

LUNERA LAMP SPEC FINDER

April 2017

LUNERA®







SELECT A LAMP TYPE:		Types		CUT SHEETS/INSTALL GUIDES:
<u>CFL / PL-L</u>	(Pin-based)	Types A and B	p. 3	https://www.lunera.com/cfl-led-lamps
<u>T8 (T12) Linear</u>	(Single & Double Ended)	Types A and B	p. 4	https://www.lunera.com/linear-led-lamps
<u>T8 U-Bend</u>		Types A and B	p. 5	https://www.lunera.com/linear-led-lamps
<u>T5HO (T5) Linear</u>		Types A and B	p. 6	https://www.lunera.com/linear-led-lamps
<u>T8 / T5HO Retrofit Kits</u>		Type C	p. 7	
<u>Metal Halide and High Pressure Sodium</u>	(Vertically Mounted)	Types A and B	p. 8	https://www.lunera.com/emo-hid-led-lamp
<u>Metal Halide or High Pressure Sodium (No-Fan)</u>	(Vertically Mounted, No-Fan)	Type A	p. 9	https://www.lunera.com/emo-hid-led-lamp
<u>Metal Halide or High Pressure Sodium</u>	(Horizontally Mounted)	Type A	p. 10	https://www.lunera.com/emo-hid-led-lamp
<u>Metal Halide and High Pressure Sodium</u>	(Post Top)	Types A and B	p. 11	https://www.lunera.com/emo-hid-led-lamp
<u>Metal Halide and High Pressure Sodium Retrofit Kit</u>	(Vertically Mounted)	Type B	p. 12	https://www.lunera.com/products/lunera-mh-led-lamp-

RESOURCES:

- Find a Rep <https://www.lunera.com/find-office-agent>
- Locate a Distributor <https://www.lunera.com/buy>
- Contact Lunera <https://www.lunera.com/contact>
- Technical Support <http://bit.ly/lunera-techsupport>
- Turnkey Lighting as a Service <https://www.lunera.com/lighting-as-a-service>

CLICK A PRODUCT TITLE TO GET THE FULL CUT SHEET / SKU >>

- Lunera CFL LED G24q
- Lunera CFL LED G24d
- Lunera CFL LED GX23
- Lunera PLL LED 2G11

Replaces	Equivalent Lamp Type	CFL		CFL		CFL		PLL	
	Socket	4-Pin G24q		2-Pin G24d		2-pin GX23		4-Pin G11	
	Equivalent Wattage	42/32/26/18W		26/18W		13W		55/40/36W	
	Dimmable <small>If yes, for Ballast Driven only installation, depending on ballast.</small>	Yes		No		Yes		No	
Energy	Power Source	Ballast Driven		Ballast Driven		Ballast Driven		Ballast Bypassed	
	Lamp Wattage (W)	11W		13W		5W		22W	
Light	Light Source	LED		LED		LED		LED	
	Lamp Mount / Light Direction	Vertical	Horizontal	Vertical	Horizontal	Vertical or Horizontal		Vertical or Horizontal	
									
	Lamp Max Lumens (lm)	1,350	1,445	950	1,000	580		2,600	
	CCT (K)	2700 / 3000 / 3500 / 4000		2700 / 3000 / 3500 / 4000		2700 / 3000 / 3500 / 4000		2700 / 3000 / 3500 / 4000	
Physical	Height (in.)	5.17	4.53	5.17	4.53	6.01		22.4	
	Width (in.)	1.38	2.36	1.38	2.36	1.28		1.71	
	Depth (in.)	1.38	2.01	1.38	2.01	0.82		0.68	
	Weight (lbs.)	0.25	0.25	0.25	0.25	0.10		0.35	
Features	DLC Listed	Yes, DLC 4.1		No Category		No Category		No Category	
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No		No		No		No	

