



2019

CATALOG



Professional Lighting · Smart control Leader



Industrial Lighting

Provides powerful illumination for industrial applications, such as stadium lighting, flood lights, and high bay light. The Lighting is the key operation devices not only energy saving but it's a shortcut to enhance work efficiency and reduce operation cost.

A wide-angle photograph of a large industrial facility, likely a factory or refinery. The scene is dominated by tall, green-painted metal structures that support a complex network of silver-colored pipes and ducts. These pipes run vertically and horizontally, some with yellow-painted sections. The floor is a light-colored, polished concrete. In the background, more industrial equipment and structural elements are visible, creating a sense of depth. The lighting is bright and even, highlighting the metallic surfaces and the organized layout of the machinery.

Industrial Lighting

- 02 ECO Standard
- 04 ECO Professional
- 06 ECO Advanced
- 08 ECO Super Power
- 10 ECO Mini
- 12 ECO Asymmetrical
- 14 ECO F-type
- 16 Eagles Sport System
- 18 Proudct Dimensions
- 20 ECO Accessories
- 22 VENUS 6000
- 24 GALAXY 8000
- 25 VENUS & GALAXY Accessories
- 26 TARVOS
- 28 HORNET

Street Lighting

- 32 CITIE 3000
- 34 CITIE 3000 CITYKEEPER

Harbor Lighting

- 38 Harbor Lighting

Smart Control

- 42 ECO-Link
- 48 City Keeper

ECO 1000






Standard Series

ECO1000 standard is from 100W to 150W Max. It is designed for multiple purpose such as Hi-Bay, Flood light in indoors or outdoors. The IP66 rating, rugged stainless bracket, 15~110 degree selectable beam angles and compact size fulfill all kinds of applications.

The thin frame and panel-like illumination chamber generate best brightness and comfortable glare control. 10KA SPD is standard equipment to minimize the damage from poor electricity. ECO-Link is also supported for smart control.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	MeanWell ELG / HLG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	    

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

105W~150W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1105CS-XW*	105W \pm 5%	160 pcs	$\geq 11,500$ lm (≥ 110 lm/W)	386x101x300mm	3.7 kg
ECO1135CS-XW*	135W \pm 5%	160 pcs	$\geq 14,850$ lm (≥ 110 lm/W)	386x101x300mm	4.0 kg
ECO1150CS-XW*	150W \pm 5%	160 pcs	$\geq 16,500$ lm (≥ 110 lm/W)	386x101x300mm	4.2 kg

210W~300W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1210CS-XW*	210W \pm 5%	320 pcs	$\geq 23,000$ lm (≥ 110 lm/W)	475x160x489mm	12.8 kg
ECO1270CS-XW*	270W \pm 5%	320 pcs	$\geq 29,500$ lm (≥ 110 lm/W)	475x160x489mm	13.8 kg
ECO1300CS-XW*	300W \pm 5%	320 pcs	$\geq 33,000$ lm (≥ 110 lm/W)	475x160x489mm	14.8 kg

ECO 1000

Professional Series

Professional version covers from 220W to 280W, use high power LED chips to enhance its system efficacy to over 110lm/w. It introduce Neotroni H-Type heatsink and modular Lens technology from narrow to wide beam angle and add 12degree solutions for longer distance.

This version also equipped with heavy duty brackets to fit on different purposes and poor environment. Many clients choose ECO1000 professional for stadium, factory for replacing 400W/500W or 1000W LPS/HPS/MH lamps. ECO-Link is supported.



Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70 / Ra \geq 80 (4000k, 3000k)
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

200W~280W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1220PL-XW*	220W \pm 5%	96 pcs	$\geq 26,000$ lm (≥ 120 lm/W)	442x143x295mm	8.0 kg
ECO1250PL-XW*	250W \pm 5%	112 pcs	$\geq 30,000$ lm (≥ 120 lm/W)	442x143x295mm	8.2 kg
ECO1280PL-XW*	280W \pm 5%	128 pcs	$\geq 33,500$ lm (≥ 120 lm/W)	442x143x295mm	8.4 kg

420W / 560W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1420PL-XW*	420W \pm 5%	192 pcs	$\geq 50,000$ lm (≥ 120 lm/w)	475x160x489mm	17.8 kg
ECO1560PL-XW*	560W \pm 5%	256 pcs	$\geq 67,000$ lm (≥ 120 lm/w)	475x160x489mm	18.0 kg

ECO 1000

Advanced Series

Advanced series is efficacy enhanced version from Professional series by using highest efficiency LED Chips and maximum LED nos. Over 130lm/w system efficacy let advanced series becomes a great selection on large scale area and high mast application.

Besides, Magnesium die-casting heatsink is also an optional choice which will reduce 30% lamp head weight and increase heat-dissipation speed. Until now, there are over 50 football fields had installed ECO1000 Advanced series as their new lighting devices in Euro.



