

100W
150W
200W
240W

IMPERATOR

LED High Bay

Cold forged



13,000lm
19,500lm
26,000lm
31,020lm

Specifications

Part Number:	• LW-IMPR-100W/150W/200W/240W
Wattage:	• 100W / 150W / 200W / 240W
Lumens:	• 13,000 / 19,500 / 26,000 / 31,020
Chip :	• Nichia 757G LED
Input Voltage:	• 90~305VAC
Power Factor:	• >0.95
Color Temperature:	• 3000 / 4000 / 5000 / 5700K
CRI:	• Ra 80
Beam angle:	• 120°
Dimming control available:	• 0-10V dimming
IP rating:	• IP65
Lifespan:	• 40,000 hours at 50°C ambient temperature
Working Temperature:	• -40 to 50°C
Installation method:	• Eye bulb, adjustable bracket (shown)
Material:	• Aluminum + PC
Weight:	• 2.8kg
Accessory:	• Reflector, dust-proof shield
Notes:	• Available with DALI dimming • Available with occupancy sensor & daylight sensor.



IMPERATOR INFORMATION

Wattage	Lumens	Beam Angle	Dimmability 0-10	Nichia Chip	Dimensions	Color Temp
100	13,000	120°	Available	Nichia	Dia260*H7.2" 183mm	5000K
150	19,500	120°	Available	Nichia	Dia260*H7.2" 183mm	5000K
200	26,000	120°	Available	Nichia	Dia290*H8.1" 208mm	5000K
240	31,020	120°	Available	Nichia	Dia290*H8.6" 208mm	5000K



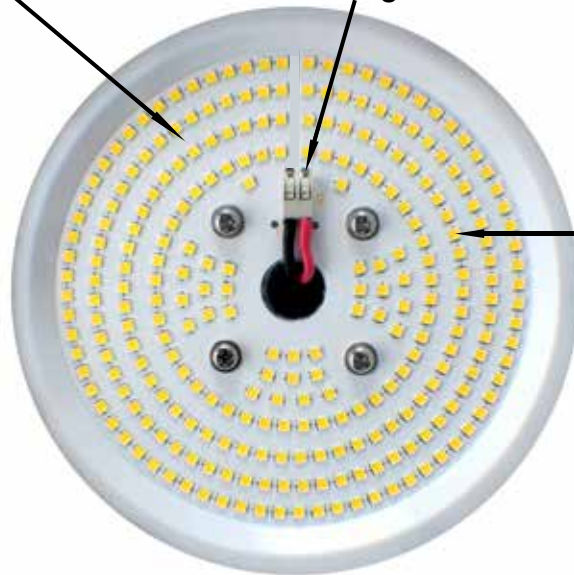
Waterproof Connector



Electrophoretically Treated Surface

New 7w/mk PCB

Wago™ Terminal Connector



Nichia 757G

(highest luminous efficacy on the market)

Features

- Pure aluminum heat sink
- Nichia 757G LED
- Meanwell HBG-100 LED Driver
- Total luminaire efficacy up to 135lm / Watt
- 5 years warranty

Documentation

- UL / DLC / TUV / SAA / PSE
- LM-80 / LM-79 / IES



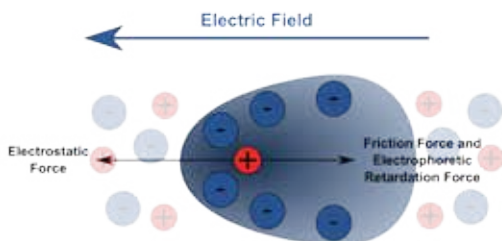
Imperator - Nichia Chip Information

Product Type	Size LxTxH (mm)	Chromaticity Coordinate Typ (x, y)		Luminous Flux Typ (lm)	Ra Min	R9 Min	Forward Voltage VF(V)		Directivity 20 1/2 (degree)	IF (mA)
		x	y				Typ	Max		
NF2W757GR	3.0X3.0X0.65	0.3447	0.3553	141	70		6.32	7.1	120	150
		0.3447	0.3553	137	80	0	6.32	7.1	120	150
		0.3447	0.3553	106	90	50	6.32	7.1	120	150

