

RETROFIT KITS

Industry Leader in Customization + Lead Times for Over 25 Years



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1.800.537.1629

US Energy Sciences
reflecting technology™

KTS - 2 or 3-Lamp/Troffer/T5/T8

reflect-a-light®

NEW 2x2 & 2x4 SnapKit

One Piece Unit/No Internal Wiring or Socket Brackets

Applications

- Retail
- Offices
- Schools

Benefits

- Simple Install
- Reduce Install Time
- Labor Savings

Features

- ETL Certified
- 5 Year Limited Warranty
- Easier Maintenance

Photometry

PENDING

Design

- One piece assembly
- Includes ballast, brackets and sockets as one unit
- Bracket: includes molded instant start sockets
- Ballast: Fulham 120-277V instant start pre-wired and installed into the bracket
- Sockets: Locking instant start, Circle I rated
- Reflectors: Optional snap in style

4' Components

- 1 Reflector (optional)
- 1 Bracket/Ballast/Socket Assembly
- 1 Bracket with Socket Assembly
- 5 Screws



Pictured:KTS SnapKit 2x4
2x2 Reflector Only Dimensions
22.50" x 19.75"
2x4 Reflector Only Dimensions
43.75" x 19.75"



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp Normal	74	5192
3-lamp Normal	85	6961
4-lamp Normal	111	7920

*Note lamp/ballast information provided from Sylvania based on standard F32 lamp. Other lamp types produce additional energy savings

Kit Ordering Guide Example

KTS-UB04-WA-FLS-H

Series	Lamps	Wattage	Length	Material	Sockets	Ballast Power
KTS	02 - 2 03 - 3	B - T8	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted	H - High N - Normal L - Low 4 - 480 Volt

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KIB - Recessed Direct/Indirect T8

reflect-a-light®

NEW 2x2 & 2x4 Perforated Basket Kit

Universal Fit / Contemporary Appearance / Energy Efficient

Applications

- Standard 15/16" Grid Ceilings
- Retail/Offices
- Schools/Hospitals

Benefits

- Soft and Balanced Lighting
- Low Glare
- Aesthetically Pleasing

Features

- Latch-free Basket
- Quick Installation
- Toolless installation

Photometry

PENDING

Design

- 1, 2, or 3 lamp T8
- Faceted reflector design
- Aluminum components
- 25 year reflector warranty
- Factory installed ballast option
- Sockets: Snap in and twist lock
- Replace lensed or parabolic troffers
- ETL Certified



Pictured: KIB Fully Installed

2x2 Reflector Only Dimensions

22.340" x 23.874" x 3.3113"

2x4 Reflector Only Dimensions

46.782" x 23.874" x 3.3113"

4' Components

- 1 Reflector
- 2 Mounting Bracket
- 2 End Brackets
- 4 Sockets
- 1 Perforated Basket
- 1 Lens
- 1 Access Door
- 1 Quarter Turn
- 2 Latches
- 2 Nylon Nuts
- 2 Pem Studs
- 1 Ballast Bolt
- 1 Nut
- 2 End Bracket Screws
- 2 Mounting Bracket Screws

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 High	75	6961
3-lamp F32 T8 Normal	86	7920
3-lamp F32 T8 High	114	10620

*Note lamp/ballast information provided from Sylvania based on standard F32 lamp. Other lamp types produce additional energy savings

Kit Ordering Guide Example

KIB-UB04-WA-FLS-H

Series	Lamps	Wattage	Length	Material	Sockets	Ballast Power
KIB	U - Universal	B - T8	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted	H - High N - Normal L - Low 4 - 480 Volt

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KIB - Recessed Direct/Indirect T5 2x2 & 2x4 Perforated Basket Kit

reflect-a-light®

Universal Fit / Contemporary Style / Energy Efficient

Applications

- Standard 15/16" Grid Ceilings
- Retail/Offices
- Schools/Hospitals

Benefits

- Soft and Balanced Lighting
- Low Glare
- Aesthetically Pleasing

Features

- Latch-free Basket
- Quick & Easy Installation
- Toolless installation

Photometry

PENDING

Design

- 1 or 2 lamp (T5 only)
- Faceted reflector design
- Aluminum components
- 25 year reflector warranty
- Factory installed ballast option
- Sockets: Snap in and twist lock
- Replace lensed or parabolic troffers
- ETL Certified

