	12V	●	12
MR16-9-930-15D-DIM	MR16	9	75	90	3000	Y	15°	GU5.3	25k	565	63	Aluminum	12V	●	12
MR16-9-940-15D-DIM	MR16	9	75	90	4000	Y	15°	GU5.3	25k	565	63	Aluminum	12V	●	12
MR16-9-927-25D-DIM	MR16	9	75	90	2700	Y	25°	GU5.3	25k	550	61	Aluminum	12V	●	12
MR16-9-930-25D-DIM	MR16	9	75	90	3000	Y	25°	GU5.3	25k	565	63	Aluminum	12V	●	12
MR16-9-940-25D-DIM	MR16	9	75	90	4000	Y	25°	GU5.3	25k	565	63	Aluminum	12V	●	12
MR16-9-927-35D-DIM	MR16	9	75	90	2700	Y	35°	GU5.3	25k	550	61	Aluminum	12V	●	12
MR16-9-930-35D-DIM	MR16	9	75	90	3000	Y	35°	GU5.3	25k	565	63	Aluminum	12V	●	12
MR16-9-940-35D-DIM	MR16	9	75	90	4000	Y	35°	GU5.3	25k	565	63	Aluminum	12V	●	12

RoHS Compliant

Damp Rated

Suitable for damp locations

25,000-Hour Lifespan

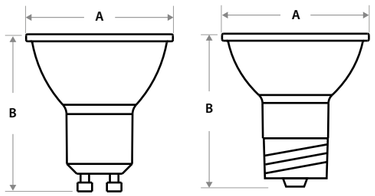
Long-life product

60W
GU10
Replacement

BEAM ANGLE 35°

60W
PAR16
Replacement

BEAM ANGLE 35°



GU10 PAR16

DIMENSIONS	A	B
GUI10 - 60W	2	2 ⅛
PAR16 - 60W	2	2 ⅛

Measurements in inches

25,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	CRI	Color Temp.	Dimmable	Light Dist.	Base	Lifespan (hrs)	Lumens	Efficacy	Material	Input Voltage	Energy Star	JA8	Case Qty
GU10																
GU10-8-930-35D-DIM	GU10	8	60	90	3000	Y	35°	GU10	25k	535	67	Plastic	120V	●	●	10
PAR16																
PAR16-8-930-35D-DIM	PAR16	8	60	90	3000	Y	35°	E26	25k	535	67	Plastic	120V	●	●	10

5yr WARRANTY

UL LISTED FC RoHS Compliant

RAB decorative lamps were designed with both form and function in mind—they look just as great as they perform. Decoratives are available in classic designs with either exposed filaments or frosted finishes, that simulate the appearance of the conventional lamps they replace.

DECORATIVE

Premium Clear
Premium Frosted

Available in classic candle, globe, A and Edison shapes, these decorative lamps are offered in both clear and frosted models.

Applications

- Healthcare
- Hospitality
- Office
- Residential
- Retail

Key Features

ENERGY SAVINGS
Save up to 85% on energy.

90 CRI
Produces rich and vibrant colors.

15,000-HOUR LIFESPAN
Last up to 13.7 years at 3 hours per day.

DAMP RATED
Suitable for damp locations.

ENCLOSED FIXTURE RATED
May be used in both enclosed and open fixtures.

FULL GLASS DESIGN
Simulate the appearance of conventional lamps.

CRI90+ TRUE COLORS

Applications

B11 BA11	
G16.5	
G25	
A15/A19 ST19	

40w 60w
B11 Replacement

40w 60w
BA11 Replacement

40w
G16.5 Replacement

40w
G25 Replacement

40w
A15 Replacement

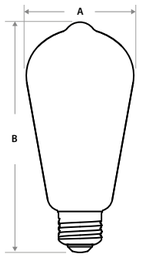
40w 60w
A19 Replacement

Wet Rated
Suitable for use outdoors

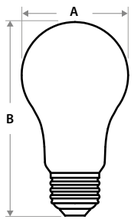
40w
ST19 Replacement

Wet Rated
Suitable for use outdoors

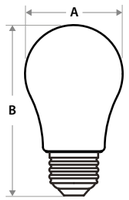
DECORATIVE | Dimmable



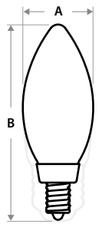
ST19



A19



A15



B11

DIMENSIONS	A	B
A15	1 7/8	3 3/8
A19	2 1/2	4 1/4
B11 - E26	1 3/8	4 1/2
B11 - E12	1 3/8	3 7/8
ST19	2 1/2	5 3/8

Measurements in inches

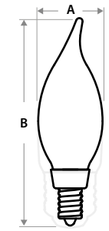
15,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Material	Clear	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Energy Star	T20	Case
ST19 - CLEAR																
ST19-3-E26-927-F-C	ST19	3.8	40	E26	90	2700	Glass	●	Y	360°	15k	350	92	●	●	8
A15 - CLEAR																
NEW A15-4-E26-827-F-C	A15	4	40	E26	80	2700	Glass	●	Y	360°	15k	450	110	●	NA	12
A19 - CLEAR																
A19-5-E26-927-F-C	A19	5	40	E26	90	2700	Glass	●	Y	360°	15k	450	90	●	●	12
A19-5-E26-950-F-C						5000										
A19-9-E26-927-F-C	A19	9	60	E26	90	2700	Glass	●	Y	360°	15k	810	90	●	●	12
A19-9-E26-950-F-C						5000										
B11 - CLEAR																
B11-3-E12-927-F-C	B11	3.3	40	E12	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
B11-5-E12-927-F-C		5.5	60									500				
B11-3-E26-927-F-C	B11	3.3	40	E26	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
B11-5-E26-927-F-C		5.5	60									500				
BA11 - CLEAR																
BA11-3-E12-927-F-C	BA11	3.3	40	E12	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
BA11-5-E12-927-F-C		5.5	60									500				
BA11-3-E26-927-F-C	BA11	3.3	40	E26	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
BA11-5-E26-927-F-C		5.5	60									500				
G16.5 - CLEAR																
G16.5-3-E12-927-F-C	G16.5	3.8	40	E12	90	2700	Glass	●	Y	360°	15k	350	92	●	●	12
G16.5-3-E12-950-F-C						5000										
G16.5-3-E26-927-F-C	G16.5	3.8	40	E26	90	2700	Glass	●	Y	360°	15k	350	92	●	●	12
G16.5-3-E26-950-F-C						5000										
G25 - CLEAR																
G25-3-E26-927-F-C	G25	3.8	40	E26	90	2700	Glass	●	Y	360°	15k	350	92	●	●	6
G25-3-E26-950-F-C						5000										

