



Safety coated HIDs in food processing and storage facilities.

Shat-R-Shield HID Lamps: High in Intensity. Higher in Protection.

Shat-R-Shield High Intensity Discharge (HID) lamps are designed to be safely used in open fixtures and are excellent for lighting large areas. In addition to offering flexibility in system design, open fixtures are less expensive and more compact than enclosed fixtures. The lenses on enclosed fixtures can reduce light output by up to 10% (compounded over time by the build-up of dirt, insects and other debris on the lens).

Metal Halide Lamps- Metal halide lamps provide good color rendering and are used in high quality outdoor lighting installations, as well as floodlighting, industrial high bay and many commercial applications.

Available in:

Energy Efficient • Probe Start • Pulse Start
Retrofit • Protective Shroud (MP)

High Pressure Sodium Lamps (HPS)- These lamps are the most efficient source of high intensity light and are also available in non-cycling versions. Their efficiency is up to 140 lumens per watt and the light produced is a warm golden color. Because of their yellow light output, they are frequently used in street lighting and other areas where color rendering is not critical. Although they are not quite as energy efficient, metal halide is generally used when pure white light is needed.

Mercury Vapor- Although many of these applications have been converted to the much more efficient metal halide and high pressure sodium lamps, we are still able to satisfy the needs of your customers that use mercury vapor lamps. Please call customer service for your specific requests.

Energy Efficient

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
145	ED28	90840	CDM145/BU/O/4K/ED28 (PK X 12)	Exclusionary Mogul (EX39)	Clear	13775	11020	4000	87	8.31	20000	12
210	T12 (38 MM)	90848	CDM-T MW ELITE 210W/942 T12(PK X12)	PGZX18	Clear	22800	20500	4040	92	7.6	20000	12
260	ED28	90850	CDM260/C/BU/O/4K (PK X 6)	Exclusionary Mogul (EX39)	Frosted	25300	20300	4000	90	8.3	20000	6
260	ED28	90851	CDM260/BU/O/4K/ED28 (PK X 12)	Exclusionary Mogul (EX39)	Clear	27000	21400	4000	90	8.38	20000	12
330	ED28	90852	CDM330/BU/O/4K/ED28 (PK X 12)	Exclusionary Mogul (EX39)	Clear	33000	26400	4000	90	8.31	20000	12
330	ED37	90846	CDM330/BU/O/4K (PK X 6)	Exclusionary Mogul (EX39)	Clear	33000	24750	4000	90	11.5	24000	6
360	ED37	91702S	MS360/ES/BU/ED37 (PK X 6)	Mogul (E39)	Clear	36000		4000	65	11.5	20000	6
360	ED37	99711G	MVR360/CVBU/WM/XHO (PK X 6)	Mogul (E39)	Clear	35000	23000	4000	70	11.5	20000	6
360	ED37	99700G	MVR360 VBU/WM/HO (PK X 6)	Mogul (E39)	Clear	36000	23500	4300	65	11.5	20000	6
360	ED37	99710G	MVR360/VBU/WM/XHO (PK X 6)	Mogul (E39)	Clear	37000	24000	4200	65	11.5	20000	6