4' Components

- 1 Reflector
- 2 Mounting Bracket
- 2 End Brackets
- 4 Sockets
- 1 Perforated Basket
- 1 Lens
- 1 Access Door
- 1 Quarter Turn
- 2 Latches
- 2 Nylon Nuts
- 2 Pem Studs
- 1 Ballast Bolt
- 1 Nut
- 2 End Bracket Screws
- 2 Mounting Bracket Screws



Pictured: KIB Fully Installed

2x2 Reflector Only Dimensions

22.340" x 23.874" x 3.3113"

2x4 Reflector Only Dimensions

46.782" x 23.874" x 3.3113"

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
1-lamp F54 T5	62/60	5000
2-lamp F54 T5	121/118	10000
3-lamp F54 T5	182/178	15000
1-lamp F28 T5	31	2900
2-lamp F28 T5	62/61	5800
1-lamp F24 T5	29/27	2000
2-lamp F24 T5	55/52	4000
1-lamp F14 T5	17	1350
2-lamp F14 T5	32	2700

*Note lamp/ballast information provided from Sylvania based on standard F32 lamp. Other lamp types produce additional energy savings

Kit Ordering Guide Example

KIB-UC04-WA-FLN-H

Series	Lamps	Wattage	Length	Material	Sockets	Ballast Power
KIB	U - Universal	C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - N/A FLN - Non Shunted	H - High N - Normal L - Low 4 - 480 Volt

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Universal Fit / High Speed Production / Quicker Install

Applications

- Retail
- Offices
- Schools



Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACT and Utility Rebates

Features

- Toolless Ballast Access
- 25 Year Reflector Warranty
- ETL Certified

Photometry

- 2-lamp 2x4 T8 - KTC-02B04-EA
- Efficiency: 92.1%
- 0-DEG: 1.2
- 90-DEG: 1.0
- Report Number: 17684

Design

- Reflector Dimensions: 45.50" x 20.63" x 1.75"
- Reflectors produced on high speed roll form for consistent high quality
- Snap-in reflector design
- Brackets are universal with multiple mounting options
- Sockets snap in, twist locking and ETL Certified
- Innovative wirewayless feature



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KTC-02B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTC	02 -2	B - T8 C - T5	02 - 2 Feet 04 - 4 Feet	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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Adjustable Bracket/Universal Lamps/Low Ceilings

Applications

- Warehouses
- Aisles
- Retail

Benefits

- Increase Efficiency
- Up to 90% Energy Savings
- EPACK and Utility Rebates

Features

- Toolless Ballast Access
- 25 Year Reflector Warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KSL-02B04-SA
- Efficiency: 92.1%
- 0-DEG: 1.2
- 90-DEG: 1.7
- Report Number: 1389

Design

- Reflector Dimensions: 48.00" x 8.50" x 0.50"
- Reflectors produced on high speed roll form for consistent high quality
- Adjustable channel width bracket for 4" - 5" kits
- One-piece adjustable center bracket for 1, 2, or 3 lamps
- Quarter turn reflector design
- Sockets snap-in, twist-lock and ETL Certified

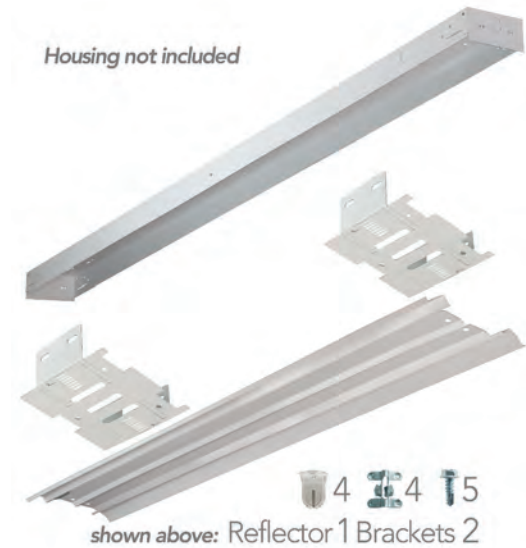
4' Components

- 1 Reflector
- 2 Brackets
- 4 Sockets
- 4 Quarter Turns
- 5 Tek Screws

Kit Ordering Guide Example

KSL-UB04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSL	U - Universal	B - T8	02 - 2'	EA - 95% Enhanced Alum.	FLS - Shunted
		C - T5	03 - 3'	SA - 86% Specular Alum.	FLN - Non Shunted
			04 - 4'	WA - 91% White Alum.	
			06 - 6'		
			08 - 8'		