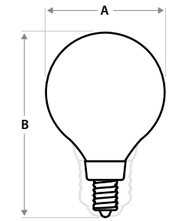
RoHS Compliant

PREMIUM Clear & Frosted

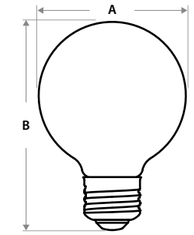
PRO *SERIES*



BA11



G16.5



G25

DIMENSIONS	A	B
G16.5 - E26	2	3 1/4
G16.5 - E12	2	3 1/4
BA11 - E26	1 3/8	4 7/8
BA11 - E12	1 3/8	4 3/8
G25	3 1/8	4 3/8

Measurements in inches

15,000-Hour Lifespan

RAB Catalog #	Shape	Lamp Power	Wattage EQ	Base	CRI	Color Temp.	Material	Frosted	Dimmable	Light Dist.	Lifespan (hrs)	Lumens	Efficacy	Energy Star	T20	Case
A15 - FROSTED																
NEW A15-4-E26-827-F-F	A15	4.3	40	E26	80	2700	Glass	●	Y	360°	15k	450	105	●	NA	12
A19 - FROSTED																
A19-5-E26-927-F-F	A19	5	40	E26	90	2700	Glass	●	Y	360°	15k	450	90	●	●	12
A19-5-E26-950-F-F						5000										
A19-9-E26-927-F-F	A19	9	60	E26	90	2700	Glass	●	Y	360°	15k	810	90	●	●	12
A19-9-E26-950-F-F						5000										
B11 - FROSTED																
B11-3-E12-927-F-F	B11	3.3	40	E12	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
B11-5-E12-927-F-F		5.5	60									500				
B11-3-E26-927-F-F	B11	3.3	40	E26	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
B11-5-E26-927-F-F		5.5	60									500				
BA11 - FROSTED																
BA11-3-E12-927-F-F	BA11	3.3	40	E12	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
BA11-5-E12-927-F-F		5.5	60									500				
BA11-3-E26-927-F-F	BA11	3.3	40	E26	90	2700	Glass	●	Y	360°	15k	300	91	●	●	12
BA11-5-E26-927-F-F		5.5	60									500				
G16.5 - FROSTED																
G16.5-3-E12-927-F-F	G16.5	3.8	40	E12	90	2700	Glass	●	Y	360°	15k	350	92	●	●	12
G16.5-3-E12-950-F-F						5000										
G16.5-3-E26-927-F-F	G16.5	3.8	40	E26	90	2700	Glass	●	Y	360°	15k	350	92	●	●	12
G16.5-3-E26-950-F-F						5000										
G25 - FROSTED																
G25-3-E26-927-F-F	G25	3.8	40	E26	90	2700	Glass	●	Y	360°	15k	350	92	●	●	6
G25-3-E26-950-F-F						5000										

RoHS Compliant

Linear Tubes

	SHAPE	WATT EQUIVALENT	LUMENS	MATERIAL
BALLAST COMPATIBLE	2FT T8	17	900	Glass
		17	900	Plastic
		17	1050	Glass, PET coated
	3FT T8	25	1200	Glass
		25	1200	Glass, PET coated
	4FT T8	32	1800	Glass
		32	2200	Glass
		32	1800	Plastic
		32	2200	Plastic
		32	1750/1800/2000/2200	Glass, PET coated
		25/28/30/32	1800/1825/1850/1900	Glass
	4FT T5HO	54	3500	Glass
	2FT U-Bend	32	2200	Glass
BALLAST BYPASS – SINGLE ENDED	2FT T8	17	950	Glass
	4FT T8	32	1800/2000	Glass
		32	1800/1825/1900	Glass, PET coated
	2FT U-Bend	32	2200	Glass
BALLAST BYPASS – DOUBLE ENDED	2FT T8	17	1150	Glass
	3FT T8	21/25	1450	Glass
	4FT T8	32	1800/2200	Glass
		25/28/30/32	1700	Glass
	8FT T8	59/54	5500	Glass
	4FT T5HO	54	3500	Glass
BALLAST BYPASS – SINGLE + DOUBLE ENDED	2FT T8	17	1150	Glass
		17	910/950	Glass, PET coated
	3FT T8	25	1170/1200	Glass, PET coated
	4FT T8	32	1800/2200	Glass
		32	1730/1800/2050/2200	Glass, PET coated
		25/28/30/32	1700	Glass
BALLAST BYPASS + COMPATIBLE – HYBRID	2FT T8	17	1150	Glass
	4FT T8	32	1800	Glass
BALLAST REPLACEMENT	2FT T8	17	1200	Glass
	3FT T8	25	1800	Glass
	4FT T8	32	1800	Glass
	4FT T8 2 KITS	32	1800	Glass
	4FT T8 4 KITS	32	1800	Glass

Compacts

	SHAPE	WATT EQUIVALENT	LUMENS	BASE
BALLAST COMPATIBLE	PLC Horizontal	26	1000	G24q
	PLC Vertical	26	1000	G24q
	PLT Horizontal	42	1650/1750/1850	G24q
	PLT Vertical	42	1650/1750/1850	G24q
BALLAST BYPASS + COMPATIBLE – HYBRID	PLS Horizontal	13	500/550	GX23
BALLAST BYPASS	PLC Horizontal	26	1000	G24d
	PLC Vertical	26	1000	G24d
	PLL Horizontal	40	2200	2G11