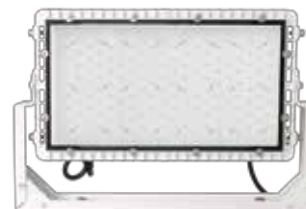
Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70 / Ra \geq 80 (4000k, 3000k)
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material for single lamp	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens, Tempered proof glass cover, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Material for Twin lamp	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens, Tempered proof glass cover, Stainless Standard Bracket / 30° Tilt bracket, Anti-corrosion, Anti-VibrationIndependent rotary modules with angle mark
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

200W~280W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1220PL-XW*	220W \pm 5%	128 pcs	$\geq 28,500$ lm (≥ 130 lm/W)	442x143x295mm	8.4 kg
ECO1250PL-XW*	250W \pm 5%	144 pcs	$\geq 32,500$ lm (≥ 130 lm/W)	442x143x295mm	8.6 kg
ECO1280PL-XW*	280W \pm 5%	160 pcs	$\geq 36,000$ lm (≥ 130 lm/W)	442x143x295mm	8.8 kg

420W / 560W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1420PL-XW*	420W \pm 5%	256pcs	$\geq 54,500$ lm (≥ 130 lm/W)	476x273x455mm	21 kg
ECO1560PL-XW*	560W \pm 5%	320pcs	$\geq 72,500$ lm (≥ 130 lm/W)	476x273x455mm	22 Kg

Industrial Lighting

- 02 ECO Standard
- 04 ECO Professional
- 06 ECO Advanced
- 08 ECO Super Power
- 10 ECO Mini
- 12 ECO Asymmetrical
- 14 ECO F-type
- 16 Eagles Sport System
- 18 Proudct Dimensions
- 20 ECO Accessories
- 22 VENUS 6000
- 24 GALAXY 8000
- 25 VENUS & GALAXY Accessories
- 26 TARVOS
- 28 HORNET

Street Lighting

- 32 CITIE 3000
- 34 CITIE 3000 CITYKEEPER

Harbor Lighting

- 38 Harbor Lighting

Smart Control

- 42 ECO-Link
- 48 City Keeper

ECO 1000






Standard Series

ECO1000 standard is from 100W to 150W Max. It is designed for multiple purpose such as Hi-Bay, Flood light in indoors or outdoors. The IP66 rating, rugged stainless bracket, 15~110 degree selectable beam angles and compact size fulfill all kinds of applications.

The thin frame and panel-like illumination chamber generate best brightness and comfortable glare control. 10KA SPD is standard equipment to minimize the damage from poor electricity. ECO-Link is also supported for smart control.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	MeanWell ELG / HLG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	    

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

105W~150W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1105CS-XW*	105W \pm 5%	160 pcs	$\geq 11,500$ lm (≥ 110 lm/W)	386x101x300mm	3.7 kg
ECO1135CS-XW*	135W \pm 5%	160 pcs	$\geq 14,850$ lm (≥ 110 lm/W)	386x101x300mm	4.0 kg
ECO1150CS-XW*	150W \pm 5%	160 pcs	$\geq 16,500$ lm (≥ 110 lm/W)	386x101x300mm	4.2 kg

210W~300W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1210CS-XW*	210W \pm 5%	320 pcs	$\geq 23,000$ lm (≥ 110 lm/W)	475x160x489mm	12.8 kg
ECO1270CS-XW*	270W \pm 5%	320 pcs	$\geq 29,500$ lm (≥ 110 lm/W)	475x160x489mm	13.8 kg
ECO1300CS-XW*	300W \pm 5%	320 pcs	$\geq 33,000$ lm (≥ 110 lm/W)	475x160x489mm	14.8 kg

ECO 1000






Professional Series

Professional version covers from 220W to 280W, use high power LED chips to enhance its system efficacy to over 110lm/w. It introduce Neotroni H-Type heatsink and modular Lens technology from narrow to wide beam angle and add 12degree solutions for longer distance.

This version also equipped with heavy duty brackets to fit on different purposes and poor environment. Many clients choose ECO1000 professional for stadium, factory for replacing 400W/500W or 1000W LPS/HPS/MH lamps. ECO-Link is supported.



Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70 / Ra \geq 80 (4000k, 3000k)
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	    

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

200W~280W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1220PL-XW*	220W \pm 5%	96 pcs	$\geq 26,000$ lm (≥ 120 lm/W)	442x143x295mm	8.0 kg
ECO1250PL-XW*	250W \pm 5%	112 pcs	$\geq 30,000$ lm (≥ 120 lm/W)	442x143x295mm	8.2 kg
ECO1280PL-XW*	280W \pm 5%	128 pcs	$\geq 33,500$ lm (≥ 120 lm/W)	442x143x295mm	8.4 kg

420W / 560W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1420PL-XW*	420W \pm 5%	192 pcs	$\geq 50,000$ lm (≥ 120 lm/w)	475x160x489mm	17.8 kg
ECO1560PL-XW*	560W \pm 5%	256 pcs	$\geq 67,000$ lm (≥ 120 lm/w)	475x160x489mm	18.0 kg

ECO 1000




Advanced Series

Advanced series is efficacy enhanced version from Professional series by using highest efficiency LED Chips and maximum LED nos. Over 130lm/w system efficacy let advanced series becomes a great selection on large scale area and high mast application.