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

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Adjustable Bracket/Universal Lamps/High Ceilings

Applications

- Warehouses
- Aisles
- Retail

Benefits

- Increase Efficiency
- Up to 90% Energy Savings
- EPACT and Utility Rebates

Features

- Toolless Ballast Access
- 25 Year Reflector Warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KSH-02B04-SA
- Efficiency: 92.5%
- 0-DEG: 1.3
- 90-DEG: 1.2
- Report Number: 1654

Design

- Reflector Dimensions: 48.00" x 10.25" x 1.50"
- Reflectors produced on high speed roll form for consistent high quality
- Adjustable channel width bracket for 4" - 5" kits
- One-piece adjustable center bracket for 1, 2, or 3 lamps
- Quarter turn reflector design
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KSH-UB04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSH	U - Universal	B - T8	02 - 2'	EA - 95% Enhanced Alum.	FLS - Shunted
		C - T5	03 - 3'	SA - 86% Specular Alum.	FLN - Non Shunted
			04 - 4'	WA - 91% White Alum.	
			06 - 6'		
			08 - 8'		

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Adjustable Bracket/Universal Lamps/Very Low Ceilings

Applications

- Warehouses
- Aisles
- Retail

Benefits

- Increase Efficiency
- Up to 90% Energy Savings
- EPACK and Utility Rebates

Features

- Toolless Ballast Access
- 25 Year Reflector Warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KSS-02B04-SA
- Efficiency: 92.5%
- 0-DEG: 1.3
- 90-DEG: 1.2
- Report Number: 1654

Design

- Reflector Dimensions: 47.86" x 6.00" x 0.50"
- Reflectors produced on high speed roll form for consistent high quality
- Adjustable channel width bracket for 4" - 5" kits
- One-piece adjustable center bracket for 1, 2, or 3 lamps
- Quarter turn reflector design
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KSS-UB04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSS	U - Universal	B - T8	02 - 2'	EA - 95% Enhanced Alum.	FLS - Shunted
		C - T5	03 - 3'	SA - 86% Specular Alum.	FLN - Non Shunted
			04 - 4'	WA - 91% White Alum.	
			06 - 6'		
			08 - 8'		

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US Energy Sciences
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Reduce Lamps/High Performance/Energy Efficient

Applications

- Offices
- Hallways
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KWN-02B04-SA
- Efficiency: 88.8%
- 0-DEG: 1.2
- 90-DEG: 0.9
- Report Number: 1660

Design

- Reflector Dimensions: 47.88" x 7.38" x 0.63"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Brackets produced from .032 aluminum
- Sockets snap in twist locking and ETL Certified



Note: Housing not included

4 2 16

Reflector 1 Brackets 2
shown above

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KWN-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KWN	01 - 1	B - T8	02 - 2 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	02 - 2	C - T5	04 - 4 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
	04 - 4		08 - 8 Feet	WA - 91% White Alum.	

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- Hallways
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KWM-02B04-SA
- Efficiency: 88.8%
- 0-DEG: 1.2
- 90-DEG: 0.9
- Report Number: 1660

Design

- Reflector Dimensions: 48.00" x 9.00" x 1.50"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Brackets produced from .032 aluminum
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KWM-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KWM	01 - 1	B - T8	02 - 2 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	02 - 2	C - T5	04 - 4 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
	04 - 4		08 - 8 Feet	WA - 91% White Alum.	