HID Replacements

	WATT EQUIVALENT	LUMENS	E26 BASE	EX39 BASE
BALLAST BYPASS – POST TOPS	50	1750		
	75	2600		
	125	3900		
	150	5400		
	175	6800		
	200	8100		
	250	9500		
	320	12000		
	400	15000		
	500	18000		
BALLAST BYPASS – WALL PACKS	100	3000/3100		
	150	4500/4650		
	200	6200		
	250	9300		
BALLAST BYPASS – HIGH BAYS	200	8100		
	250	10800		
	400	15800		
	600	20000		
BALLAST BYPASS – SHOEBOXES	250/320	10000		
	400	13800		
BALLAST BYPASS – OMNIDIRECTIONAL	70-100	3000/3050		
	150	4000/4100		
BALLAST BYPASS – HIGH-OUTPUT PARs	250	2400		

A-Line

	SHAPE	WATT EQUIVALENT	LUMENS	BASE
NON-DIMMABLE	A19	40	480	E26
		60	800	E26
		75	1100	E26
		100	1600	E26
UNIVERSAL VOLTAGE NON-DIMMABLE	A19	60	800/840	E26
	A21	125	2000/2050	E26
	A23	200	3010/3050	E26
	PS25	300	4000/4100	E26
DIMMABLE	A19	40	480	E26
		60	800/840	E26
				GU24
		75	1100/1155	E26
				GU24
		100	1680	E26
				GU24
PREMIUM DIMMABLE (CRI 90+)	A19	40	480	E26
		60	800	E26
	A21	75	1200	E26
		100	1600	E26

Reflectors

PARs

Small Reflectors

Decorative

DIMMABLE

SHAPE	WATT EQUIVALENT	LUMENS
R20	50	525
BR30	65	720
BR40	75	950
	85	1100

PREMIUM DIMMABLE

CRI90 TRUE COLORS

SHAPE	WATT EQUIVALENT	LUMENS
R20	50	570
BR30	65	770
BR40	65	900

DIMMABLE

SHAPE	WATT EQUIVALENT	LUMENS	BEAM°
PAR20	50	500	40°
PAR30S	75	800	40°
PAR30L	75	800	40°
PAR38	90	1050	25°
	100	1050	40°

PREMIUM DIMMABLE

CRI90 TRUE COLORS

SHAPE	WATT EQUIVALENT	LUMENS	BEAM°
PAR20	50	560	25°
			40°
PAR30S	75	915	25°
			40°
PAR30L	75	915	25°
			35°
PAR38	90	960	25°
			40°
	120	1370	25°
			40°

DIMMABLE

SHAPE	WATT EQUIVALENT	LUMENS	BEAM°
MR16	35	450	25°
			35°
	50	570	25°
			35°
GU10	50	400	35°
PAR16	50	500	40°

PREMIUM DIMMABLE

CRI90 TRUE COLORS

SHAPE	WATT EQUIVALENT	LUMENS	BEAM°
MR16	35	420	15°
			25°
			35°
	50	525	15°
			25°
			35°
	75	565	15°
			25°
			35°
GU10	60	535	35°
PAR16	60	535	35°

PREMIUM DIMMABLE CLEAR

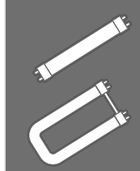
SHAPE	WATT EQUIVALENT	LUMENS	E12 BASE	E26 BASE
ST19	40	350		
A15	40	450		
A19	40	450		
	60	810		
B11	40	300		
	60	500		
BA11	40	300		
	60	500		
G16.5	40	350		
G25	40	350		

PREMIUM DIMMABLE FROSTED

CRI90 TRUE COLORS

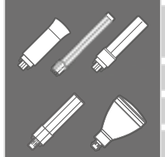
SHAPE	WATT EQUIVALENT	LUMENS	E12 BASE	E26 BASE
A15	40	450		
A19	40	450		
	60	810		
B11	40	300		
	60	500		
BA11	40	300		
	60	500		
G16.5	40	350		
G25	40	350		

	Lamp Shape	Catalog #	Case Qty	Case Length Inches	Case Width Inches	Case Height Inches	Pallet Qty (Case)	Pallet Qty (Lamps)	Pallet Length Inches	Pallet Width Inches	Pallet Height Inches
Linear Tubes	2 ft T8	T8-6-24G-8XX-DIR*	25	26.77	6.34	7.36	54	1350	46.93	39.21	44.80
		T8-6-24P-8XX-DIR									
		T8-7-24GC-8XX-DIR	25	25.41	7.68	7.49	50	1250	52.76	40.16	46.46
		T8-8-24G-8XX-SE-BYP	25	26.77	6.34	7.36	54	1350	46.93	39.21	44.80
		T8-9-24G-8XX-DE-BYP	25	250.00	6.30	6.50	84	2100	49.21	39.37	50.20
		T8-7-24GC-8XX-SD-BYP	25	25.41	7.68	7.49	50	1250	52.76	40.16	46.46
		T8-7-24GC-8XX-SD-BYP-FF									
		T8-9-24G-8XX-SD-BYP	25	250.00	6.30	6.50	84	2100	49.21	39.37	50.20
		T8-7.5-24G-8XX-HYB	25	26.77	6.34	7.36	54	1350	46.93	39.21	44.80
		T8-7.5-24G-8XX-EXT	24	26.69	7.63	6.22	49	1176	43.14	39.37	43.54
	3 ft T8	T8-8-36G-8XX-DIR	25	38.78	6.34	7.36	42	1050	45.39	39.80	44.80
		T8-8-36GC-8XX-DIR	25	37.43	7.68	7.49	30	750	483.00	39.76	46.46
		T8-9-36GC-8XX-SD-BYP									
		T8-12-36G-8XX-DE-BYP	25	370.00	6.30	6.30	56	1400	47.99	400.00	51.28
		T8-11-36G-8XX-EXT	24	38.18	78.00	5.11	42	1008	42.48	38.66	35.77
	4 ft T8	T8-10.5-48G-8XX-DIR	25	50.79	6.34	7.36	36	900	52.36	39.61	44.80
		T8-10.5-48GC-8XX-DIR	25	49.45	7.68	7.49	25	625	50.99	400.00	46.46
		T8-12-48GC-8XX-DIR	25	49.45	7.68	7.49	25	625	51.18	39.76	46.46
		T8-12-48P-8XX-DIR	25	50.79	6.34	7.36	36	900	52.36	39.61	44.80
		T8-14-48GC-8XX-DIR	25	49.45	7.68	7.49	25	625	51.18	39.76	46.46
		T8-15-48G-8XX-DIR	25	50.79	6.34	7.36	36	900	52.36	39.61	44.80
		T8-15-48P-8XX-DIR									
		T8-12-48G-8XX-SE-BYP									
		T8-15-48G-8XX-SE-BYP	25	49.20	7.87	7.28	30	750	49.21	39.37	48.82
		T8-15-48G-H-8XX-SE-BYP	25	50.79	6.34	7.36	36	900	52.36	39.61	44.80
		T8-14-48G-8XX-SE-BYP-DIM	25	49.45	7.68	7.49	25	625	51.18	39.76	46.46
		T8-14.5-48GC-8XX-SE-BYP-PDIM	25	50.20	7.28	7.28	48	1200	50.20	43.70	58.27
		T8-10.5-48G-8XX-DE-BYP	25	48.82	5.90	5.90	48	1200	51.28	400.00	47.24
		T8-14-48G-8XX-DE-BYP									
		T8-17-48G-8XX-DE-BYP									
		T8-10.5-48G-8XX-SD-BYP									
		T8-12-48GC-8XX-SD-BYP	25	49.45	7.68	7.49	25	625	51.18	39.76	46.46
		T8-12-48GC-8XX-SD-BYP-FF									
		T8-14-48G-8XX-SD-BYP	25	48.82	5.91	5.91	42	1050	49.21	39.37	466.00
		T8-15-48GC-8XX-SD-BYP	25	49.45	7.68	7.49	25	625	51.18	39.76	46.46
		T8-17-48G-8XX-SD-BYP	25	48.82	5.91	5.91	42	1050	49.21	39.37	466.00
		T8-12-48G-8XX-HYB	25	50.79	6.34	7.36	36	900	52.36	39.61	44.80
		T8-11-48G-8XX-EXT	24	50.70	7.64	6.22	30	720	51.88	39.37	43.54
		T8-26-48G-8XX-EXT-2L-DIM	6	48.94	10.98	5.98	21	126	49.21	39.37	471.00
		T8-52-48G-8XX-EXT-4L-DIM	6	48.94	17.44	5.98	14	84	49.21	39.37	471.00
	Type C Driver	DRI-24T8-2L-DIM	6	104.00	5.35	4.13	186	1116	46.69	39.13	27.63
		DRI-24T8-4L-DIM									
		DRI-36/48T8-2L-DIM	6	10.67	6.54	4.37	150	900	47.40	37.59	295.00
		DRI-36/48T8-4L-DIM									
	Emergency Driver	DRI-5-EMGR-T8	25	13.58	10.63	87.00	60	1500	49.21	39.37	45.27