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CLICK A PRODUCT TITLE TO GET THE FULL CUT SHEET / SKU >>

Lunera T8 LED 2Ft

Lunera T8 LED 3Ft

Lunera T8 LED 4Ft

Lunera T8 LED 8Ft

Replacing a T12 Lamp using the Lunera T8 LED 8Ft Lamp with a T8 Ballast

Replaces	Equivalent Lamp Type	T8 Linear		T8 Linear		T8 Linear		T8 Linear		T8 Linear		T12 Linear (using T8 lamp / ballast)		T12 Linear (using T8 lamp / ballast)	
	Equivalent Wattage	20/17/15W		30/25/21W		32/30/28/25W		54/59/60/75W		54/59/60/75W		54/59/60/75W		54/59/60/75W	
	Socket	2-Pin G13		2-Pin G13		2-Pin G13		2-Pin R17d		1-Pin Fa8		2-Pin R17d		1-Pin Fa8	
	Dimmable <small>* If yes, for Ballast Driven only installation, depending on ballast.</small>	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

Energy	Power Source	Ballast Driven	Single/Double Ended Ballast Bypassed	Ballast Driven	Single/Double Ended Ballast Bypassed	Ballast Driven	Single/Double Ended Ballast Bypassed	Ballast Driven	Double Ended Ballast Bypassed	Ballast Driven	Double Ended Ballast Bypassed	Ballast Driven	Double Ended Ballast Bypassed	Ballast Driven	Double Ended Ballast Bypassed
	Socket Wiring	Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)		Shunted or Un-Shunted (Universal Tombstone Tech)	
	Lamp Wattage (W)	8W	9W	11W	12W	11W 15W	14W 15W 17W	42W (5.5Klm)	43W (5.5Klm)	24W (3.5Klm) 33W (4.4Klm)	43W (5.5Klm)	42W (5.5Klm)	43W (5.5Klm)	24W (3.5Klm) 33W (4.4Klm)	43W (5.5Klm)

Light	Light Source	LED		LED		LED		LED		LED		LED		LED	
	Tube Length	2Ft		3Ft		4Ft		8Ft		8Ft		8Ft		8Ft	
	Beam Angle / Beam Spread	230° / 330°		230° / 330°		230° / 330°		230° / 330°		230° / 330°		230° / 330°		230° / 330°	
	Lamp Max Lumens (lm)	1,200	1,150 (9W) 1,200 (9W)	1,400	1,800 (11W) 2,200 (15W)	1,800 (14W) 1,800 (15W) 2,200 (17W)	5,500lm (42W)	5,500lm (43W)	24W (3.5Klm) 33W (4.4Klm)	5,500lm (43W)	5,500lm (42W)	5,500lm (43W)	24W (3.5Klm) 33W (4.4Klm)	5,500lm (43W)	
	CCT (K)	3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000	
	Tube Material	Glass with Toughened Ends		Glass with Toughened Ends		Glass with Toughened Ends		Glass with Toughened Ends		Glass with Toughened Ends		Glass with Toughened Ends		Glass with Toughened Ends	

Physical	Length (in.)	47.72		35.75		23.70		93.74		93.74		93.74		93.74	
	Diameter (in.)	1.00		1.00		1.00		0.94		0.94		0.94		0.94	
	Width (in.)	---		---		---		---		---		---		---	
	Weight (lbs.)	0.75		0.75		0.75		0.90		0.90		0.90		0.90	

Features	DLC Listed	Yes, DLC 4.1	Yes, DLC 4.1	No Category		Yes, DLC 4.1	Yes, DLC 4.1	No Category		No Category		No Category		No Category	
	Universal Tombstone Technology (Double Ended)	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
	Thermal Fuse <small>* If yes, verify availability on cut sheet.</small>	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
	P.E.T. Shatter Guard Glass	Yes, Option	No	Yes, Option	No	Yes, Option	No	Yes, Included	No	Yes, Included	No	Yes, Included	No	Yes, Included	No
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes



CLICK A PRODUCT TITLE TO GET THE FULL CUT SHEET / SKU >>

Lunera T8 LED U-Bend 6" Gap

Lunera T8 LED U-Bend 1-5/8" Gap

Replaces	Equivalent Lamp Type	T8 U-Bend		T8 U-Bend	
	Equivalent Wattage	32/31/29/28/25W		32/31/29/28/25W	
	Socket	2-Pin G13		2-Pin G13	
	Dimmable <small>If yes, for Ballast Driven only installation, depending on ballast.</small>	Yes	No	Yes	No

