



**M16B**



**CK16B**

## APPLICATION

DSSL's HPR – High-Power Retrofit Kit offers high-quality manufacturing with superior performance at an affordable price. The HPR features an IP68-rated light engine with a robust construction that boasts high light output upwards of 163 lumens per watt, from a slim, low-profile body. Equipped with a driver, eight optics to choose from, and customizable mounting, the HPR is a complete retrofit kit that can be made to mount in virtually any existing fixture type of matching size and is able to meet requirements for retrofit applications including area, road, and stadium lighting.

## FEATURES AND BENEFITS

- Standard Lumen Range: 8,658 to 114,309
- Efficacy: 150-163 LPW
- Operating Temperature: -40°F to 176°F
- Standard Voltage: 120-277V / 50-60HZ
- Total Harmonic Distortion: <15%

## ORDERING GUIDE

EXAMPLE: HPR150-40K-WHT-T3M-ED

HPR	Wattage	Color Temp		Plate Finish		Distribution		Options	
HPR60	60W	30K	3000K	BLK	BLACK	T1 Type I SHORT	25°	ELECTRICAL	
HPR90	90W	30K	3500K	WHT	WHITE	T1 -2 Type I SHORT2	40°	ED	0-10V DIMMING
HPR100	100W	40K	4000K	SLV	SILVER	T2S TYPE II SHORT	60°	SP	20KV SURGE SUPPRESSION
HPR120	120W	50K	5000K	BNZ	BRONZE	T2S2 TYPE II SHORT 2	90°	SLR	SOLAR READY DC VERSION
HPR150	150W	57K	5700K	CST	CUSTOM	T2S3 TYPE II SHORT 3	90 X 40°	HV	480VAC INPUT
HPR180	180W					T2M TYPE II MEDIUM	80 X 35°	WA90	10% WATTAGE REDUCTION
HPR240	240W			(DESIRED COLOR)		T2V TYPE II WIDE	70 X 30°	EM	20W EMERGENCY BATTERY PACK
HPR300	300W					T3S TYPE III SHORT	SQ SQUARE	CONTROLS	
HPR360	360W					T3M TYPE III MEDIUM	TN TENNIS	PC	PHOTOCELL
HPR480	480W					T3M2 TYPE III MEDIUM 2	TU TUNNEL	MS	MOTION SENSOR
HPR600	600W					T4 TYPE IV	LM LAMBERT	MSD	MOTION SENSOR & DAYLIGHT
HPR720	720W					T5 TYPE V			

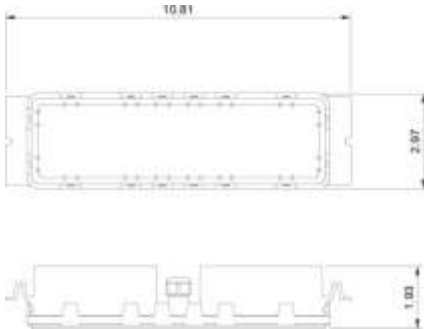
**NOTE:** Standard finishes have no added cost, custom finish must be quoted. Wattage reduction and all distribution included in price. Mounting plates must be designed and approved by customer prior to manufacture.

## MOUNTING ACCESSORIES

UNV-L UNIVERSAL MOUNTING L BRACKETS  
CSTM CUSTOM MOUNTING KIT

## MODULE PHYSICAL DIMENSIONS

\* MOUNTING PLATE / BRACKET DIMENSIONS VARY BY DESIGN



## WATTAGE CONFIGURATIONS

CATALOG NUMBER	WATTAGE	NUMBER OF MODULES REQUIRED
HPR60	60W	1
HPR90	90W	2
HPR100	100W	2
HPR120	120W	2
HPR150	150W	2
HPR180	180W	3
HPR240	240W	4
HPR300	300W	4
HPR360	360W	5
HPR480	480W	7
HPR600	600W	8
HPR720	720W	10



## PERFORMANCE

CATALOG NUMBER	WATTAGE	EFFICACY (LPW)	DRIVE CURRENT (A)	LUMENS 3000K	LUMENS 3500K	LUMENS 4000K	LUMENS 5000K	LUMENS 5700K
HPR60	60W	163	1.2 / MODULE	8658	8926	9202	9780	10082
HPR90	90W	138	0.9 / MODULE	11686	12047	12420	13200	13608
HPR100	100W	170	1.0 / MODULE	15050	15515	15995	17000	17526
HPR120	120W	163	2.4 / MODULE	17316	17852	18404	19560	20165
HPR150	150W	170	1.0 / MODULE	19919	20535	21170	22500	23196
HPR180	180W	163	1.2 / MODULE	25974	26778	27606	28340	30247
HPR240	240W	163	1.2 / MODULE	34633	35704	36808	39120	40330
HPR300	300W	163	1.2 / MODULE	43,291	44,630	46,010	48,900	50,412
HPR360	360W	163	1.2 / MODULE	51,949	53,556	55,212	58,680	60,495
HPR480	480W	154	1.5 / MODULE	65,441	67,465	69,551	73,920	76,206
HPR600	600W	163	1.2 / MODULE	86,582	89,259	92,020	97,800	100,825
HPR720	720W	154	1.5 / MODULE	98,161	101,197	104,327	110,880	114,309

## MATERIALS SPECIFICATIONS

### INTENDED USE

HPR High-Power Retrofit Kits are an affordable, high efficiency alternative to traditional HPS, and MH lamps ranging from 250-1500W. With a slim, low-profile design, our retrofit kits deliver superior illumination uniformity and a completely waterproof solution that can be used both indoors and outdoors. Applications include area, roadway, high mast, and sports lighting.

### BUY AMERICAN

Our product is manufactured from American-made and imported components, and fully assembled in America, qualifying for any BAA government procurement requirements under FAR, DFARS and DOT.

### CONSTRUCTION

HPR LED Retrofit Kits are powered by world-class LED modules that feature die-cast pure aluminum heat sinks and an IP68 rating for superior heat dissipation and endurance against the elements. The modules are mounted on light-weight metal plates manufactured at our facility in America. The retrofit plates are custom designed and manufactured to make mounting in existing housings simple and efficient.

### WARRANTY

10-Year standard limited warranty. Complete warranty and terms & conditions published at:

<https://disruptivessl.com/warranty-docs/>

### FINISH

Exterior mounting plates can be coated with a five-stage, super durable, environmentally friendly polyester powder coating at 3-5 mils thick, providing superior resistance to corrosion and weathering.