**8XX denotes 80 CRI and several color temperatures available. 9XX denotes 90 CRI and several color temperatures available.*

	Lamp Shape	Catalog #	Case Qty	Case Length Inches	Case Width Inches	Case Height Inches	Pallet Qty (Case)	Pallet Qty (Lamps)	Pallet Length Inches	Pallet Width Inches	Pallet Height Inches
Linear Tubes	8 ft T8	T8-43-96G-Fa8-8XX-DE-BYP	10	95.67	7.48	4.72	100	1000	95.67	39.37	91.34
		T8-43-96G-R17d-8XX-DE-BYP									
	4 ft T5	T5-25-48G-8XX-DIR	25	47.83	79.00	7.48	36	900	49.21	39.37	49.61
		T5-25-48G-8XX-BYP									
	2 ft U-BEND	U6-15-8XX-DIR	12	242.00	15.55	8.86	16	192	47.24	39.37	40.16
		U6-18-8XX-SE-BYP									
Compacts	PLC- Horizontal	PLC-9-H-8XX-DIR	12	6.50	4.92	79 .00	282	3384	47.24	39.37	49.61
		PLC-9-H-8XX-BYP									
	PLC- Vertical	PLC-9-V-8XX-DIR	12	87.00	6.10	5.12	240	2880	47.24	39.37	47.64
		PLC-9-V-8XX-BYP									
	PLL	PLL-17-8XX-BYP	25	23.62	9.76	6.50	48	1200	47.24	39.37	40.16
	PLS	PLS-5.5-H-8XX-HYB	25	79.00	5.51	6.69	315	7875	49.21	39.27	47.24
	PLT	PLT-16-H-8XX-DIR	20	9.84	7.87	7.48	144	2880	49.21	39.37	46.85
		PLT-16-V-8XX-DIR	20	20.47	13.78	8.66	144	2880	41.73	41.33	449.00
HID Replacements	Post Tops EX39 Base	HID-120-EX39-8XX-BYP-PT	6	17.32	13.18	11.81	32	192	480.00	400.00	47.34
		HID-100-EX39-8XX-BYP-PT	6	19.80	14.41	14.21	18	108	480.00	400.00	42.74
		HID-80-EX39-8XX-BYP-PT	6	20.67	14.71	13.98	18	108	480.00	41.34	423.00
		HID-63-EX39-8XX-BYP-PT	6	17.32	12.40	11.81	32	192	475.00	400.00	47.34
		HID-54-EX39-8XX-BYP-PT	6	17.32	11.81	11.81	32	192	46.46	400.00	47.34
		HID-45-EX39-8XX-BYP-PT	12	15.55	11.81	12.16	36	432	480.00	400.00	48.66
		HID-36-EX39-8XX-BYP-PT	12	15.55	11.81	11.57	36	432	480.00	400.00	46.30
		HID-27-EX39-8XX-BYP-PT	12	15.55	11.81	11.57	36	432	480.00	400.00	46.30
	Post Tops E26 Base	HID-45-E26-8XX-BYP-PT	12	15.55	11.81	10.39	36	432	480.00	400.00	41.57
		HID-36-E26-8XX-BYP-PT	12	120.00	96.00	9.45	75	900	480.00	400.00	47.34
		HID-27-E26-8XX-BYP-PT	12	15.55	11.81	11.57	36	432	480.00	400.00	46.30
		HID-18-E26-8XX-BYP-PT	12	15.55	11.81	10.39	36	432	480.00	400.00	41.57
		HID-12-E26-8XX-BYP-PT	12	120.00	96.00	9.45	75	900	480.00	400.00	47.34
	High Bays	HID-135-V-EX39-8XX-BYP-HB	12	12.20	96.00	7.68	90	1080	480.00	400.00	46.16
		HID-115-V-EX39-8XX-BYP-HB	4	20.47	20.47	11.41	16	64	480.00	40.95	45.77
		HID-80-V-EX39-8XX-BYP-HB	4	17.72	17.72	96.00	20	80	480.00	400.00	45.38
		HID-60-V-EX39-8XX-BYP-HB	4	15.35	15.35	8.66	30	120	480.00	400.00	43.41
	Wall Packs	HID-60-H-EX39-8XX-BYP-WP	12	16.73	12.68	12.60	24	288	480.00	400.00	37.90
		HID-40-H-EX39-8XX-BYP-WP	12	16.73	12.68	10.75	32	384	480.00	400.00	42.99
		HID-40-H-E26-8XX-BYP-WP	12	16.73	12.68	10.75	32	384	480.00	400.00	42.99
		HID-30-H-EX39-8XX-BYP-WP	12	16.73	12.68	9.96	32	384	480.00	400.00	39.94
		HID-30-H-E26-8XX-BYP-WP	12	16.73	12.68	9.96	32	384	480.00	400.00	39.94
		HID-20-H-EX39-8XX-BYP-WP	12	15.24	11.61	87.00	50	600	480.00	400.00	40.45
		HID-20-H-E26-8XX-BYP-WP	12	15.24	11.61	87.00	50	600	480.00	400.00	40.45
	Shoeboxes	HID-110-H-EX39-8XX-BYP-SB	6	17.52	13.27	13.58	24	144	48.31	400.00	40.31
		HID-80-H-EX39-8XX-BYP-SB	6	17.52	10.91	13.58	18	108	480.00	400.00	40.85
	Sensor	PIR-S	100	9.84	9.84	87.00	80	8000	39.37	39.37	458.00
		MW-S	100	9.84	9.84	9.45	64	6400	39.37	39.37	42.52
	Transformer	XFMR200-480-277	8	8.58	6.46	5.63	240	1920	47.24	39.37	47.24