Energy	Power Source	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed
	Socket Wiring	Shunted or Un-Shunted	Shunted Only	Shunted or Un-Shunted	Shunted Only
	Lamp Wattage (W)	12W 15W	15W 18W	12W 17W	15W 18W

Light	Light Source	LED		LED	
	Tube Length	22in		22in	
					
	Beam Angle / Beam Spread	230° / 330°		230° / 330°	
	Lamp Max Lumens (lm)	1,800 (12W) 2,200 (15W)	1,800 (15W) 2,200 (18W)	1,700 (12W) 2,100 (17W)	1,700 (15W) 2,100 (18W)
	CCT (K)	3000 / 3500 / 4000 / 5000		3000 / 3500 / 4000 / 5000	

Physical	Tube Material	Glass with Toughened Ends		Glass with Toughened Ends	
	Tube Gap	6in		1-5/8in.	
	Length (in.)	22.40		22.40	
	Diameter (in.)	0.97		0.97	
	Width (in.)	6.00		1.61	
	Weight (lbs.)	0.50		0.50	


Features	DLC Listed	DLC 4.1 (Pending)	Yes, DLC 4.1	No Category	
	Universal Tombstone Technology (Double Ended)	No		No	
	Thermal Fuse <small>* If yes, verify availability on cut sheet.</small>	Yes	No	Yes	No
	P.E.T. Shatter Guard Glass	No		No	
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	Yes	No	Yes

CLICK A PRODUCT TITLE TO GET THE FULL CUT SHEET / SKU >>





Lunera T5HO 2Ft

Lunera T5HO 4Ft

Replacing a 4Ft T5 Lamp using the Lunera T5HO LED 4Ft with a T5 Ballast

Replaces		T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
Replaces	Equivalent Lamp Type	T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
	Equivalent Wattage	22W	54W	28W
	Socket	2-Pin G5	2-Pin G5	2-Pin G5
	Dimmable <small>If yes, for Ballast Driven only instalation, depending on ballast.</small>	No	No	No
Energy		T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
Energy	Power Source	Ballast Driven	Ballast Driven	Ballast Driven
	Socket Wiring	Shunted or Un-Shunted	Shunted or Un-Shunted	Shunted or Un-Shunted
	Lamp Wattage (W)	11W	25W	11W
Light		T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
Light	Light Source	LED	LED	LED
	Tube Length	2Ft 	4Ft 	4Ft 
	Beam Angle / Beam Spread	230° / 330°	230° / 330°	230° / 330°
	Lamp Max Lumens (lm)	1,400	3,500	1,300
	CCT (K)	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000
Physical		T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
Physical	Tube Material	Glass with Toughened Ends	Glass with Toughened Ends	Glass with Toughened Ends
	Tube Gap	---	---	---
	Length (in.)	23.79	45.80	45.80
	Diameter (in.)	0.62	0.62	0.62
	Width (in.)	---	---	---
	Weight (lbs.)	0.25	0.25	0.25
Features		T5HO Linear	T5HO Linear	T5 Linear (using T5HO lamp/T5 Ballast)
Features	DLC Listed	No	Yes, DLC 4.1	Yes, DLC 4.1
	Universal Tombstone Technology <small>(Double Ended)</small>	No	No	No
	Thermal Fuse <small>* If yes, verify availability on cut sheet.</small>	Yes	Yes	Yes
	P.E.T. Shatter Guard Glass	No	No	No
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	No	No

