

ICEPIPE LED Lamp

D3000 Series

- Street Light
- Flood Light
- Parking Lot
- Canopy
- Tunnel Light



Features

- ROI within 1 Year Possible by Savings in Electricity/Maintenance Costs
- Completely Resolves LED Heat & Cooling Issues
NET Certified with The World's First FDP (Fluid Dynamic Pressure) Technology
- Optimal Light Distribution Guaranteed
Adjustable Beam Angle (20°, 30°, 40°, 60°, 120°) and Output (±30%)
A 150 ICEPIPE LED Lamp Replaces a 300-400W Metal-Halide Lamp
- The Lightest, Most Compact LED Lamp for Easier/Safer Installation
- Maintains Same Output for 50k Hours - Adjustable Output (±30%)
- Highest Quality Components (Phillips Lumileds, Meanwell Power)
- Most Affordable by Class



Certification by Korea's Ministry of Knowledge Economy Reserved for World-Class New Technologies Developed in Korea
NET (New Excellent Technology) Certification
NEP (New Excellent Product) Certification

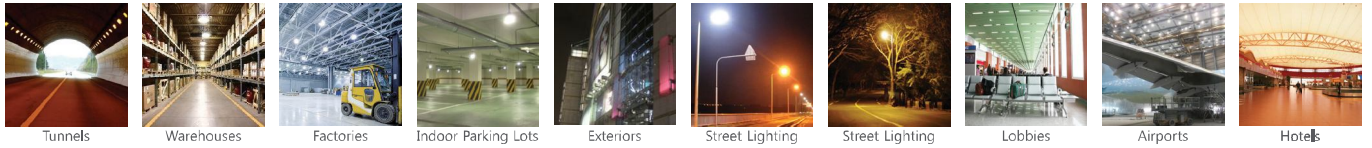
General Specifications

Category	D3000
Case Material	Metal
Type & Installation	ESA, EFA, ICH
Color Temperature	3,000 ~ 6,200 K (Refer to Ordering Information on page 43)
Controller	N : None / C1 : Controller 1
Lens Angle	20°, 30°, 40°, 60°, 120°, LS (Street Light), LT (Parking Lot)
Input Voltage	AC 90~305V (50~60Hz)
Color Rendering	72 Ra
IP Code	IP65
Weight	3.53kg (Excluding SMPS, Bracket)
Dimensions	Φ500mm × 365mm
Operation Temperature	-40 ~ 70°C
Warranty	5 Years (Operated within specified Ambient Temp. Upper Limit* for LED Lamp & SMPS)

D3000 Series Types

ESA External SMPS + Street Arm Street Light 	EFA External SMPS + Flood Arm Flood Light 	ICH Internal SMPS + Chassis Parking Lot Canopy Tunnel Light 
--	--	--

Applications



Performance Analysis Table for ICEPIPE D3000 Series by Wattages

	60W ~	80W	100W	120W	125W	150W	200W	240W	300W
D3000 LR48 ESA (Street Light) (80W~100W) HLG 100H-24	→	60W ~ 80W 87 lm/W 84 lm/W 5,220 lm 5,220 lm	60W ~ 100W 87 lm/W 79 lm/W 5,220 lm 7,900 lm						
D3000 LR64 ESA (Street Light) (100W) HLG 100H-24	→		100W 60W ~ 100W 80 lm/W 76 lm/W 4,800 lm 7,800 lm						
D3000 LR72 ESA (Street Light) (125W~150W) CLG 150H-24	→			80W ~ 120W 81 lm/W 78 lm/W 6,480 lm 9,360 lm	80W ~ 125W 90 lm/W 79 lm/W 7,200 lm 9,875 lm	80W ~ 150W 90 lm/W 77 lm/W 7,200 lm 11,550 lm			
D3000 LR104 ESA (Street Light) (200W~240W) HLG 240H-24	→						200W 150W ~ 200W 86 lm/W 80 lm/W 12,900 lm 16,000 lm	240W 150W ~ 240W 86 lm/W 77 lm/W 12,900 lm 18,480 lm	
D3000 LR104 EFA (Flood Light) (150W~240W) HLG 240H-24	→					150W ~ 150W 54 lm/W 77 lm/W 270 lm 11,550 lm	200W 150W ~ 200W 87 lm/W 81 lm/W 13,050 lm 16,200 lm	240W 150W ~ 240W 87 lm/W 78 lm/W 13,050 lm 18,720 lm	
D3000 LR48 ICH (Canopy) (80W~100W) HLG 100H-24	→	80W 87W ~ 84W 87 lm/W 84 lm/W 5,220 lm 7,056 lm	100W 60W ~ 100W 87 lm/W 79 lm/W 5,220 lm 7,900 lm						
D3000 LR48 ICH (Parking Lot) (0W~80W) HLG 100H-24	→	80W ~ 84W 87 lm/W 84 lm/W 435 lm 7,056 lm							
D3000 LR48 ICH (Canopy) (125W) HLG 150H-24	→			125W 60W ~ 100W 87 lm/W 74 lm/W 5,220 lm 7,400 lm					
D3000 LR96 ICH (Canopy) (150W~240W) HLG 240H-24	→	120W 60W ~ 120W 95 lm/W 87 lm/W 5,700 lm 10,440 lm			150W 80W ~ 150W 93 lm/W 87 lm/W 7,440 lm 13,050 lm		200W 150W ~ 200W 87 lm/W 81 lm/W 13,050 lm 16,200 lm	240W 150W ~ 240W 87 lm/W 78 lm/W 13,050 lm 18,720 lm	
D3000 LR96 ICH (Canopy) (0W~200W) HLG 240H-24	→					150W ~ 150W 93 lm/W 87 lm/W 465 lm 13,050 lm	200W ~ 200W 87 lm/W 81 lm/W 435 lm 16,200 lm		

Wattage

Max. Luminous Efficacy (lm/W)	87	84	Min. Luminous Efficacy (lm/W)
Min. Total Lumen (lm)	5,220	6,720	Max. Total Lumen (lm)

D3000 LR □ → LED Q'ty
□ → LED Model LR (Lumileds Rebel ES)
□ → Body

1. The comprehensive performance analysis has revealed that ICEPIPE D3000 Series is the most economical product in its class, meeting optimal performance requirements while also providing desirable "brightness", low temperature, long lifespan, electricity/maintenance cost savings etc.

※ The applicable power ranges indicate the luminous efficacy and total lumens that can be output by adjusting the power supply's current.

※ As the applicable power rating shifts from a higher to a lower rating, the total lumens is reduced but the luminous efficacy rises, and the reduced LED temperatures guarantee a longer lifespan.

2. Under unexpected circumstances that may require an increase (or decrease) in "brightness", it is possible to raise (or lower) the current to adjust the "brightness", so long as possible reduction in lifespan are taken into consideration, and accepted. Under such circumstances, please seek professional advice from the supplier.

