LEDVANCE LAMPS
HID REPLACEMENT HIGH OUTPUT SELECTABLE LAMPS

LEDVANCE LUMINAIRE SPECIFICATION DATA

Catalog #	Comments
Project	
Type	
Prepared by	

PERFORMANCE CLASS™





INTEGRATED DRIVER
120-277VAC Type-B ballast bypass

QUALITY LIGHT
CRI >80, R9 >0

MEETS LATEST UTILITY STANDARDS
DLC 6.0 Standard

ENERGY EFFICIENT
Efficacy up to 167 LPW

FLEXIBLE
Rated for open and enclosed luminaires

COLOR SELECTABLE
3000/4000/5000K selectable color

UNIFORM ILLUMINATION
336-degree omnidirectional beam angle

FIELD ADJUSTABLE OUTPUT OPTIONS
3 Level selectable output

CONTROLS READY OPTIONS
Screw-in LEDVANCE Standalone & Network sensors on 80W and above options

OPTIONAL ACCESSORIES
E26 MED to EX39 base adapter and lamp extenders available

DESCRIPTION
LEDVANCE LED HID Replacement High Output Lamp family provides versatile, energy-efficient retrofits for metal halide and high-pressure sodium lamps in wall-packs, canopies, and shoeboxes. Type B Ballast bypass omnidirectional light with field-adjustable CCT and wattage. DLC 6.0 compliant. Optional standalone or networked lighting controls.

APPLICATIONS
- Parking lots, warehouses, production areas
- Parks
- Security lighting
- Street lighting
- Factory
- Walkways
- Shopping malls
- Chain stores, retail shops

RATED LIFE
- 50,000 hours (L_{70}) @ 77°F/25°C (open luminaire)

CERTIFICATIONS & LISTINGS
- UL listed for US & Canada
- RoHS Compliant
- FCC Compliant
- Damp Location rated
- IP64
- Controls Ready
- Controls Ready via: Screw-in
- LINK™

AMBIENT OPERATING TEMPERATURE
- -40°F to 122°F (-40°C to 50°C)

ELECTRICAL
- Input voltage: 120-277V
- Surge Protection: up to 4KV
- Power Factor: >=0.9 @120V
- THD: <=20%
- Not suitable for use with dimmers

WARRANTY
- 5-Year Limited Warranty

ORDERING GUIDE

LED	XXX	HIDR	8	SC2	XXX
LED	**WATTAGE**	**LAMP TYPE**	**CRI**	**CCT**	**BASE TYPE**
LED = LED Lamps and Retrofits	12 = 12W 18 = 18W 27 = 12/18/27W 36 = 18/27/36W 45 = 27/36/45W 54 = 36/45/54W 80 = 54/63/80W 100 = 63/80/100W 120 = 80/100/120W	HIDR = HID Replacement	8 = >80, R9>0	SC2 = Selectable 3000/4000/ 5000K	MED = E26 Medium Base MOG = EX39 Mogul Base

ORDERING INFORMATION

ITEM #	ORDERING ABBREVIATION	WATTAGE (W)**	BASE TYPE	REPLACES	INPUT VOLTAGE	SURGE (KV)	CCT (K)	TYPICAL LUMENS (LM) 4000K	TYPICAL EFFICACY (LPW) 4000K	CRI	DLC	ORIENTATION
42721	LED12HIDR8SC2MED	12	E26 Medium	–	120-277	2.5	3000/4000/5000	1,860	155	>80	No	Any
42722	LED18HIDR8SC2MED	18	E26 Medium	35W MH	120-277	2.5	3000/4000/5000	2,800	156	>80	No	Any
42723	LED27HIDR8SC2MED	12/18/27	E26 Medium	50W MH	120-277	2.5	3000/4000/5000	4,200	156	>80	Pole/arm mount decorative	Any
42724	LED36HIDR8SC2MED	18/27/36	E26 Medium	70W MH	120-277	2.5	3000/4000/5000	5,600	156	>80	Pole/arm mount decorative	Any
42725	LED45HIDR8SC2MOG	27/36/45	EX39 Mogul	70W MH	120-277	2.5	3000/4000/5000	7,000	156	>80	Pole/arm mount decorative	Any
42726	LED54HIDR8SC2MOG	36/45/54	EX39 Mogul	100W MH	120-277	2.5	3000/4000/5000	8,400	156	>80	Pole/arm mount decorative	Any
42727*	LED80HIDR8SC2MOG	54/63/80	EX39 Mogul	150W MH	120-277	4	3000/4000/5000	13,360	167	>80	High Bay	Vertical (±20°)
42728*	LED100HIDR8SC2MOG	63/80/100	EX39 Mogul	175W MH	120-277	4	3000/4000/5000	16,500	165	>80	High Bay	Vertical (±20°)
42729*	LED120HIDR8SC2MOG	80/100/120	EX39 Mogul	250W MH	120-277	4	3000/4000/5000	20,040	167	>80	High Bay	Vertical (±20°)