	Lamp Shape	Catalog #	Case Qty	Case Length Inches	Case Width Inches	Case Height Inches	Pallet Qty (Case)	Pallet Qty (Lamps)	Pallet Length Inches	Pallet Width Inches	Pallet Height Inches
A-Line Bulbs	A19 E26 & GU24 base	A19-6-E26-8XX-ND	12	100.00	7.56	5.12	120	1440	46.93	41.57	26.22
		A19-9-E26-8XX-ND									
		A19-12-E26-8XX-ND									
		A19-8.5-E26-8XX-ND 120-277V									
		A19-5-E26-8XX-DIM	12	15.40	5.20	4.90	168	2016	47.24	39.37	45.67
		A19-10-E26-8XX-DIM									
		A19-9-GU24-8XX-DIM									
		A19-13-E26-8XX-DIM									
		A19-13-GU24-8XX-DIM									
		A19-15-E26-8XX-DIM									
		A19-16-GU24-8XX-DIM									
		A19-6-E26-9XX-DIM	12	100.00	7.56	5.12	216	2592	45.35	400.00	466.00
		A19-9-E26-9XX-DIM	12	100.00	7.56	5.24	216	2592	45.35	400.00	47.13
	A21	A21-16-E26-8XX-ND	12	12.83	9.69	6.18	105	1260	500.00	40.31	43.90
		A21-17-E26-8XX-ND 120-277V	12	17.52	5.91	6.10	98	1176	44.69	36.22	45.47
		A21-15-E26-9XX-DIM	12	13.62	10.28	6.22	80	960	41.10	34.17	49.76
		A21-17-E26-9XX-DIM									
	A23 E26 & EX39	A23-24-E26-8XX-ND 120-277V	12	14.37	10.83	7.48	72	864	44.69	36.22	47.25
		A23-24-EX39-8XX-ND 120-277V									
	PS25 E26 & EX39	PS25-32-E26-8XX-ND 120-277V	12	14.37	10.83	8.27	60	720	44.69	36.22	47.25
		PS25-32-EX39-8XX-ND 120-277V									
Reflectors	R20	R20-7-8XX-DIM	10	13.19	5.51	4.41	200	2000	46.26	39.57	35.28
		R20-7-9XX-DIM									
	BR30	BR30-9-8XX-DIM	6	11.97	7.99	6.50	120	720	47.87	39.96	38.98
		BR30-10-9XX-DIM									
	BR40	BR40-13-8XX-DIM	6	15.75	10.63	6.97	60	360	47.24	371.00	41.81
		BR40-15-8XX-DIM									
		BR40-11-9XX-DIM	6	15.71	10.59	7.24	49	294	47.13	36.89	50.71
PARs	PAR20	PAR20-7-8XX-40D-DIM	12	10.79	8.15	4.25	216	2592	43.15	37.87	512 .00
		PAR20-7-9XX-25D-DIM	12	10.79	8.15	46.00	216	2592	43.15	37.87	48.66
		PAR20-7-9XX-40D-DIM									
	PAR30 Short/Long	PAR30S-11-8XX-40D-DIM	12	16.14	12.17	4.37	88	1056	44.45	36.50	47.68
		PAR30L-11-8XX-40D-DIM	12	16.14	12.17	5.67	72	864	44.45	36.50	512.00
		PAR30S-11-9XX-25D-DIM	6	12.80	8.46	4.72	140	840	46.65	38.39	37.80
		PAR30S-11-9XX-40D-DIM									
		PAR30L-11-9XX-25D-DIM	6	12.40	8.27	79 .00	100	600	45.47	37.20	35.43
		PAR30L-11-9XX-35D-DIM									
	PAR38	PAR38-26-9XX-25D-ND	6	15.35	10.35	6.54	80	480	47.64	37.64	508.00
		PAR38-26-9XX-40D-ND									
		PAR38-15-8XX-40D-DIM	6	15.12	10.20	66.00	80	480	45.35	35.51	48.50
		PAR38-15-8XX-25D-DIM									
		PAR38-12-9XX-25D-DIM	6	14.88	104.00	6.18	88	528	44.65	39.80	49.45
		PAR38-12-9XX-40D-DIM									
		PAR38-16-9XX-25D-DIM									
		PAR38-16-9XX-40D-DIM									