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Reduce Lamps/High Performance /Energy Efficient

Applications

- Offices
- Hallways
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KWW-02B04-SA
- Efficiency: 83.5%
- 0-DEG: 1.2
- 90-DEG: 0.9
- Report Number: 3783

Design

- Reflector Dimensions: 47.00" x 12.75" x 1.50"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Brackets produced from .032 aluminum
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KWW-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KWW	01 - 1	B - T8	02 - 2 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	02 - 2	C - T5	04 - 4 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
	04 - 4		08 - 8 Feet	WA - 91% White Alum.	

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Reduce Lamps/High Performance/Energy Efficient

Applications

- Offices
- Retail
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACT and utility rebates

Features

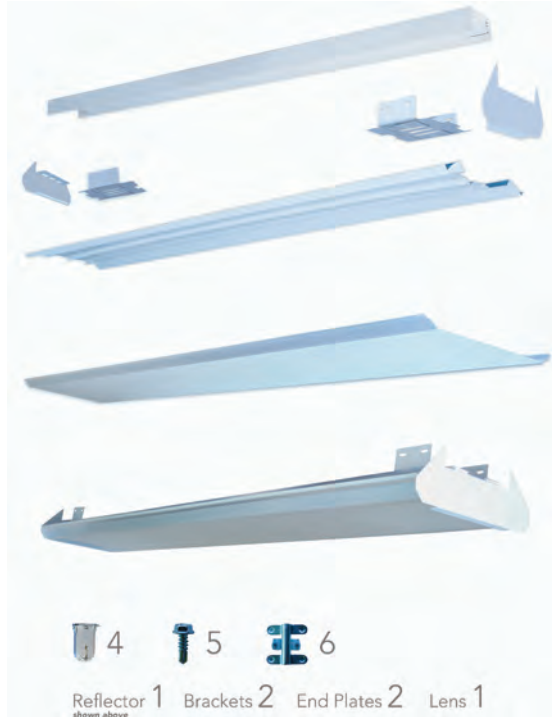
- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 4' T8 - KSW-02B04-SA
- Efficiency: 81.1%
- 0-DEG: 1.3
- 90-DEG: 1.4
- Report Number: 01659

Design

- Reflector Dimensions: 47.88" x 8.50" x 0.50"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Brackets produced from .032 aluminum
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KSW-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSW	02 - 2	B - T8	02 - 2 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	04 - 4	C - T5	04 - 4 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
			08 - 8 Feet	WA - 91% White Alum.	

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Strip Kit

Aisles/Industrial/HID Replacements

Applications

- Warehouse
- Aisles
- Distribution

Benefits

- Increase efficiency
- Up to 90% energy savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 3-lamp 4' T8 - KSM-03B04-EA
- Efficiency: 87.7%
- 0-DEG: 1.2
- 90-DEG: 0.9
- Report Number: 3778

Design

- Reflector Dimensions: 48.25" x 10.25" x 1.00"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
3-lamp F32 T8 Normal	81	7699
3-lamp F32 T8 Low	74	6902
3-lamp F32 T8 High	108	10177
3-lamp F28 T8 HE/Normal	71	6981
3-lamp F28 T8 HE/Low	64	6179
3-lamp F28 T8 HE/High	95	9469

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KSM-03B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSM	03 - 3 06 - 6	B - T8 C - T5	04 - 4 Feet 08 - 8 Feet	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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Aisles/Industrial/HID Replacements

Applications

- Warehouse
- Aisles
- Distribution

Benefits

- Increase efficiency
- Up to 90% energy savings
- EPACT and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 4-lamp 4' T5 - KSP-04C04-SA
- Efficiency: 101.6%
- 0-DEG: 1.2
- 90-DEG: 1.0
- Report Number: 06971

Design

- Reflector Dimensions: 48.25" x 13.63" x 1.50"
- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
4-lamp F32 T8 Normal	113	10384
4-lamp F32 T8 Low	102	9440
4-lamp F32 T8 High	146	13923
4-lamp F28 T8 HE/Normal	94	9309
4-lamp F28 T8 HE/Low	86	8239
4-lamp F28 T8 HE/High	127	12625

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KSP-04C04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KSP	04 - 4	B - T8	04 - 4 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	08 - 8	C - T5	08 - 8 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
				WA - 91% White Alum.	