*Controls Ready

**42725-42729: Input Power may be reduced at elevated ambients down to 50%.

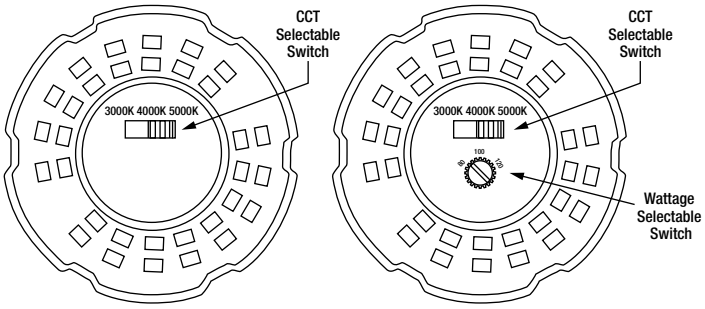
OUTPUT PER COLOR TEMPERATURE

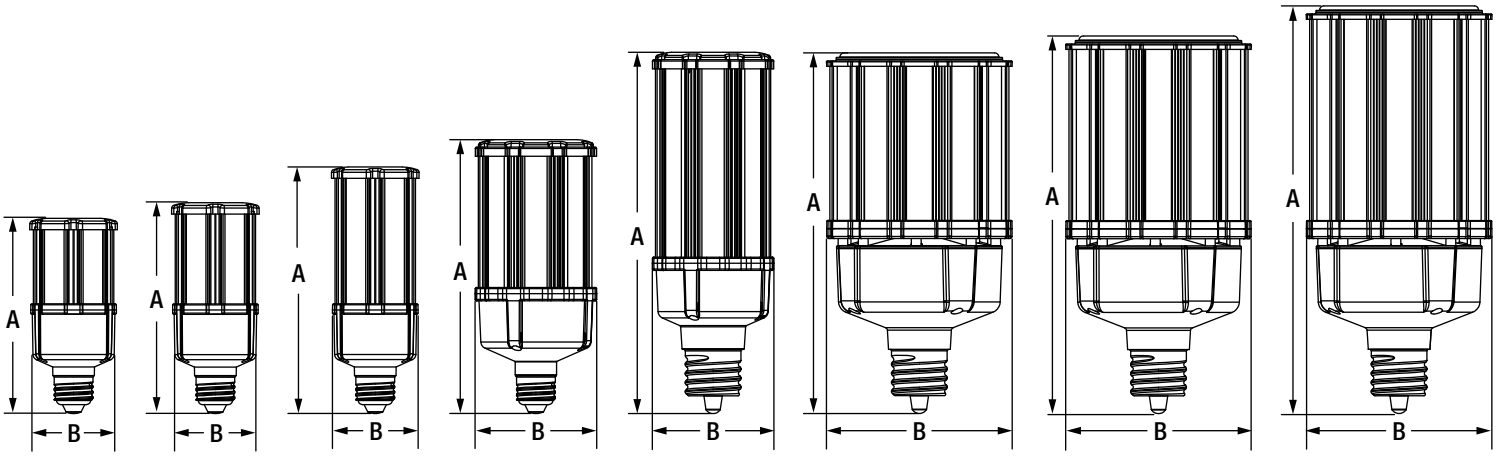
				CCT					
				3000K		4000K		5000K	
ITEM #	ORDERING ABBREVIATION	MAX WATTAGE (W)	WATTAGE SELECTABLE (W)	TOTAL LUMENS (LM)	EFFICACY (LPW)	TOTAL LUMENS (LM)	EFFICACY (LPW)	TOTAL LUMENS (LM)	EFFICACY (LPW)
42721	LED12HIDR8SC2MED	12	–	1,680	140	1,560	130	1,800	150
42722	LED18HIDR8SC2MED	18	–	2,600	144	2,800	156	2,700	150
42723	LED27HIDR8SC2MED	27	27	3,780	140	4,200	156	4,050	150
			18	2,400	133	2,700	150	2,700	150
			12	1,600	133	1,900	158	1,800	150
42724	LED36HIDR8SC2MED	36	36	5,040	140	5,600	156	5,400	150
			27	3,700	137	4,240	157	4,200	156
			18	2,500	139	2,860	159	2,850	158
42725	LED45HIDR8SC2MOG	45	45	6,300	140	7,000	156	6,750	150
			36	4,900	136	5,500	153	5,400	150
			27	3,700	137	4,250	157	4,200	156
42726	LED54HIDR8SC2MOG	54	54	7,560	140	8,400	156	8,100	150
			45	6,200	138	6,900	153	6,800	151
			36	5,000	139	5,600	156	5,500	153
42727	LED80HIDR8SC2MOG	80	80	12,480	156	13,360	167	12,480	156
			63	9,954	158	10,647	169	9,954	158
			54	8,640	160	9,234	171	8,640	160
42728	LED100HIDR8SC2MOG	100	100	15,600	156	16,500	165	15,600	156
			80	12,640	158	13,360	167	12,640	158
			63	10,080	160	10,647	169	10,080	160
42729	LED120HIDR8SC2MOG	120	120	18,720	156	20,040	167	18,720	156
			100	15,800	158	16,900	169	15,800	158
			80	12,800	160	13,680	171	12,800	160