	Lamp Shape	Catalog #	Case Qty	Case Length Inches	Case Width Inches	Case Height Inches	Pallet Qty (Case)	Pallet Qty (Lamps)	Pallet Length Inches	Pallet Width Inches	Pallet Height Inches
Small Reflectors	MR16	MR16-6-8XX-25D-DIM	12	7.68	5.71	2.56	172	2064	47.83	39.96	10.24
		MR16-6-8XX-35D-DIM									
		MR16-8-8XX-25D-DIM									
		MR16-8-8XX-35D-DIM									
		MR16-6-9XX-15D-DIM									
		MR16-6-9XX-25D-DIM									
		MR16-6-9XX-35D-DIM									
		MR16-8-9XX-15D-DIM									
		MR16-8-9XX-25D-DIM									
		MR16-8-9XX-35D-DIM									
		MR16-9-9XX-15D-DIM									
		MR16-9-9XX-25D-DIM									
		MR16-9-9XX-35D-DIM									
	GU10	GU10-5-8XX-35D-DIM	10	10.43	4.33	2.76	205	2050	47.64	39.96	13.78
		GU10-8-9XX-35D-DIM									
	PAR16	PAR16-6-8XX-40D-DIM	12	8.58	6.50	3.70	270	3240	42.91	38.98	48.11
		PAR16-8-9XX-35D-DIM	10	10.43	4.33	3.74	205	2050	47.64	39.96	18.70
Decorative	B11 E12 & E26 base	B11-X-E12-9XX-F-C	12	6.50	4.92	4.72	424	5088	38.43	46.30	39.37
		B11-X-E12-9XX-F-F									
		B11-X-E26-9XX-F-C									
		B11-X-E26-9XX-F-F									
	BA11 E12 & E26 base	BA11-X-E12-9XX-F-C	12	6.50	4.92	5.12	371	4452	38.43	46.30	37.20
		BA11-X-E12-9XX-F-F									
		BA11-X-E26-9XX-F-C									
		BA11-X-E26-9XX-F-F									
	A15	A15-4-E26-8XX-F-C	12	8.47	6.30	4.33	400	4800	45.28	52.95	47.25
		A15-4-E26-8XX-F-F									
	G16.5	G16.5-3-E12-9XX-F-F	12	92 .00	6.81	4.33	216	2592	396 .00	45.67	36.22
		G16.5-3-E12-9XX-F-C									
		G16.5-3-E26-9XX-F-F									
		G16.5-3-E26-9XX-F-C									
	G25	G25-3-E26-9XX-F-C	6	10.35	6.97	5.71	132	792	42.52	38.50	39.45
		G25-3-E26-9XX-F-F									
	A19	A19-5-E26-9XX-F-C	12	10.83	8.15	5.12	126	1512	38.43	442 .00	37.20
		A19-5-E26-9XX-F-F									
		A19-9-E26-9XX-F-C									
		A19-9-E26-9XX-F-F									
	ST19	ST19-3-E26-9XX-F-C	8	11.38	5.79	6.38	144	1152	46.30	35.43	39.45

LINEAR TUBES | Type A - Ballast Performance

GLASS BALLAST COMPATIBLE

	LUMENS			SYSTEM WATTAGE		
Ballast Factor:	.78	.88	1.18	.78	.88	1.18
T8-10.5-48G-8XX-DIR						
3000K	1,500	1,800	2,100	11	13	17
3500K	1,500	1,800	2,100	11	13	17
4000K	1,600	1,800	2,200	11	13	17
5000K	1,600	1,800	2,200	11	13	17
T8-12-48G-8XX-DIR						
3000K	1,515	1,680	2,165	14	15	20
3500K	1,530	1,700	2,200	14	15	20
4000K	1,650	1,800	2,380	14	15	20
5000K	1,700	1,860	2,440	14	15	20
T8-15-48G-8XX-DIR						
3000K	1,830	2,035	2,625	16	18	23
3500K	1,850	2,050	2,640	16	18	23
4000K	2,000	2,170	2,850	16	18	23
5000K	2,015	2,200	2,900	16	18	23
T8-8-36G-8XX-DIR						
3000K	995	1,100	1,420	9	10	13
3500K	1,000	1,120	1,450	9	10	13
4000K	1,060	1,180	1,520	9	10	13
5000K	1,080	1,200	1,550	9	10	13
T8-6-24G-8XX-DIR						
3000K	725	840	1,030	7	7	9
3500K	740	850	1,045	7	7	9
4000K	810	935	1,120	7	8	9
5000K	820	950	1,160	7	8	9
U6-15-8XX-DIR						
3000K	1,990	2,210	2,850	16	18	23
3500K	2,000	2,220	2,880	16	18	23
4000K	2,010	2,240	2,900	16	18	23
5000K	2,040	2,270	2,930	16	18	23
T5-25-48G-8XX-DIR						
3000K	2,990	3,325	4,290	27	29	36
3500K	3,000	3,340	4,300	27	29	36
4000K	3,200	3,550	4,595	27	29	36
5000K	3,245	3,605	4,650	27	29	36

COATED GLASS BALLAST COMPATIBLE

	LUMENS			SYSTEM WATTAGE		
Ballast Factor:	.78	.88	1.18	.78	.88	1.18
T8-10.5-48GC-8XX-DIR						
3500K	1,450	1,750	2,200	11	13	17
4000K	1,520	1,800	2,250	11	13	17
5000K	1,520	1,800	2,250	11	13	17
T8-12-48GC-8XX-DIR						
3500K	1,450	1,800	2,300	12	15	19
4000K	1,450	1,800	2,300	12	15	19
5000K	1,450	1,800	2,300	12	15	19
T8-14-48GC-8XX-DIR						
3500K	1,660	2,000	2,800	13	16	22
4000K	1,750	2,200	3,000	13	16	22
5000K	1,750	2,200	3,000	13	16	22
T8-8-36GC-8XX-DIR						
3500K	1,000	1,200	1,600	9	11	14
4000K	1,000	1,200	1,600	9	11	14
5000K	1,000	1,200	1,600	9	11	14
T8-7-24GC-8XX-DIR						
3500K	870	1,050	1,500	8	9	13
4000K	870	1,050	1,500	8	9	13
5000K	870	1,050	1,500	8	9	13