Die-Casting VS Cold Forging

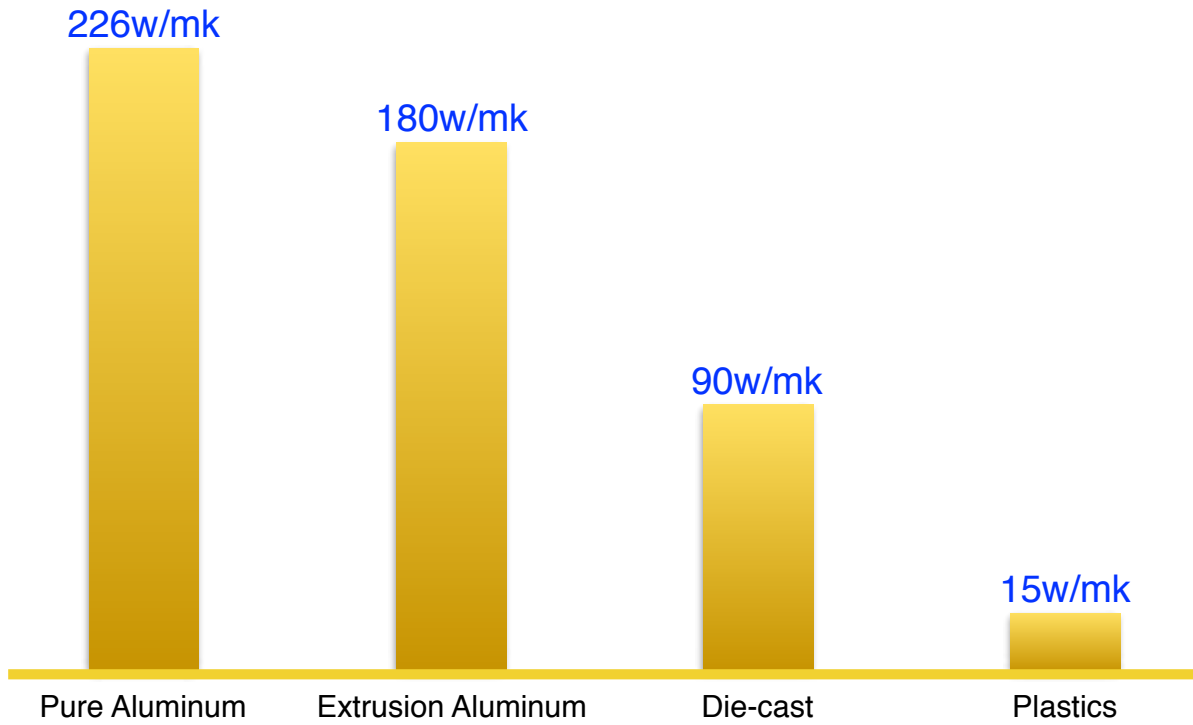
	Die Cast Heat Sink	Cold Forged Heat Sink
Raw materials	Alloy Aluminum (50% Pure)	1070 Aluminum (99.9% Pure)
Appearance	Rough	Smooth
Processing technology	Mould cast (changes structure of the material, compromising strength)	Individual machining(preserves the integrity of the raw materials)
Surface-treatment	Paint	Electrophoresis
Thermal conductivity index	64-120w / mk	226w / mk

Cold forged aluminum dissipates heat 3 times faster than die-cast aluminum.