Besides, Magnesium die-casting heatsink is also an optional choice which will reduce 30% lamp head weight and increase heat-dissipation speed. Until now, there are over 50 football fields had installed ECO1000 Advanced series as their new lighting devices in Euro.



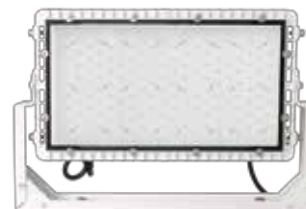
Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70 / Ra \geq 80 (4000k, 3000k)
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material for single lamp	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens, Tempered proof glass cover, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Material for Twin lamp	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens, Tempered proof glass cover, Stainless Standard Bracket / 30° Tilt bracket, Anti-corrosion, Anti-VibrationIndependent rotary modules with angle mark
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	    

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

200W~280W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1220PL-XW*	220W \pm 5%	128 pcs	$\geq 28,500$ lm (≥ 130 lm/W)	442x143x295mm	8.4 kg
ECO1250PL-XW*	250W \pm 5%	144 pcs	$\geq 32,500$ lm (≥ 130 lm/W)	442x143x295mm	8.6 kg
ECO1280PL-XW*	280W \pm 5%	160 pcs	$\geq 36,000$ lm (≥ 130 lm/W)	442x143x295mm	8.8 kg

420W / 560W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1420PL-XW*	420W \pm 5%	256pcs	$\geq 54,500$ lm (≥ 130 lm/W)	476x273x455mm	21 kg
ECO1560PL-XW*	560W \pm 5%	320pcs	$\geq 72,500$ lm (≥ 130 lm/W)	476x273x455mm	22 Kg

ECO 1000 Superb

Super Power Series

ECO1000 Superb series offer over 300W super high power models, include single lamp 350W, 2 lamps 700W, 3 lamps 1050W and Eagles sport system up to 2100W combination.

They are perfect solutions for replacing 1000W and 2000W HPS/LPS, with their reliable and high efficacy design, it satisfies all kinds of applications that you can imagine.



Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70
Drivers	MeanWell HLG/ HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V
Operation Temp.	-40°C~40°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-cast Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Multi-function rotary bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	

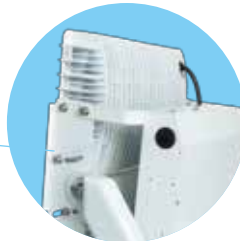
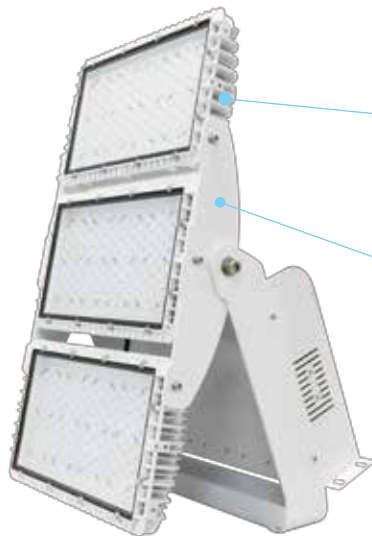
*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

350W/ 700W/ 1050W

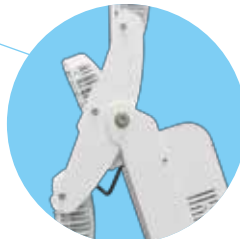
Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1350PL-XW*	350W \pm 5%	160 pcs	$\geq 45,500$ lm (≥ 130 lm/W)	441x132x300mm	8.8 kg
ECO1700PL-XW*	700W \pm 5%	320 pcs	$\geq 91,000$ lm (≥ 130 lm/W)	475x273x455mm	22 kg
ECO11050PL-XW*	1050W \pm 5%	480 pcs	$\geq 136,500$ lm (≥ 130 lm/W)	401x357x719mm	28 kg



New H-Type (High heat dissipation)
release inner heat in quick speed.



Special design Joint boards connect 3
lamps, offer rotary ability for each
module and prevent from light
interference with each other.