PLASTIC BALLAST COMPATIBLE

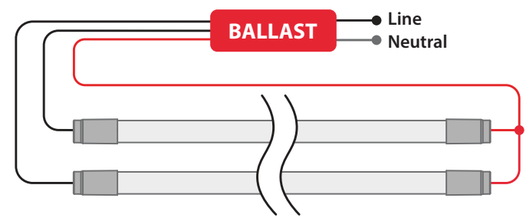
	LUMENS			SYSTEM WATTAGE		
Ballast Factor:	.78	.88	1.18	.78	.88	1.18
T8-12-48P-8XX-DIR						
3000K	1,530	1,690	2,180	14	15	20
3500K	1,540	1,710	2,200	14	15	20
4000K	1,680	1,840	2,400	14	15	20
5000K	1,720	1,900	2,480	14	15	20
T8-15-48P-8XX-DIR						
3000K	1,830	2,035	2,625	16	18	23
3500K	1,850	2,050	2,650	16	18	23
4000K	2,000	2,180	2,870	16	18	23
5000K	2,015	2,200	2,900	16	18	23
T8-6-24P-8XX-DIR						
3000K	725	840	1,030	7	7	9
3500K	740	850	1,045	7	7	9
4000K	810	935	1,130	7	8	9
5000K	820	950	1,160	7	8	9

LINEAR TUBES | Wiring Diagrams

PROSERIES

Type A

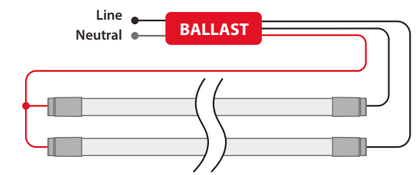
BALLAST COMPATIBLE



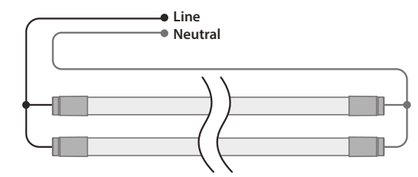
Type A/B Hybrid

BALLAST BYPASS + COMPATIBLE

WITH INSTANT START BALLAST



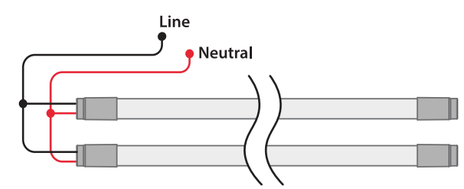
OR DOUBLE-ENDED BALLAST BYPASS



Type B

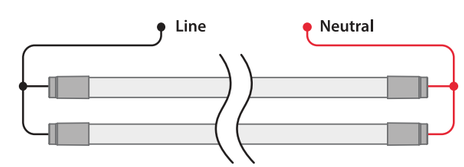
BALLAST BYPASS

SINGLE-ENDED



Non-Shunted Only

OR DOUBLED ENDED, SINGLE+DOUBLE-ENDED

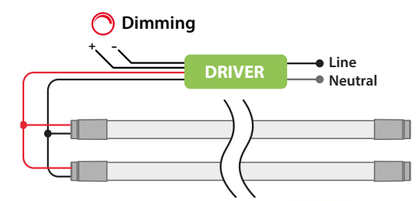


Shunted or Non-Shunted

Type C

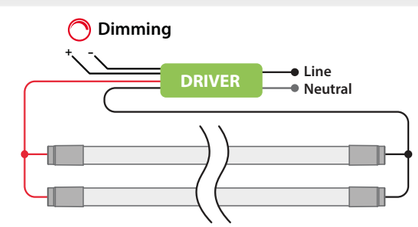
BALLAST REPLACEMENT

SINGLE-ENDED



Non-Shunted Only

OR DOUBLED-ENDED



Shunted or Non-Shunted

Light	The portion of the electromagnetic spectrum between 380nm and 780nm that is capable of producing human visual sensation.
Light Output	The quantity of light emitted from a light source, measured in lumens (lm). Also known as luminous flux.
Light Level	The quantity of light arriving at a surface per unit area, measured in footcandles (fc or lm/ft2) or lux (lx or lm/m2). Also known as illuminance.
Intensity	The quantity of lumens of a light source per unit solid angle in a specific direction, measured in candela (cd). Also known as luminous intensity or candlepower.
Luminance	The intensity of light per unit area in a specific direction, measured in cd/ft2 or cd/m2. Luminance is often associated with "brightness" despite being technically different.
Correlated Color Temperature (CCT)	The color appearance of a reference light source whose color most nearly resembles that of the light source under test, measured in K (or Kelvin).
Color Rendering Index (CRI)	A quantitative measure of the average color shift of 8 standard colors when illuminated by a light source as compared with the color of those same 8 colors when illuminated by a reference source of a similar color temperature. Often referred to as Ra.
Chromaticity Diagram	A diagram formed by plotting one of the three chromaticity coordinates against another. The diagram may be based on the CIE 1931 Standard Observer or on the CIE 1964 supplementary Standard Observer.
Scotopic Vision	Vision produced essentially or exclusively by the rods. It is generally associated with adaptation to a luminance below about 0032 cd/ft2.
Photopic Vision	Vision produced essentially or exclusively by the cones. It is generally associated with adaptation to a luminance of at least 0.32 cd/ft2.
Traditional Light Source	A reference to an incandescent, tungsten-halogen, linear fluorescent, compact fluorescent or HID lamp.
Solid State Light Source	A reference to a LED chip, LED array, LED module, LED driver, LED lamp or LED luminaire.
Luminaire	A complete lighting unit including a lamp, transformer, ballast or driver, reflector, trim, socket, electrical wiring and housing. Often referred to as a light fixture.
Lamp	A common term used for a manufactured light source. Often called a light bulb in the residential market.
Incandescent Lamp	A lamp which produces light by heating a filament to incandescence by an electric current.
Tungsten Halogen Lamp	A tungsten filament lamp containing halogen and inert gases under pressure which heats a filament to incandescence by an electric current. This lamp also utilizes the tungsten halogen regenerative cycle.
High Intensity Discharge (HID) Lamp	An electric discharge lamp which produces light by vaporizing metallic elements in an arc under pressure. HID lamps include mercury, metal halide and high-pressure sodium lamps.
High-pressure Sodium (HPS) Lamp	A high-pressure gas discharge lamp in which light is produced by radiation from sodium and mercury vapors.
Metal Halide Lamp	A high-pressure gas discharge lamp in which light is produced by radiation from mercury and metal halide vapors.
Mercury Lamp	A high-pressure gas discharge lamp in which light is produced by radiation from mercury vapor.
Low Pressure Sodium (LPS) Lamp	A low-pressure gas discharge lamp in which light is produced by radiation from sodium vapor.
Fluorescent Lamp	A low-pressure gas discharge lamp in which light is produced by converting ultraviolet energy generated by a mercury vapor into light by a phosphor coating.
Light Emitting Diode (LED)	A semiconductor device that emits optical radiation when forward biased. The optical radiation may be in the ultraviolet, visible or infrared wavelength regions.
Lamp Efficacy	The ratio of the light output to the total power consumed by a lamp, measured in lm/W or lpw.
Luminaire Efficacy	The ratio of the light output to the total power consumed by a luminaire, measured in lm/W or lpw.
Luminaire Efficiency	The ratio of the light output emitted by a luminaire to the light output emitted by its lamp or light source, measured in percentage or %.
Ballast or LED Driver Efficiency	The ratio of the power delivered to the light source to the power supplied by the utility, measured in percentage or %.