High Pressure Sodium

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
35	BD17	97010	HPS35 MED (PK X 12)	Medium (E26)	Clear	2300	2025	2100	21	5.43	24000	12
50	BD17	97110	HPS50 MED (PK X 12)	Medium (E26)	Clear	4000	3600	2100	21	5.43	24000	12
50	E17	97312S	LU50 D/MED (PK X 20)	Medium (E26)	Frosted	3700	3420	1900	22	5.43	24000	20
70	ED23 1/2	97209	HPS70/ECOSAFE (PK X 12)	Mogul (E39)	Clear	6800	5670	2100	21	7.75	24000	12
70	BD17	97210	HPS70 MED (PK X 12)	Medium (E26)	Clear	6700	5850	2100	21	5.44	24000	12
100	BD17	97111	HPS100/IF/MED (PK X 12)	Medium (E26)	Clear	8900	7920	2100	21	5.44	24000	12
100	ED23 1/2	97309	HPS100 ALTO (PK X 12)	Mogul (E39)	Clear	10000	8460	2100	21	7.75	24000	12
100	BD17	97310	HPS100 MED (PK X 12)	Medium (E26)	Clear	9200	8550	2100	21	5.44	24000	12
150	ED23 1/2	97409	HPS150 55/ALTO (PK X 12)	Mogul (E39)	Clear	16000	14220	2100	21	7.75	24000	12
150	BD17	97410	HPS150 55/MED (PK X 12)	Medium (E26)	Clear	16500	14440	2100	21	5.44	24000	12
200	ED18	97501	HPS200/ALTO (PK X 12)	Mogul (E39)	Clear	23000	19260	2100	21	9.75	24000	12
250	ED18	97600	HPS250 ALTO (PK X 12)	Mogul (E39)	Clear	28500	24300	2100	21	9.75	24000	12
250	ED28	99604G	HR250/A37 (PK X 12)	Mogul (E39)	Clear	11000	7700	5700	15	8.25	24000	12
400	ED18	97800	HPS400 ALTO (PK X 12)	Mogul (E39)	Clear	50000	45000	2100	21	9.75	24000	12
400	ET18	97800S	LU400 ECO (PK X 20)	Mogul (E39)	Clear	40300	40300	2100	22	9.75	24000	20
400	ED18	97803H	LU400/ECO (PK X 12)	Mogul (E39)	Clear	48000		2000	20	9.75	24000	12

High Pressure Sodium Retrofit

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
250	ED28	90642G	MR250 RETROFIT/BU (PK X 12)	Mogul (E39)	Clear	18500	13900	4500	65	8.25	10000	12
270	ED28	90602V	M250/LU (PK X 12)	Mogul (E39)	Clear	20000	17000	4000	65	8.3	10000	12
400	ED37	95840G	MR400 RETROFIT/BU (PK X 6)	Mogul (E39)	Clear	37600	22600	4500	65	11.5	20000	6

Mercury Vapor

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
100	A23	99312	H38MP-100 DX (PK X 24)	Medium (E26)	Frosted	4400	3740	3700	45	5.4	15000	24
175	ED28	99502	H39KC175 DX (PK X 12)	Mogul (E39)	Frosted	7900	7300	4100	45	8.31	24000	12
250	ED28	99603S	H37KC250 DX (PK X 6)	Mogul (E39)	Frosted	12500	10000	4000	45	8.31	24000	6
400	ED37	99802S	H33GL400 DX (PK X 6)	Mogul (E39)	Frosted	23000	16200	4000	43	11.5	24000	6

Probe Start

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
150	E17	93409S	M150/SS/BU/BT28 (PK X 6)	Mogul (E39)	Clear	12000	7500	4000	65	8.3	12000	6
150	BD17	93410	M150 BU/MED (PK X 12)	Medium (E26)	Clear	13500	8775	4000	65	5.44	10000	12
175	BT28	93510S	MP175 BU/MED (PK X 20)	Medium (E26)	Clear	14400	10200	3600	65	5.43	10000	20
175	BT28	93500S	MP175 BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	14400	10200	4000	65	8.31	10000	6
175	BT28	93501S	MP175 IF/BU (PK X 6)	Exclusionary Mogul (EX39)	Frosted	12800	7800	3800	70	8.31	10000	6
175	E17	90510S	M175 BU/MED (PK X 20)	Medium (E26)	Clear	14400	9000	4000	65	5.43	10000	20
175	ED28	90503S	M175 IF/BU/ED28	Mogul (E39)	Clear	14000	8400	3800	70	8.31	10000	6
175	ED28	90502S	M175 BU/ED28 (PK X 6)	Mogul (E39)	Clear	14400	9300	4200	65	8.3	10000	6
250	BT28	93601S	MP250 IF/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	20000	14350	3800	70	8.31	10000	6
250	BT28	93600S	MP250 BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	23000	17000	4000	65	8.31	17000	6
250	BT28	90601S	M250 IF/BU (PK X 6)	Mogul (E39)	Clear	21500	17000	3800	70	8.31	10000	6
250	ED28	93603H	MP250/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	21800	14200	4000	65	8.25	10000	6
250	ED28	90603H	MH250/BU (PK X 6)	Mogul (E39)	Clear	21000	13700	4000	65	8.25	10000	6
250	ED28	90604S	M250 BU/ED28 (PK X 6)	Mogul (E39)	Clear	22000	15000	4200	65	8.3	10000	6
275	BT37	91701S	MS360 IF/ES/BU (PK X 6)	Mogul (E39)	Clear	10000	22500	3600	100	11.5	15000	6
360	BT28	93700S	MP360 ES/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	35000	23500	4000	65	11.5	20000	6
400	BT37	93801S	MP400 IF/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	38500	25000	3400	70	11.5	20000	6
400	BT37	93800S	MP400 BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	40000	26000	3600	65	11.5	20000	6
400	ED37	93800	MP400/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	40000	26600	4000	65	11.5	20000	6
400	ED37	93803H	MP400/BU (PK X 6)	Exclusionary Mogul (EX39)	Clear	36000	22000	4000	65	11.5	20000	6
400	ED28	90809	M400 BU/ED28 (PK X 12)	Mogul (E39)	Clear	36000	24000	4000	65	8.31	20000	12
400	ED37	90802G	MVR400/BU (PK X 6)	Mogul (E39)	Clear	36000	33100	4000	65	11.5	20000	6
400	ED37	90803H	MH400/BU (PK X 6)	Mogul (E39)	Clear	40000	26000	4000	65	11.5	20000	6
400	ED37	94033V	MPI 400W/BU PROBE START (PK X 6)	Exclusionary Mogul (EX39)	Clear	40000		4000	65	11.5	20000	6
400	ED37	90804S	M400 BU/ED37 (PK X 6)	Mogul (E39)	Clear	36000	25000	4000	65	11.5	20000	6
400	ED37	90805S	M400/IF/BU/ED37 (PK X 6)	Mogul (E39)	Internal Frost	36000	22500	3700	70	11.5	20000	6