Basketball Court



Power Plant



Kao Ming Terminal service corp.
Kaohxiung Port



Benz Bremen

ECO 1000 Mini

Mini ECO is a small and compact lamp and maximum to 100W. Still utilize Neotorni modular Lens technology just like other ECO series. Also, it offer a 7 degree super narrow beam angle special version which is able to spot long distance. Mini ECO is a economical choice under 100W and still need good beam angle control ability.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	MeanWell ELG / HLG / NPF series LED Driver, 1~10V Dimmable
AC Input	90~264V / 90~305V
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/ 15°/ 30°/ 60°/ 80°/ 110° (7° Optional)
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, Stainless Standard Bracket, MCPCB, PC Lens,
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	  

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

40W~105W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1045CS-XW*	40W \pm 5%	48 pcs	$\geq 4,400$ lm (≥ 110 lm/W)	220x82x220mm	2.4 kg
ECO1060CS-XW*	60W \pm 5%	64 pcs	$\geq 6,600$ lm (≥ 110 lm/W)	220x82x220mm	2.6 kg
ECO1085CS-XW*	80W \pm 5%	80 pcs	$\geq 8,800$ lm (≥ 110 lm/W)	220x82x220mm	2.8 kg
ECO1105CS-XW*	100W \pm 5%	80 pcs	$\geq 11,000$ lm (≥ 110 lm/W)	220x82x220mm	2.9 kg

170W~200W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1170CS-XW*	170W \pm 5%	160pcs	$\geq 18,500$ lm (≥ 110 lm/W)	480x97x320mm	7.44 kg
ECO1200CS-XW*	200W \pm 5%	160pcs	$\geq 22,000$ lm (≥ 110 lm/W)	480x97x320mm	7.44 kg

ECO 1000 Asymmetrical

Asymmetrical Flood Light

ECO1000 Asymmetrical model is designed to solve the high glare and poor uniformity problem on some applications. Such as Tennis course, Car park, Billboard and those sites which are not ideal using symmetrical flood light.

It offers from 200W~450W, single module and 2 modules. The photometric is controlled by Neutroni designed special lens to keep it in a compact size.



- Asymmetric beam angle
- Super Hi-Uniformity

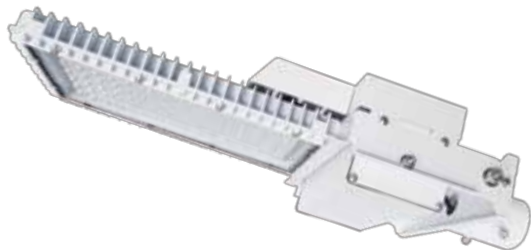
Specifications

LED Chips	NICHIA / CREE
CRI	Ra \geq 70 / Ra \geq 80 (4000k, 3000k)
Drivers	MeanWell HLG-240H, IP65 Rating, 1~10V dimmable
AC Input	90~305V
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	Lamp Head: IP66 / Driver Box: IP54
Beam Angles	Asymmetric, Vertical Spread: 25°, Horizontal Spread: 95°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, Aluminum top cover, Stainless Power box, Tempered proof cover glass
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

200W~240W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1220PL-AS	200W \pm 5% 240W (Max.)	96 pcs	$\geq 24,000$ lm (≥ 120 lm/w)	444x138x562mm	8.2 kg

400W~450W

Efficacy ≥ 120 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
ECO1400PL-AS	400W \pm 5%	192pcs	$\geq 48,000$ lm (≥ 120 lm/W)	562x138x777mm	12 kg
ECO1450PL-AS	450W \pm 5%	192pcs	$\geq 54,000$ lm (≥ 120 lm/W)	562x138x777mm	12 kg

ECO 1000 F-type

Economic High-Bay / Flood Light

F-Type is the economiest model from Neotroni. Low cost, lens free but highe efficacy for general purpose lighting. It has many advantages cmpared with other low cost flood/hi-bay light: Lower glare, high CRI , compact size and light weight.

F-Type is a good choice when beam angle selection is not an important issue but still need best quality and guarantee.

PREMIUM EFFICACY

System Efficacy $\geq 132\text{lm/w}$,
output lumens up to 14,000lm

Under driver design, longer durability

192pcs OSRAM High CRI LED Chips,
increase 20% efficacy

PURE WHITE, LESSER BLUE COLOR, AND HIGHER CRI.

5000K CCT is the purest white color,
and $\geq 80\text{CRI}$ let ambient more vivid.

Not only brighter, and more brilliant.

Gentle and soft lighting has benefit to visual and spirit.
High CRI is a world trend in indoors application which
let your environment more colorful.

UNCOMFORTABLE GLARE?

Over 6 times size illumination area,
eliminate high glare problem

Keep away low quality product!

Too much light emitted from small size COB LED chip will
generate extreme high glare and impact your visual.
ECO1000 mini 105W use 192pcs Emitter LED, just like a
panel is able to low down 60% glare and more comfortable.

ANY PLACE QUICK FIT THEN USE

No worry for Beam angle selection,
installation height ranges from 4m to 10m.

120° beam angle is able to cover wide area, with
its superior efficiency and lumens output. You can
get satisfied brightness and good uniformity from
lower 4m to even 10m within minimal loss.