Mean Lumens	The light output of a traditional light source after it has operated for 40% of its average rate life.
Average Rated Life	The average or median time, under normal operating conditions, when 50% of a large group of lamps is expected to still be operating, measured in hours. Also known as rated lamp life.
Lumen Maintenance Life	The point at which the light output of an LED light source reduces to 70% of its initial value and represents the end of a LED's useful life. Also known as L70. Most commonly referred to as LED life or LED lifespan.
Candlepower Distribution	A curve that represents the variation of intensity of a light source in a plane through the light source's center.
Beam Angle	The angle between the two directions for which the intensity is 50% of the maximum intensity (i.e. center beam candlepower) of a light source, measured in degrees.
Field Angle	The angle between the two directions for which the intensity is 10% of the maximum intensity (i.e., center beam candlepower) of a light source, measured in degrees.
Center Beam Candlepower (CBCP)	The intensity at the center of a light source, measured in candelas.
Maximum Overall Length (MOL)	The total length of a light source from the top of the bulb to the end of the base, measured in inches.
Bulb	The outermost enclosure of a lamp which is connected to the base and contains all components of the lamp.
Magnetic Ballast	A low-efficiency, low-frequency ballast that uses a core and coil transformer and potentially a power factor correcting capacitor to operate a gas discharge lamp at 60Hz.
Electronic Ballast	A high-efficiency, high-frequency ballast that uses resistors, capacitors, inductors and potentially an integrated circuit to operate a gas discharge lamp above 20000Hz.
Instant Start (IS) Ballast	A ballast designed to start a lamp using a high initial voltage without preheating of the electrodes and then operate the lamp within its designed limits.
Rapid Start (RS) Ballast	A ballast designed to start a lamp using a high initial voltage while preheating the electrodes and then operate the lamp within its designed limits.
Program Start (PS) Ballast	A ballast designed to start a lamp by first preheating the electrodes followed by a high initial voltage and then operate the lamp within its designed limits. Also known as program rapid start or programmed rapid start.
Ballast	A device used with gas discharge lamps to obtain the necessary electrical conditions (i.e., voltage, current and waveform) to start and operate the lamp.
Ballast Factor (BF)	The ratio of lamp lumens operated on a commercially available ballast compared to the lumens of the same lamp operated on a reference ballast.
Power Factor (PF)	The measure of the effectiveness with which an electrical device converts volt-amperes to watts.
Illuminating Engineering Society of North America (IESNA)	A volunteer organization dedicated to the art and science of lighting. Also know as IES.
American National Standard Institute (ANSI)	The organization that develops voluntary guidelines and produces performance standards for the electrical and other industries.
Energy Star	A program of the Environmental Protection Agency (EPA) which sets specification limits for mostly residential and some commercial lighting products which a utility may use as a criteria to offer a rebate or financial incentive.
DesignLight Consortium (DLC)	An non-profit organization which sets specification limits for mostly commercial and some residential lighting products which a utility may use as a criteria to offer a rebate or financial incentive.
LM-79	A lighting measurement document produced by the IES focused on electrical and photometric measurements of solid-state lighting products. This document applies to LED integrated lamps and luminaires.
LM-80	A lighting measurement document produced by the IES focused on the measurements of the lumen and color maintenance of LED light sources. This document applies to LED packages, arrays and modules.
TM-21	A technical memorandum produced by the IES focused on projecting the long-term lumen maintenance of LED light sources. This incorporates data from LM-80 and luminaire heat tests from the manufacturer to extrapolate the lumen maintenance life or L70 of a LED lighting product.
TM-30	A technical memorandum produced by the IES focused on a method for evaluating light source color rendition. It's an alternative system to CRI of determining the color rendering properties of a light source.

RAB Merchandisers and POP Materials Available.

Gondola Planogram

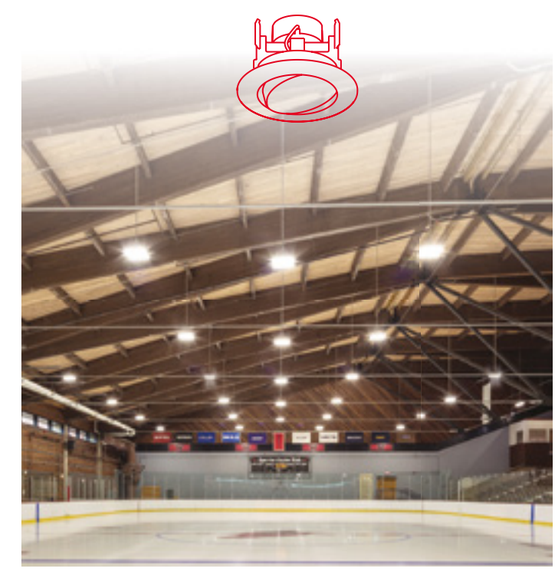
Wire Rack Planogram

Controls

Lamps

Outdoor

Indoor



RAB | Lamps

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