IMPERATOR

LED High Bay

100W
150W
200W
240W

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			
Input Voltage	90~305VAC			
Power Factor	> 0,95			
Color Temperature	3,000 / 4,000 / 5,000 / 5,700K			
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	G Hook, adjustable bracket (shown)			
Material	Aluminium + PC			
Weight	2,8 kg			
Accessory	Reflector, dust-proof shield			
Notes	Available with DALI dimming			
	Available with occupancy daylight sensor			

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INFORMATION

Wattage	Lumens	Beam Angle	Dimmability 0-10	Nichia Chip	Dimensions	Color Temp
100	13,000	120º	Available	Nichia	Ø260mm 10,2” H7.2” 183mm	5000K
150	19,500	120º	Available	Nichia	Ø260mm 10,2” H7.2” 183mm	5000K
200	26,000	120º	Available	Nichia	Ø290mm 11,4” H8.1” 208mm	5000K
240	31,020	120º	Available	Nichia	Ø290mm 11,4” H8.6” 218mm	5000K

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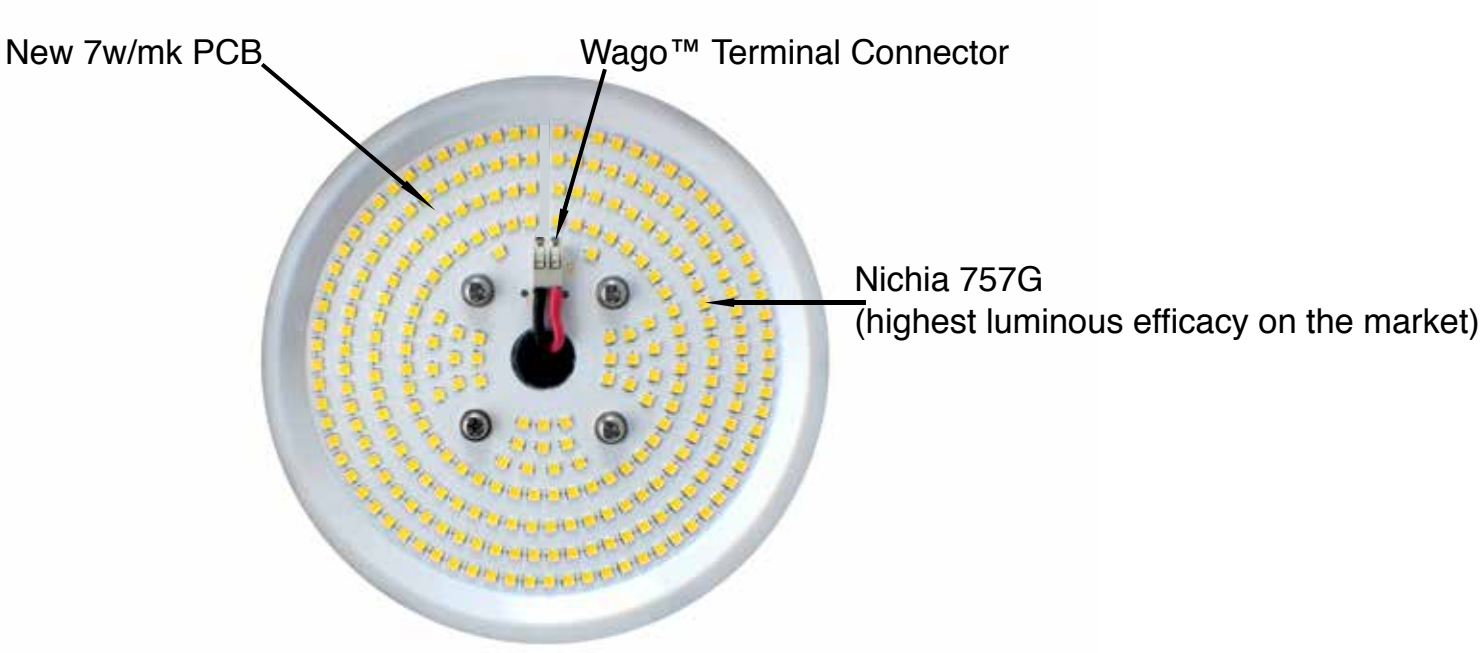

Features

- 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

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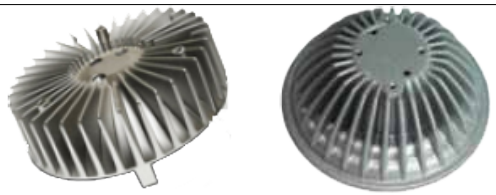
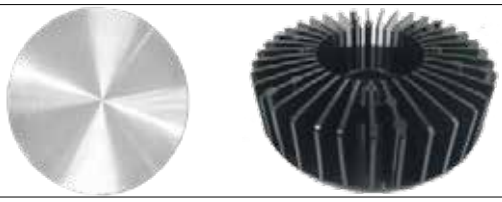
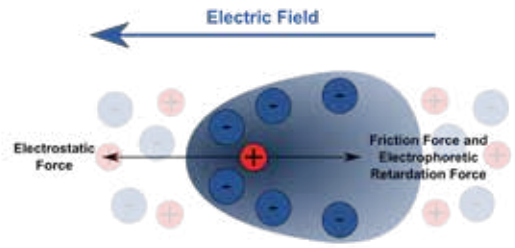
Imperator - Nichia Chip Information

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.