CLICK A PRODUCT TITLE TO GET THE FULL CUT SHEET / SKU >>

	Lunera T8 4Ft 4-Lamps + Driver	Lunera T8 4Ft 2-Lamps + Driver	Lunera T8 2Ft 4-Lamps + Driver	Lunera T8 2Ft 2-Lamps + Driver	Lunera T5HO 4Ft 2-Lamps + Driver	
Replaces	Equivalent Lamp Type	T8 Linear (x4)	T8 Linear (x4)	T8 Linear (x4)	T5HO Linear (x2)	
	Equivalent Wattage Replaced	128W	64W	88W	44W	108W
	Socket	2-Pin G13	2-Pin G13	2-Pin G13	2-Pin G13	2-Pin G5
	Dimmable	Yes	Yes	Yes	Yes	No
Energy	Power Source	External LED Driver	External LED Driver	External LED Driver	External LED Driver	External LED Driver
	Socket Wiring	Shunted or Un-Shunted	Shunted or Un-Shunted	Shunted or Un-Shunted	Shunted or Un-Shunted	Shunted or Un-Shunted
	Lamp Kit Wattage (W)	48W 60W	24W 30W	32W	16W	50W
Light	Light Source	LED	LED	LED	LED	LED
	Tube Length	4Ft 	4Ft 	2Ft 	2Ft 	4Ft 
	Beam Angle / Beam Spread	230° / 330°	230° / 330°	230° / 330°	230° / 330°	230° / 330°
	Lamp Max Lumens (lm)	7,200 8,800	4,400 3,600	4,800	2,400	7,000
	CCT (K)	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000	3000 / 3500 / 4000 / 5000
Physical	Tube Material	Glass with Toughened Ends	Glass with Toughened Ends	Glass with Toughened Ends	Glass with Toughened Ends	Glass with Toughened Ends
	Tube Gap	---	---	---	---	---
	Length (in.)	23.79	45.80	45.80	45.80	45.80
	Diameter (in.)	0.62	0.62	0.62	0.62	0.62
	Width (in.)	---	---	---	---	---
	Weight (lbs.)	0.25	0.25	0.25	0.25	0.25
Features	DLC Listed	DLC 4.1 (Pending)	Yes, DLC 4.1	DLC 4.1 (Pending)	Yes, DLC 4.1	Yes, DLC 4.1
	Universal Tombstone Technology (Double Ended)	---	---	---	---	---
	Thermal Fuse	---	---	---	---	---
	P.E.T. Shatter Guard Glass	---	---	---	---	---
	Integrated Sensors	---	---	---	---	---

METAL HALIDE / HIGH PRESSURE SODIUM REPLACEMENT LAMPS VERTICAL

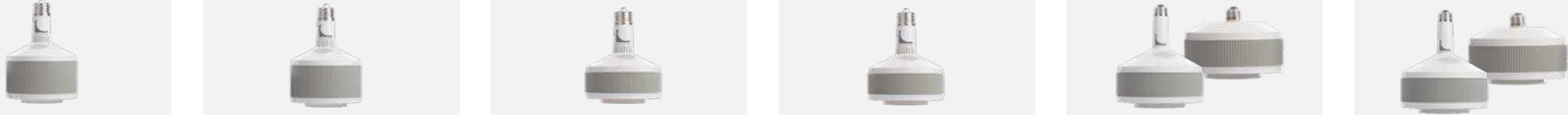






LED REPLACEMENT LAMP SPEC FINDER

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Lunera HID Vertical - Mogul E39



Lunera HID Vertical - Medium E26

Replaces	Equivalent Lamp Type	Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium			
	Equivalent Wattage	400W		400/320/310/250W		250/175/150/100/70W		175/150/100/70W		250/175/150/100/70W		175/150/100/70W	
	Socket	Mogul E39		Mogul E39		Mogul E39		Mogul E39		Medium E26		Medium E26	
	Dimmable <small>If yes, for Ballast Driven only installation, depending on ballast.</small>	No		No		No		No		No		No	
Energy	Power Source	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed
	Lamp Wattage (W)	207W		164W		95W		54W		95W		54W	
Light	Light Source	LED		LED		LED		LED		LED		LED	
	Lamp Mount / Light Direction	Vertical		Vertical		Vertical		Vertical		Vertical		Vertical	
													