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1x4 Wide Kit

Wide / 1/2" - 2" Height Brackets Available

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 50% energy savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 1x4 T8 - KTR-02B04-SA
- Efficiency: 73.6%
- 0-DEG: 1.3
- 90-DEG: 1.1
- Report Number: 1333

Design

- Reflectors produced on CNC forming brake
- Quarter turn reflector design
- Brackets from 1/2" - 2" height options
- Sockets snap in twist locking and ETL Certified

4' Components

- 1 Reflector
- 2 Brackets*
- 2 or 4 Sockets
- 4 Quarter Turns
- 5 Tek Screws

*Standard bracket heights is 1 3/4" unless specified



Pictured: KTR Reflector
KTR Reflector Only Dimensions
46.50" x 9.25" x 1.50"

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KTR-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTR	01 - 1 02 - 2	B - T8 C - T5	02 - 2 Feet 04 - 4 Feet	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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1x4 Narrow Kit

Narrow/1/2" - 2" Height Brackets Available

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 50% energy savings
- EPACT and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 1-lamp 1X4 T8 - KTN-01B04-SA
- Efficiency: 70.6%
- 0-DEG: 1.2
- 90-DEG: 1.2
- Report Number: 03791

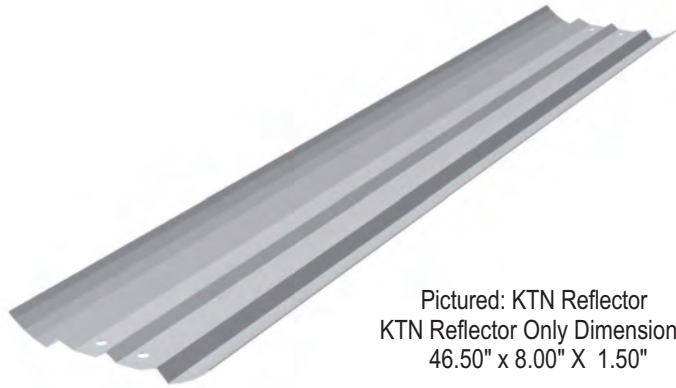
Design

- Reflectors produced on high speed roll form for consistent high quality
- Quarter turn reflector design
- Brackets from 1/2" - 2" height options
- Quarter turn reflector design
- Sockets snap in twist locking and ETL Certified

4' Components

- 1 Reflector
- 2 Brackets*
- 2 or 4 Sockets
- 4 Quarter Turns
- 5 Tek Screws

*Standard bracket heights is 1 3/4" unless specified



Pictured: KTN Reflector
KTN Reflector Only Dimensions
46.50" x 8.00" X 1.50"

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KTN-02B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTN	01 - 1	B - T8	02 - 2 Feet	EA - 95% Enhanced Alum.	FLS - Shunted
	02 - 2	C - T5	04 - 4 Feet	SA - 86% Specular Alum.	FLN - Non Shunted
				WA - 91% White Alum.	

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Universal Fit/High Speed Production/Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Increase efficiency
- Higher lumen maintenance

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- PENDING

Design

- Reflector Dimensions: 45.50" x 21.75" x 1.19"
- Reflectors produced on high speed roll form for consistent high quality
- Snap-in reflector/quarter turn design
- Brackets produced from .032 aluminum
- Sockets snap in twist locking and ETL Certified

4' Components

- 1 Reflector
- 2 Brackets
- 8 Sockets
- 4 Quarter Turns
- 5 Tek Screws



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
4-lamp F32 T8 Normal	113	10384
4-lamp F32 T8 Low	102	9440
4-lamp F32 T8 High	146	13923
4-lamp F28 T8 HE/Normal	94	9309
4-lamp F28 T8 HE/Low	86	8239
4-lamp F28 T8 HE/High	127	12625

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECCO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECCO lamps

Kit Ordering Guide Example

KTK-04B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTK	04 - 4	B - T8 C - T5	02 - 2 Feet 04 - 4 Feet	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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KPG - 2-Lamp/18 Cell/Parabolic/T5/T8

2x2 & 2x4 Kit

reflect-a-light®

Universal Fit / High Speed Production / Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACKT and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- PENDING