70 CRI

80 CRI



HIGH QUALITY

Economic High-Bay / Flood Light

Specifications

Model No.	ECO1105CS-XW*
Watts	105W \pm 5%
LED Chips	OSRAM / PHILIPS
CRI	\geq 80
LED nos.	192 pcs
Total Lumens (Cool-White)	\geq 13,650 lm (\geq 130 lm/w)
AC Input	110~277V
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	120°
Color Temp.	Cool White (5000K)
Dimensions	220x82x220mm
Weight	2.8 kg
Material	Die-Casting Aluminum / All Black, Tempered proof glass, IK08 Stainless steel bracket with 2 stop screws
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	CE ENEC

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.



LIGHT WEIGHT, MULTIPLE FUNCTION

2.8Kg includes LED power, Stainless bracket with stop screws, IP66 Rating, suitable for indoors and outdoors



Factory outdoor / Indoor lighting



Hypermarket / Mall / Parking



Logistics & Warehouse



Exhibition / Conference Hall

EAGLES

Revolutionary Super System

Eagles sport system is specially designed for high mast and stadium tower lighting, which combines multiple ECO1000 lamp module into a free rotary bracket set. The modular design allow quick maintenace for lamp head and LED power.

Utilize ECO1000 rich beam angles combination to generate sophisticated light distribution to fulfill superior uniformity andf brightness.

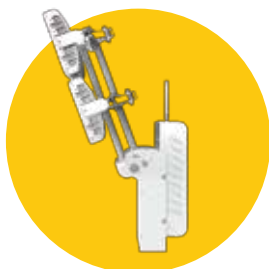
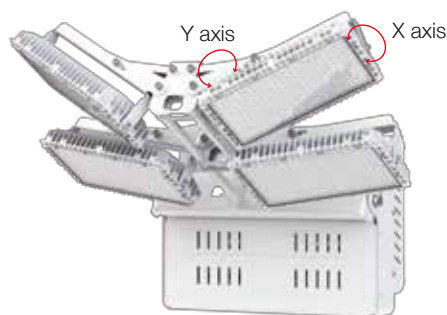


Specifications

LED Chips	CREE
CRI	Ra \geq 70
Drivers	MeanWell HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~518V
Operation Temp.	-40°C~45°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	12°/15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-cast Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, Stainless Standard Bracket & Rotary arm structure
Surge Protection	10KA SPD (120-277V or 347-480V AC) (Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
Memo	Power box detachable, support remote power installation
COO	Made in Taiwan
Certification	    

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

EAGLES 4



- ◆ Patent 3D Rotary Joints
- ◆ 3G Anti-vibration
- ◆ IK08 Rating
- ◆ 0-60° in X axis
- ◆ -45°~45° in Y axis
- ◆ 0-70° on Main arm
- ◆ 304 Stainless steel +AL alloy
- ◆ PVDF anti-corrosion coating

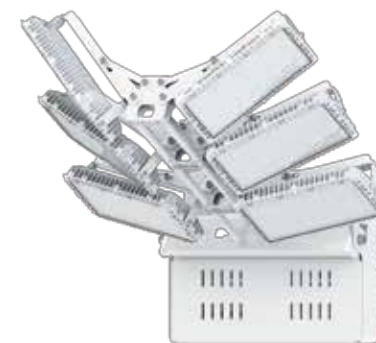


- ◆ Narrow-to-Wide beam angles
12/15/30/60/80/110°
- ◆ MML Solution
(Module Mixed Lens)

EAGLES5



EAGLES6

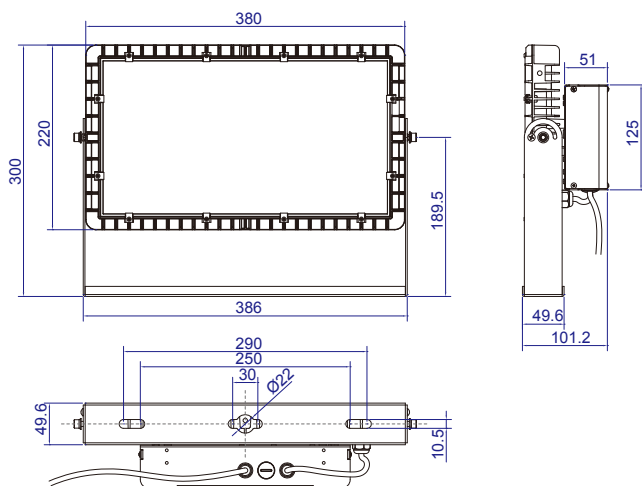


Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight (Include power box)	Weight (Exclude power box)
EAG4-880-XW*	880W±5%	384 pcs	≥ 114,000 lm (≥ 130 lm/w)	894x481x812mm	47 kg	37 kg
EAG4-1000-XW*	1000W±5%	512 pcs	≥ 130,000 lm (≥ 130 lm/w)	894x481x812mm	47 kg	37 kg
EAG4-1120-XW*	1120W±5%	640 pcs	≥ 145,600 lm (≥ 130 lm/w)	894x481x812mm	47 kg	37 kg
EAG4-1400-XW*	1400W±5%	640 pcs	≥ 168,000 lm (≥ 130 lm/w)	894x481x812mm	47 kg	37 kg