PHYSICAL INFORMATION

DESCRIPTION	DIAMETER (B)	LENGTH (A)	WEIGHT
LED12HIDR8SC2MED	2.36in (60mm)	5.39in (137mm)	0.51lb (0.23kg)
LED18HIDR8SC2MED	2.36in (60mm)	5.83in (148mm)	0.55lb (0.25kg)
LED27HIDR8SC2MED	2.36in (60mm)	6.81in (173mm)	0.62lb (0.28kg)
LED36HIDR8SC2MED	3.35in (85mm)	7.56in (192mm)	1.19lb (0.54kg)
LED45HIDR8SC2MOG	3.35in (85mm)	9.96in (253mm)	1.43lb (0.65kg)
LED54HIDR8SC2MOG	3.35in (85mm)	9.96in (253mm)	1.46lb (0.66kg)
LED80HIDR8SC2MOG	5.12in (130mm)	9.96in (253mm)	3.26lb (1.48kg)
LED100HIDR8SC2MOG	5.12in (130mm)	10.43in (265mm)	3.33lb (1.51kg)
LED120HIDR8SC2MOG	5.12in (130mm)	11.26in (286mm)	3.42lb (1.55kg)

42721 & 42722





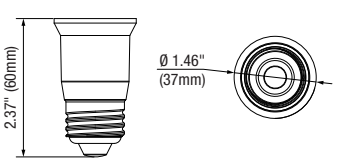
INSTALLATION

INSTALLATION GUIDE

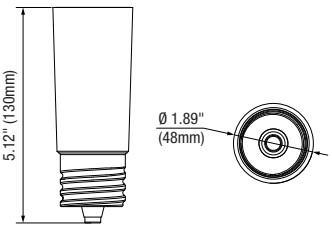
OPTIONAL ACCESSORIES

ITEM #	ORDERING ABBREVIATION	PRODUCT DESCRIPTION	
	ADAPTERS & EXTENDERS		
75055	LEDADAPTERMOGULBASE	E26 Medium to EX39 Mogul Adapter	
42718	SOCKETEXTMED	E26 Medium Base Socket Extender — Adds 1.22in (31mm)	
42719	SOCKEXTMOG	EX39 Mogul Base Socket Extender — Adds 2.95in (75mm)	
	STANDALONE CONTROLS		
62664	HIGHBAYPIRMOTIONDAYSENSOR2	LED HIDR Accessory — PIR Motion and Daylight Sensor 39ft	
65622	HIGHBAYMOTIONDAYSENSOR	LED HIDR Accessory — Microwave Motion and Daylight Sensor 49ft	
65623	REMOTEMOTIONDAY001	Remote Control for PIR/Microwave Motion/Daylight Sensor	
	NETWORKED LIGHTING CONTROLS		
75943	ADAPTER3P3.5SC	Sensor Adapter from 3-pin connector to 3.5mm connector	
62630	ADAPTERAUX12VBLE	LEDVANCE LINK™ Controller 3.5mm AUX12V BLE	
62634	SENSORHBPIRAUX12VBLE	LED HIDR Accessory — LEDVANCE LINK™ PIR Motion and Bluetooth® Mesh Controller 3.5mm 40ft	
62636	WALLSWITCH5KEYBLE	LINK™ Wireless Controller 5 Key Battery BLE	
75935	CTRLAFC3PDIP66SR	SILVAIR Plug & Play PIR Sensor/Controller 3-Pin 40ft	
75937	SENSA40PIR3PDIP66SR	SILVAIR Plug & Play Fixture Controller Range Extender and Timekeeper 3-Pin	

42718



42719



ADDITIONAL SPECIFICATIONS

- Suitable for damp locations.
- Dimming function can only be enabled either through a physical knob on 27W–120W lamps or by pairing with a SYLVANIA motion sensor and remote control (purchased separately) for 80W–120W lamps. Dimming is not compatible with other dimmers.
- Suitable for open & enclosed luminaires. Follow recommended orientation, temperature limits and luminaire compartment sizes.
- Minimum lamp compartment dimensions: 420mm × 210mm × 210mm (54W and greater).
- Not suited with outdoor fixtures with air vents.
- Should not be directly exposed to water.

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