Design

- Reflector Dimensions: 45.50" x 21.00" x 2.00"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KPG-02B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KPG	02 - 2 Lamps	B - T8 C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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Universal Fit / High Speed Production / Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 2-lamp 2x4 T8 - KPH-02B04-EA
- Efficiency: 75.1%
- 0-DEG: 1.1
- 90-DEG: 0.6
- Report Number: 01367

Design

- Reflector Dimensions: 45.50" x 21.25" x 2.50"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified



Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
2-lamp F32 T8 Normal	57	5192
2-lamp F32 T8 Low	51	4602
2-lamp F32 T8 High	75	6961
2-lamp F28 T8 HE/Normal	49	4654
2-lamp F28 T8 HE/Low	43	4119
2-lamp F28 T8 HE/High	66	6152

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KPH-02B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KPH	02 - 2 Lamps	B - T8 C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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KTD - 3-Lamp/Troffer/Prismatic/T5/T8

2x2 & 2x4 Narrow Kit

reflect-a-light®

Universal Fit / High Speed Production / Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACKT and utility rebates

Features

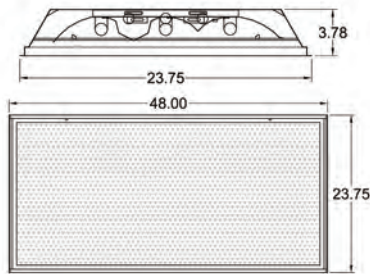
- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- PENDING

Design

- Reflector Dimensions: 46.25" x 19.13" x 1.75"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified



Housing not included



shown above: Reflector 1 Brackets 2

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
3-lamp F32 T8 Normal	81	7699
3-lamp F32 T8 Low	74	6902
3-lamp F32 T8 High	108	10177
3-lamp F28 T8 HE/Normal	71	6981
3-lamp F28 T8 HE/Low	64	6179
3-lamp F28 T8 HE/High	95	9469

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KTD-03B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTD	03 - 3 Lamps	B - T8 C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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KTA - 3-Lamp/Troffer/Prismatic/T5/T8

reflect-a-light®

2x2 & 2x4 Wide Kit

Universal Fit / High Speed Production / Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

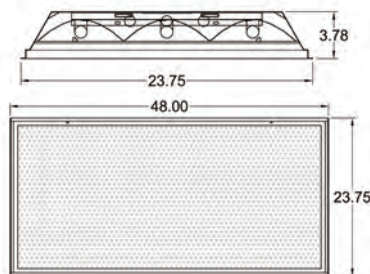
- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 3-lamp 2x4 T8 - KTA-03B04-SA
- Efficiency: 73.3%
- 0-DEG: 1.2
- 90-DEG: 1.1
- Report Number: 03675

Design

- Reflector Dimensions: 45.50" x 21.00" x 1.75"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified



Kit Ordering Guide Example

KTA-03B04-SA-FLS

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
3-lamp F32 T8 Normal	81	7699
3-lamp F32 T8 Low	74	6902
3-lamp F32 T8 High	108	10177
3-lamp F28 T8 HE/Normal	71	6981
3-lamp F28 T8 HE/Low	64	6179
3-lamp F28 T8 HE/High	95	9469

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Series	Lamps	Wattage	Length	Material	Sockets
KTA	03 - 3 Lamps	B - T8 C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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KPB - 3-Lamp/18 Cell/Parabolic/T5/T8 2x2 & 2x4 Kit

reflect-a-light®

Universal Fit / High Speed Production / Quick Install

Applications

- Retail
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACK and utility rebates

Features

- Toolless ballast access
- 25 year reflector warranty
- ETL Certified

Photometry

- 3-lamp 2x4 T8 - KPB-03B04-SA
- Efficiency: 73.6%
- 0-DEG: 1.3
- 90-DEG: 1.1
- Report Number: 0133

Design

- Reflector Dimensions: 45.50" x 21.50" x 1.50"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified