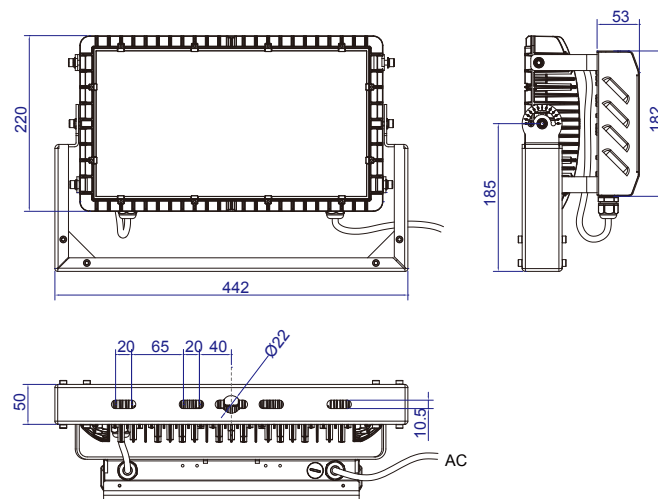
Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
EAG5-1100-XW*	1100W±5%	480 pcs	≥ 143,000 lm (≥ 130 lm/w)	894x433x982mm	52 kg
EAG5-1250-XW*	1250W±5%	640 pcs	≥ 162,500 lm (≥ 130 lm/w)	894x433x982mm	52 kg
EAG5-1400-XW*	1400W±5%	800 pcs	≥ 182,000 lm (≥ 130 lm/w)	894x433x982mm	52 kg
EAG5-1750-XW*	1750W±5%	800 pcs	≥ 210,000 lm (≥ 130 lm/w)	894x433x982mm	52 kg

Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight (Include power box)	Weight (Exclude power box)
EAG6-1320-XW*	1320W±5%	576 pcs	≥ 171,600 lm (≥ 130 lm/w)	894x563x1038mm	62 kg	50 kg
EAG6-1500-XW*	1500W±5%	768 pcs	≥ 195,000 lm (≥ 130 lm/w)	894x563x1038mm	62 kg	50 kg
EAG6-1680-XW*	1680W±5%	960 pcs	≥ 218,400 lm (≥ 130 lm/w)	894x563x1038mm	62 kg	50 kg
EAG6-2100-XW*	2100W±5%	960 pcs	≥ 252,000 lm (≥ 130 lm/w)	894x563x1038mm	62 kg	50 kg