	Lamp Max Lumens (lm)	21,300		17,900		9,900		5,700		9,900		5,700	
	CCT (K)	3500 / 4000 / 5000		3500 / 4000 / 5000		3500 / 4000 / 5000		3500 / 4000 / 5000		3500 / 4000 / 5000		3500 / 4000 / 5000	
Physical	Lens Type	Clear		Clear		Opaque		Opaque		Opaque		Opaque	
	Type V Lens Option	No		No		No		No		Yes		Yes	
	10% Uplight Option	No		No		Yes		Yes		Yes		Yes	
	Neck Length Option*	No		No		No		No		Yes		Yes	
	Length (in.)	9.88		9.88		8.59		8.59		8.18 or 5.01*		8.18 or 5.01*	
	Diameter (in.)	6.31		6.31		6.31		6.31		6.31		6.31	
	Weight (lbs.)	1.90		1.90		1.90 or 1.50*		1.90 or 1.50*		1.80 or 1.50*		1.80 or 1.50*	
Features	DLC Listed	No Category	Yes, DLC 4.1 (E39 only)	No Category	Yes, DLC 4.1 (E39 only)	No Category	Yes, DLC 4.1 (E39 only)	No Category	Yes, DLC 4.1 (E39 only)	No Category		No Category	
	Fixture Retrofit Kit	No		Yes		No		Yes		No		No	
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No		Yes		No		Yes		No	Yes	No	Yes

CLICK A PRODUCT TITLE TO
GET THE FULL CUT SHEET / SKU >>

Lunera MH Vertical
No-Fan Cooling




Lunera HPS Vertical
No-Fan Cooling

Replaces	Equivalent Lamp Type	Metal Halide	High Pressure Sodium
	Equivalent Wattage	400W	400W
	Socket	Mogul E39	Mogul E39
	Dimmable <small>If yes, for Ballast Driven only instalation, depending on ballast.</small>	No	No
Energy	Power Source	Ballast Driven	Ballast Driven
	Lamp Wattage (W)	146W	164W
Light	Light Source	LED	LED
	Lamp Mount / Light Direction	Vertical	Vertical
			
	Lamp Max Lumens (lm)	17,400	13,100
	CCT (K)	3500 / 4000 / 5000	3500 / 4000 / 5000
Physical	Lens Type	Opaque	Opaque
	Length (in.)	9.41	9.41
	Diameter (in.)	8.27	8.23
	Weight (lbs.)	3.75	3.75
Features	DLC Listed	No Category	No Category
	Fixture Retrofit Kit	No	No
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	No

CLICK A PRODUCT TITLE TO
GET THE FULL CUT SHEET / SKU >>

Lunera MH Horizontal





Lunera HPS Horizontal

Replaces	Equivalent Lamp Type	Metal Halide	Metal Halide	High Pressure Sodium
	Equivalent Wattage	400/320W	250/175W	400/310/250/200W
	Socket	Mogul E39	Mogul E39	Mogul E39
	Dimmable <small>If yes, for Ballast Driven only instalation, depending on ballast.</small>	No	No	No
Energy	Power Source	Ballast Driven	Ballast Driven	Ballast Driven
	Lamp Wattage (W)	145/120W	94/72W	118/105/83/63W
Light	Light Source	LED	LED	LED
	Lamp Mount / Light Direction	Horizontal	Horizontal	Horizontal
				
	Lamp Max Lumens (lm)	13,100	8,100	9,400
	CCT (K)	3500 / 4000 / 5000	3500 / 4000 / 5000	3500 / 4000 / 5000
Physical	Lens Type	Opaque	Opaque	Opaque
	Length (in.)	9.40	9.40	9.40
	Diameter (in.)	4.20	4.20	4.20
	Weight (lbs.)	2.50	2.50	2.50
Features	DLC Listed	No Category	No Category	No Category
	Fixture Retrofit Kit	No	No	No
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	No	No