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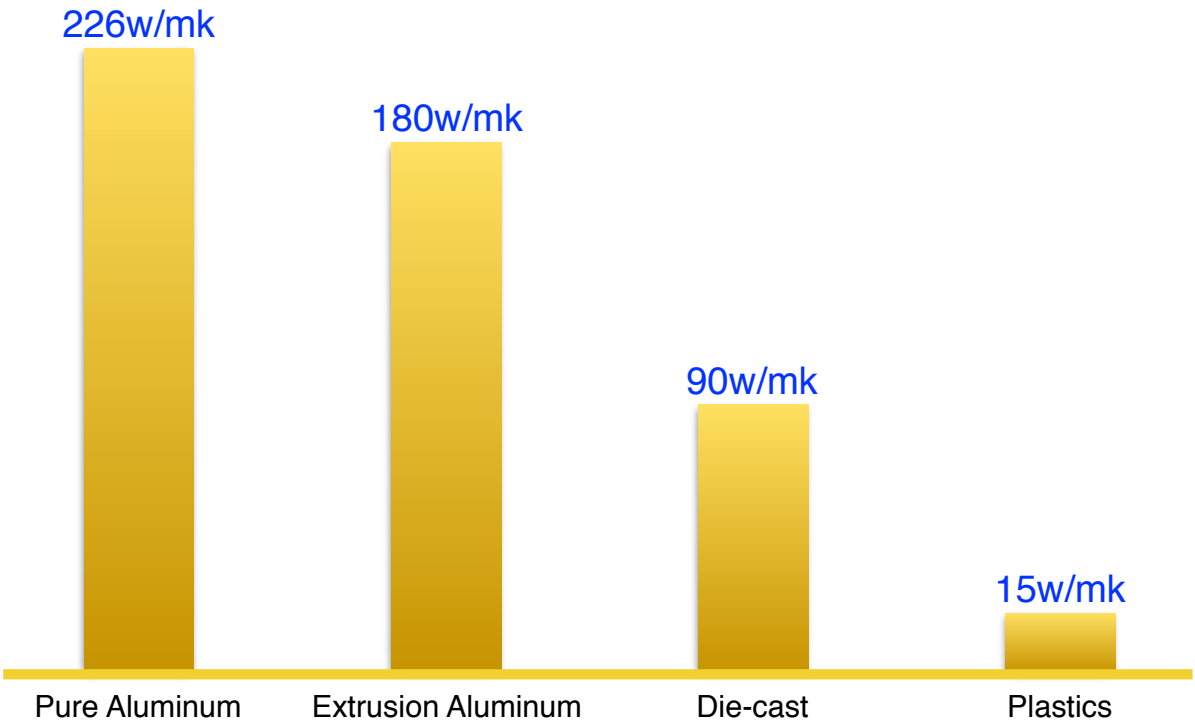


Heat conductive index

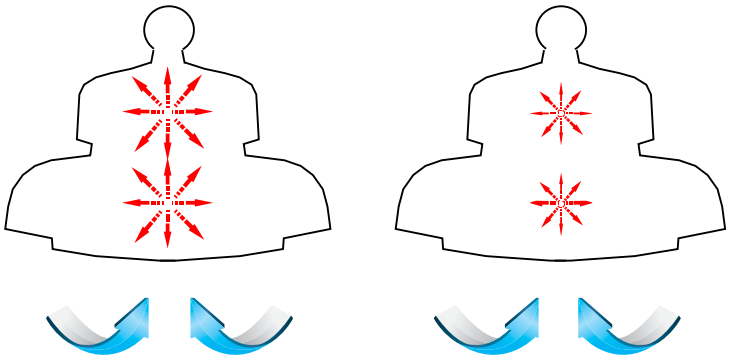
Pure Aluminum

226w/mk
(25% more heat dissipation)