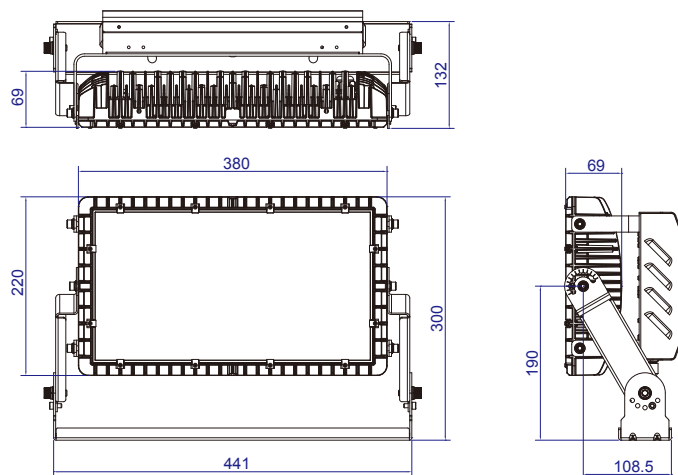
Standard Series



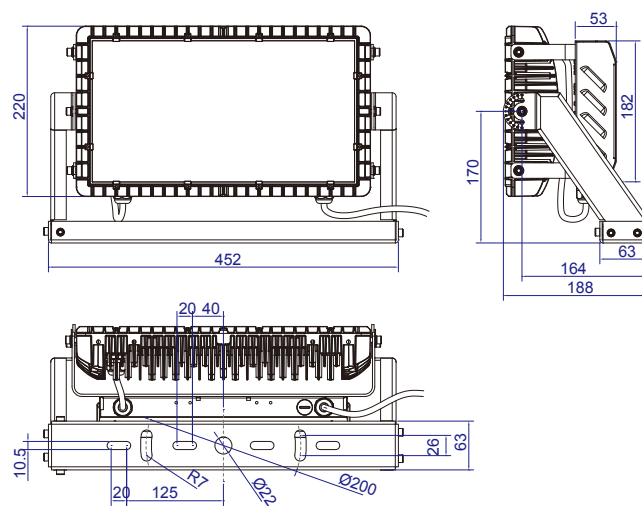
Professional Series



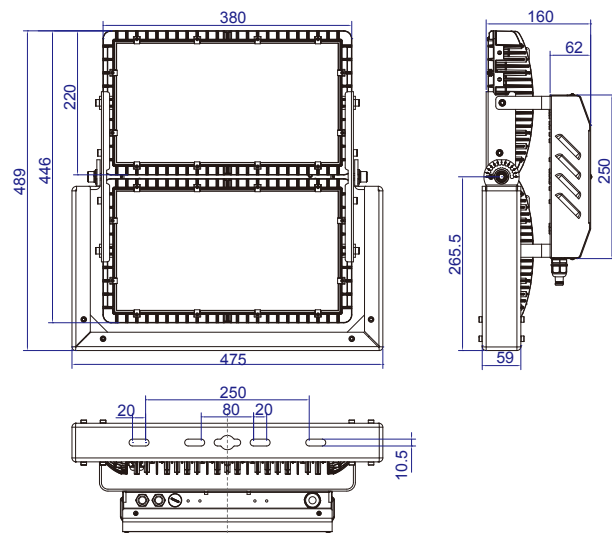
Multi-function rotary bracket



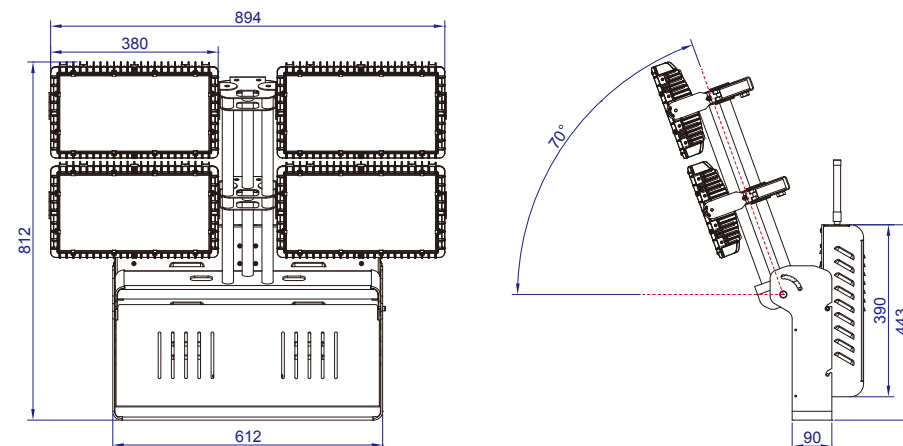
Advanced Series



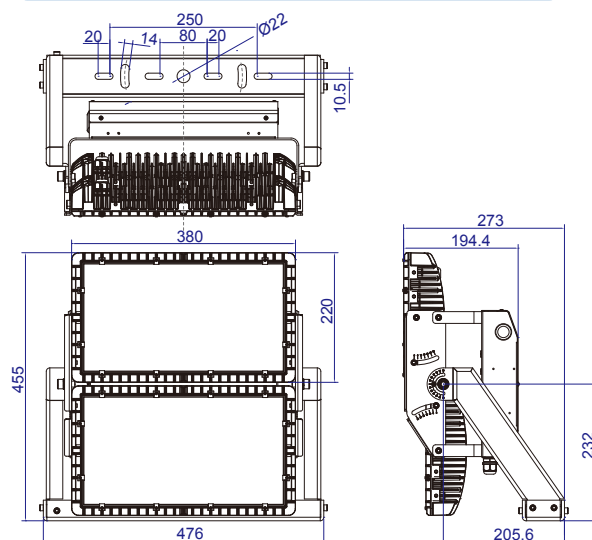
Standard & Professional Series



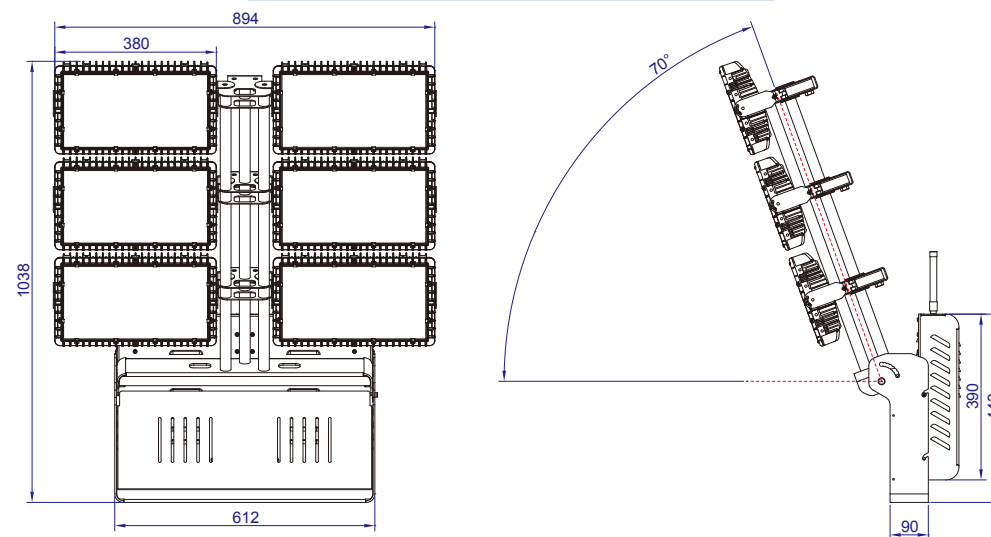
Eagles 4



Advanced Series



Eagles 6



ECO 1000 ACCESSORIES

Pendant



Length : 60、80、100、120、305cm (optional)
Material : Stainless Steel, Length Adjustable

Stem



Length : 60、80、120cm (optional)
Material : Steel

Pole Clamps



Dimensions : W120xD25xH120mm
Color : White / Black
Material: Stainless Steel

Wire Guard



Dimensions : W323 x D221 x H33.5mm
Material : Stainless Steel

30° Tilt Enhanced Bracket For Single Lamp



Dimensions : W452 x D188 x H194mm
Color : White / Black
Material: Stainless Steel, PVDF Coating

Multi-Function Rotary Bracket For Single Lamp



Dimensions : W440 x D60 x H235mm
Color : White / Black
Material: Stainless Steel, PVDF Coating

Glare Shield Visor



Dimensions : W323 x D230 x H223mm
Color : White / Black
Material : Aluminum

Glare Shield Baffle



Dimensions : W323 x D230 x H223mm
Color : White / Black
Material : Aluminum

Bracket For 4 Set Lamp



Dimensions : W806 x D609 x H277mm
Material : Aluminum, Stainless Bracket
4 ways rotary on each lamp

30° Tilt Enhanced Bracket For Multiple Lamp



Dimensions : W476 x D233 x H260mm
Color : White / Black
Material : Stainless Steel, PVDF Coating

Right Enhanced Bracket For Multiple Lamp



Dimensions : W476 x D59 x H292mm
Color : White / Black
Material : Stainless Steel, PVDF Coating

Diffuser



Dimensions : W343 x H85 x D3mm

VENUS 6000







Standard / Professional Series

Venus 6000 series Neutroni famous and classic product in the world, the delicate and elegant design let Venus series become the most welcome LED high bay product. After over 7 years after its first announcement, it is still the top selling model in North America market.