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Lunera HID 360 - 8K

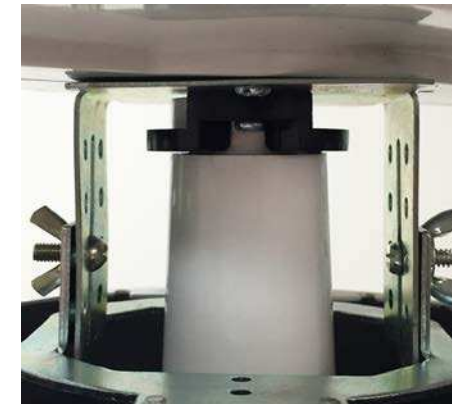
Lunera HID 360 - 5K

Replaces	Equivalent Lamp Type	Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium		Metal Halide or High Pressure Sodium	
	Equivalent Wattage	250/175/150W		250/175/150W		175/150/100/70/50W		175/150/100/70/50W	
	Socket	Mogul E39 or Medium E26		Mogul E39 or Medium E26		Mogul E39 or Medium E26		Mogul E39 or Medium E26	
	Dimmable <small>If yes, for Ballast Driven only instalaltion, depending on ballast.</small>	No		No		No		No	
Energy	Power Source	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed	Ballast Driven	Ballast Bypassed
	Lamp Wattage (W)	90W		90W		53W		53W	
Light	Light Source	LED		LED		LED		LED	
	Lamp Mount / Light Direction	360 Degrees		360 Degrees		360 Degrees		360 Degrees	
									
	Lamp Max Lumens (lm)	8,600		6,000		5,700		3,500	
	CCT (K)	3500K / 4000K / 5000K		2000K		3500K / 4000K / 5000K		2000K	
Physical	Lens Type	Opaque		Opaque		Opaque		Opaque	
	Length (in.)	8.19		8.19		8.19		8.19	
	Diameter (in.)	4.36		4.36		4.36		4.36	
	Weight (lbs.)	2.00		2.00		2.00		2.00	
Features	DLC Listed	No Category		No Category		No Category		No Category	
	Fixture Retrofit Kit	No		No		No		No	
	Integrated Sensors	No		No		No		No	

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Lunera HID Vertical - Hardwired Clasp replaces Mogul E39

Replaces	Equivalent Lamp Type	Metal Halide or High Pressure Sodium	Metal Halide or High Pressure Sodium	Metal Halide or High Pressure Sodium
	Equivalent Wattage	400W	400/320/310/250W	250/175/150/100/70W
	Socket	Hardwired with Clasp replaces Mogul R39	Hardwired with Clasp replaces Mogul R39	Hardwired with Clasp replaces Mogul R39
	Dimmable <small>If yes, for Ballast Driven only installation, depending on ballast.</small>	No	No	No
Energy	Power Source	Ballast Bypassed	Ballast Bypassed	Ballast Bypassed
	Lamp Wattage (W)	207W	164W	95W
Light	Light Source	LED	LED	LED
	Lamp Mount / Light Direction	Vertical 	Vertical 	Vertical 
	Lamp Max Lumens (lm)	21,300	17,900	9,900
	CCT (K)	3500 / 4000 / 5000	3500 / 4000 / 5000	3500 / 4000 / 5000
	Lens Type	Clear	Clear	Opaque
Physical	Type V Lens Option	---	---	---
	10% Uplight Option	---	---	---
	Neck Length Option	---	---	---
	Length (in.)	9.88	9.88	8.59
	Diameter (in.)	6.31	6.31	6.31
	Weight (lbs.)	1.90	1.90	1.90
Features	DLC Listed	Yes, DLC 4.1 (Pending)	Yes, DLC 4.1 (Pending)	Yes, DLC 4.1 (Pending)
	Fixture Retrofit Kit	Yes	Yes	Yes
	Integrated Sensors <small>* If yes, verify availability on cut sheet.</small>	No	No	No



The Mogul E39 socket is removed from the fixture.

The ballast is bypassed or removed, hardwiring the LED lamp directly to 120~277V line voltage.

A slotted clasp is attached to the fixture's reflector, replacing the E39 socket, and the lamp is secured to the clasp.

The fixture has been retrofitted as an LED fixture.