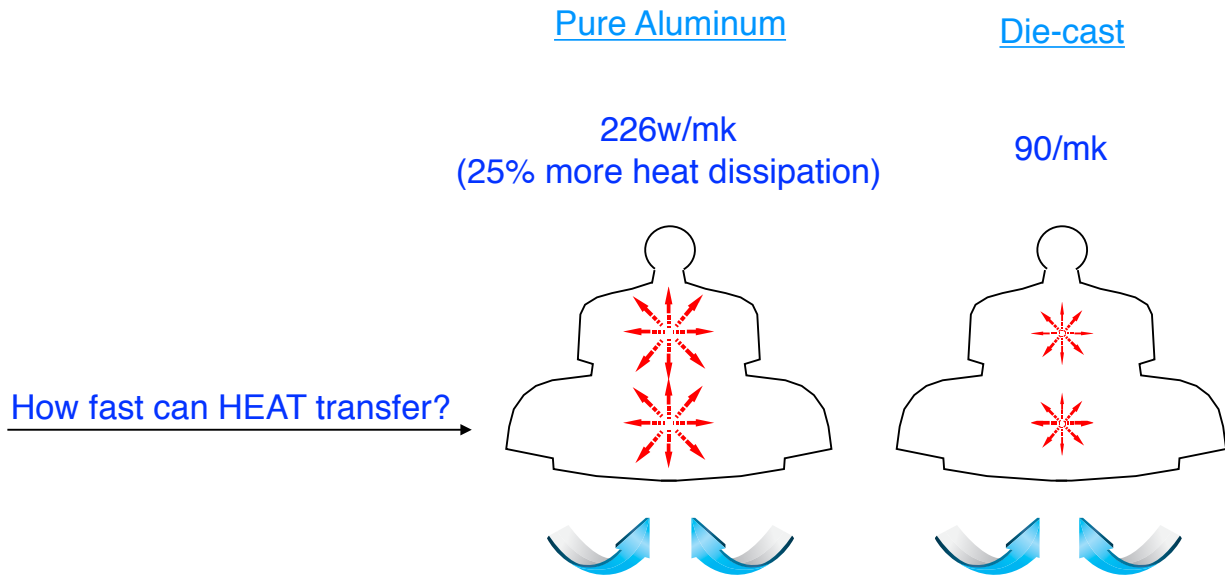


Strong, yet lightweight pure aluminum heat sink with a snag-free surface.

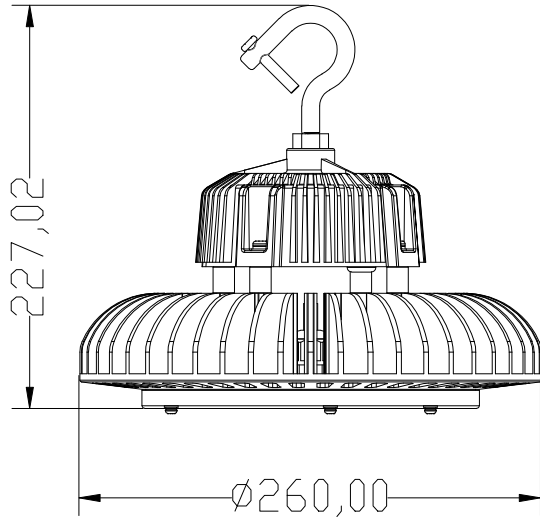




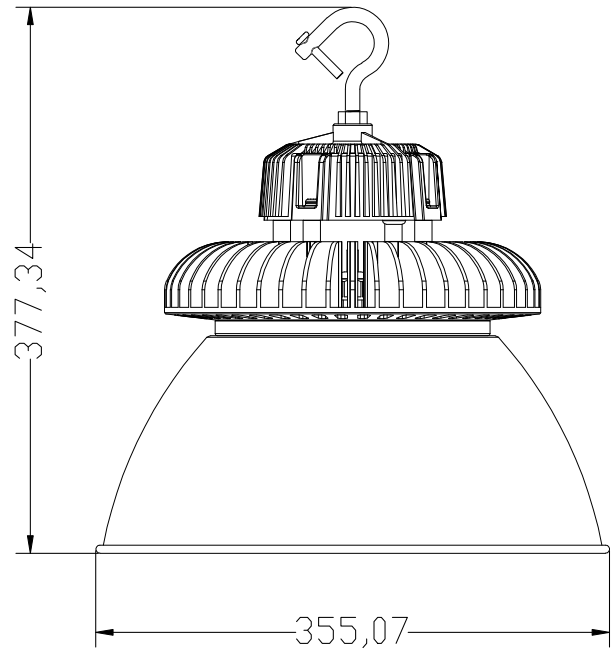
Heat conductive index



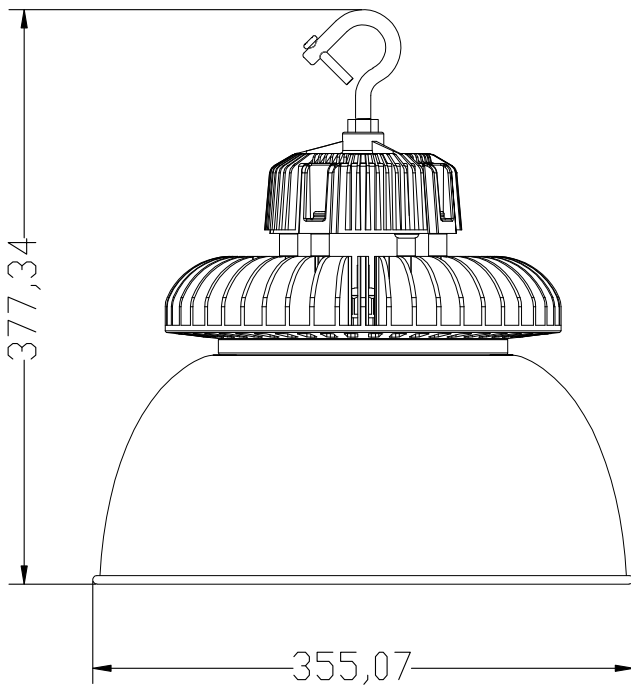
LW-IMPR-100W



LW-IMPR-100W



LW-IMPR-100W



LW-IMPR-100W