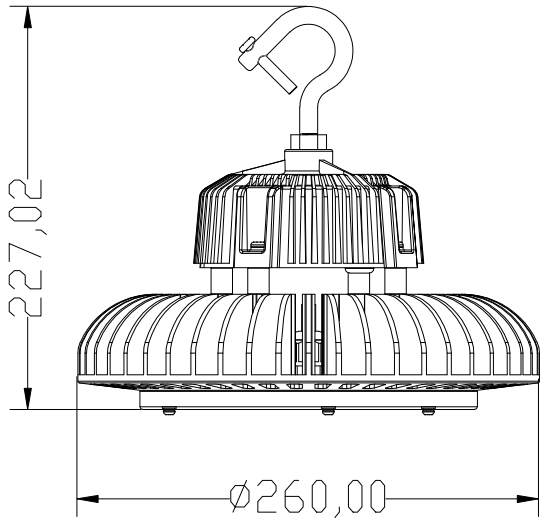
Die-cast

90/mk

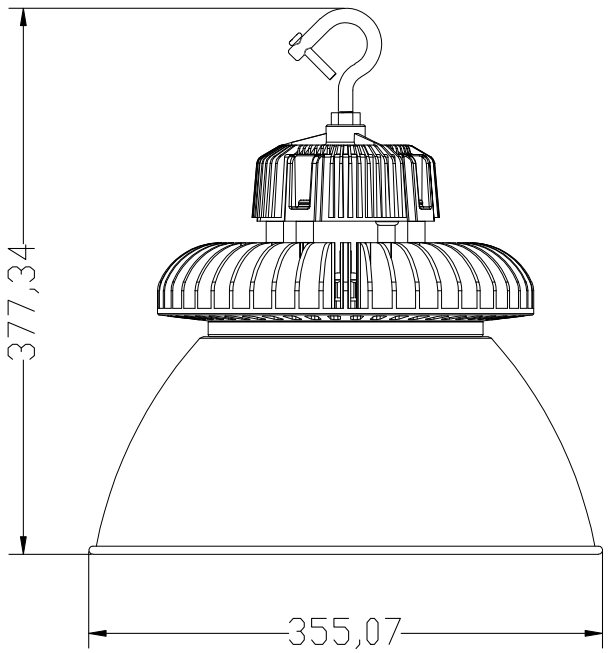
How fast can HEAT transfer?



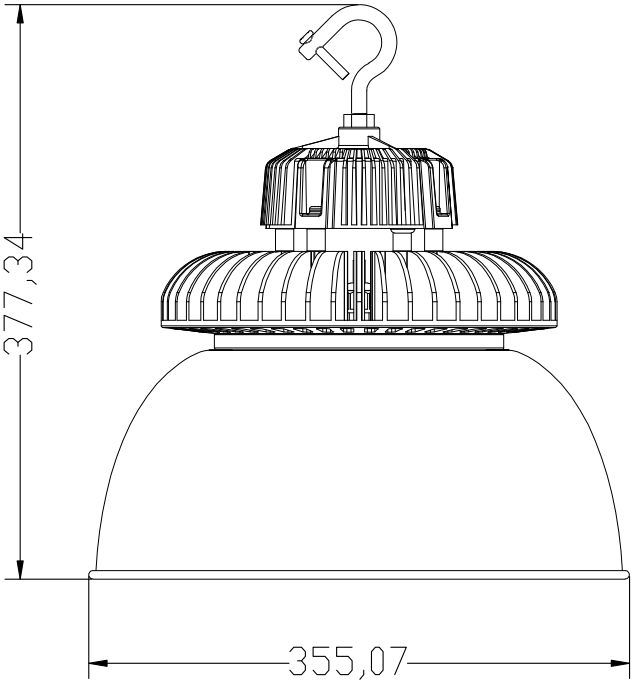
LW-IMPR-100W



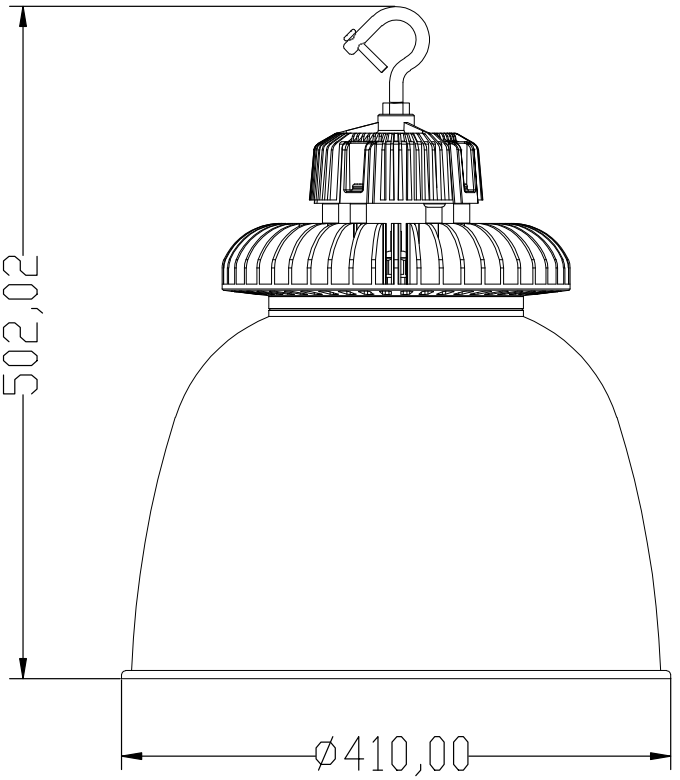
LW-IMPR-100W



LW-IMPR-100W



LW-IMPR-100W



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