Pulse Start

Watts	Shape	Part #	Description	Base	Finish	Initial Lumens	Mean Lumens	Kelvin Temp	CRI	Length (in.)	Life Hours	Pack By
150	ED17	94418	MHC150/U/M/4K/ALTO (PK X 12)	Medium (E26)	Clear	13000	10140	4000	90	5.44	20000	12
150	ED17	90111V	MH150W/BU/PS/740 (PK X 12)	Medium (E26)	Clear	14000		4000	68	5.4	15000	12
50	ED17	90110V	M50/MED/PS/BU (PK X 12)	Medium (E26)	Clear	3400		4000	65	5.4	10000	12
70	ED17	94210V	M70W MED PS/BU (PK X 12)	Medium (E26)	Clear	5600		4000	65	5.4	15000	12
70	ED28	94200V	M70/BU/ED28/PS (PK X 12)	Mogul (E39)	Clear	5600	3640	4000	65	8.3	15000	12
100	E17	93313S	M100 BU/MED (PK X 20)	Medium (E26)	Clear	8500	4675	4000	65	5.4	12000	20
100	ED28	90350V	M100/ED28/PS/BU (PK X 12)	Mogul (E39)	Clear	9000		4000	65	8.3	15000	12
150	ED17	90843	M150/M/3K/BU/ALTO/MED (PK X 12)	Medium (E26)	Clear	14000	10500	3000	85	5.4	16000	12
175	ED28	94500S	MS175 PS/BU (PK X 12)	Mogul (E39)	Clear	17500	12800	4000	65	8.31	15000	12
175	ED28	94510S	MS175/PS/BU/MED (PK X 12)	Medium (E26)	Clear	17500	12800	4000	65	5.43	15000	12
250	BT28	94660S	MS250/PS/BU (PK X 6)	Mogul (E39)	Clear	28000	17000	3200	65	8.31	20000	6
250	ED28	94630V	MS250/PS/BU (PK X 12)	Mogul (E39)	Clear	25000		4000	68	8.3	20000	12
320	ED28	94042S	MS320/PS/BU/HOR/ED28 (PK X 6)	Mogul (E39)	Clear	30000	21000	4300	65	8.3	20000	6
320	ED37	94041V	MS320/C/V/ED37/PS/737 (PK X 6)	Mogul (E39)	Clear	31000		3700	70	11.5	20000	6
350	ED37	94801G	MVR350/C/VBU/XHO/PA (PK X 6)	Mogul (E39)	Clear	34500	25000	3700	65	11.5	20000	6
350	ED37	94000V	MS350W/PS/BU (PK X 6)	Mogul (E39)	Clear	37000		4000	68	11.5	30000	6
400	ED37	94803S	MS400 PS/BU/ED37 (PK X 6)	Mogul (E39)	Clear	42000	35700	4000	65	11.5	20000	6