Housing not included



shown above: Reflector 1 Brackets 2

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
3-lamp F32 T8 Normal	81	7699
3-lamp F32 T8 Low	74	6902
3-lamp F32 T8 High	108	10177
3-lamp F28 T8 HE/Normal	71	6981
3-lamp F28 T8 HE/Low	64	6179
3-lamp F28 T8 HE/High	95	9469

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Kit Ordering Guide Example

KPB-03B04-SA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KPB	03 - 3 Lamps	B - T8 C - T5	02 - 2' 04 - 4'	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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Universal Fit / High Speed Production / Quicker Install

Applications

- Hallways
- Offices
- Schools

Benefits

- Ideal Photometry
- Up to 70% Energy Savings
- EPACT and Utility Rebates

Features

- Toolless Ballast Access
- 25 Year Reflector Warranty
- ETL Certified

Photometry

- Pending

Design

- Reflector Dimensions: 44" x 22.25" x 3.031"
- Reflectors produced on CNC forming brake
- Snap-in reflector design
- Brackets are universal, with multiple mounting options
- Sockets snap in twist locking and ETL Certified

Existing Fixture	Input Watts	System Lumens
4-lamp F40 T12	192	9120
2-lamp F40 T12	96	4560
4-lamp F34 T12	144	7930
2-lamp F34 T12	72	3960
Retrofit Options	Input Watts	System Lumens
1-lamp F32 T8 Normal	28	2950
1-lamp F32 T8 High	41	3600
1-lamp F28 T8 HE/Low	25	2340
1-lamp F28 T8 HE/High	38	3600
1-lamp F28 T5 Normal	26	2900

*Lamp/ballast information provided from GE based on Proline ballast and F32T8/SPX41/ECO lamps. High efficient system based on GE Ultra Max ballast and F28T8/SPX41/ECO lamps

Housing not included



T8 or T5 sockets are included.
Picture above shows 16" brackets, and are currently being redesigned at 12".

Kit Ordering Guide Example

KTM-01B04-EA-FLS

Series	Lamps	Wattage	Length	Material	Sockets
KTM	01 -1	B - T8 C - T5	02 - 2 Feet 04 - 4 Feet	EA - 95% Enhanced Alum. SA - 86% Specular Alum. WA - 91% White Alum.	FLS - Shunted FLN - Non Shunted

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KID - Induction Kit

For 16", 22", & 25" Acrylic Refractors

reflect-a-light®

Superior Visual Acuity/Thermal Management/Optical Performance

Application

- Warehouses
- Gymnasiums
- Replaces 250-400W HID's

Benefits

- 100,000 hour lamp
- 50% energy savings over HID
- Improved lumen maintenance

Features

- Reflector option
- Thermally tested
- Easy install

Photometry

- 22" 150W w/ Reflector, no lens
- Efficiency: 94.0%
- 0-180°: 1.28
- 90-270°: 1.28
- Report Number: LM-63-2002

Design

- Standard junction box
- Disc generator and mount
- Collar mount plate
- Lamp bracket
- Lamp included
- Bottom lens option
- Input voltage: 120V-277V
- Input frequency: 50/60Hz
- Output frequency: 250kHz
- THD: < 10%
- Power factor: > 95%
- Case temp: < 65°C
- Operating temp open fixture: 0°C - 50°C
- Operating temp closed fixture: -20°C - 50°C
- Surge protection
- 5-year warranty



Wattage/Lumens Chart		
Kits		
Fixture Config.	Input Watts	System Lumens
1-lamp Induction	74	4,900
1-lamp Induction	84	6,000
1-lamp Induction	105	7,500
1-lamp Induction	126	9,000
1-lamp Induction	158	12,000
1-lamp Induction	210	16,000
1-lamp Induction	263	21,250
1-lamp Induction	315	25,500

Fixture Ordering Guide Example

KID-011522-EA2

Series	Lamps	Wattage	Width	Material	Sockets	Power
KID	01 - 1 Lamp	70 - 70 W Ind. 80 - 80 W Ind. 10 - 100 W Ind. 12 - 120 W Ind. 15 - 150 W Ind. 20 - 200 W Ind. 25 - 250 W Ind. 30 - 300 W Ind.	16 - 16" 22 - 22" 25 - 25"	EA - Enhanced Alum.	N/A	1 - 120 2 - 277

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