Lost of accessories had introduced and developed for this masterpiece, and now it also support ECO-Link system to get smart control ability.



Specifications

LED Chips	OSRAM / PHILIPS (Standard Series), NICHIA / CREE (Professional Series)
CRI	Ra \geq 82 (Standard Series), Ra \geq 70 (Professional Series)
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C (< 280W), - 40°C~40°C (280W)
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	15°/30°/60°/80°/110°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens, Tempered proof glass cover, Stainless Standard Bracket
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	     

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

100W / 135W

Efficacy ≥ 115 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
HVD-6100	100W \pm 5%	144 pcs	$\geq 11,500$ lm (≥ 115 lm/W)	383x90x360mm	6.5 kg
HVD-6150	135W \pm 5%	144 pcs	$\geq 15,500$ lm (≥ 115 lm/W)	383x90x360mm	6.5 kg

200W / 240W / 285W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
HVD-6200	200W \pm 5%	100pcs	$\geq 26,000$ lm (≥ 130 lm/W)	383x90x360mm	7.2 Kg
HVD-6240	240W \pm 5%	120pcs	$\geq 31,200$ lm (≥ 130 lm/W)	383x90x360mm	7.2 Kg
HVD-6285	280W \pm 5%	140pcs	$\geq 36,000$ lm (≥ 130 lm/W)	383x90x360mm	7.6 Kg

GALAXY 8000

Standard Series

Galaxy 8000 is unique bi-directional LED lamp, 2 side lamps spot upward and main central light faces down to provide 70% to ground and 30% to ceiling. Upward indirectional light offer comfortable feeling and downward direct light offer sufficient brightness.

It is a ideal choice for shopping mall and interior space which need sufficient brightness everywhere.





150W / 240W

Efficacy ≥ 110 lm/w



Model No.	Watts	LED Chips	CRI	LED nos.	Total Lumens (Cool-White)
GLD-8150	150W \pm 5%	OSRAM / PHILIPS	Ra \geq 82	176 pcs	\geq 15,750 lm (\geq 105 lm/W)
GLD-8240	240W \pm 5%	NICHIA / CREE	Ra \geq 70	120 pcs	\geq 26,400 lm (\geq 110 lm/W)

Specifications

Drivers	MeanWell HLG / HVG series LED Driver, 1-10V Dimmable
AC Input	90~305V / 180~528V
Operation Temp.	-40°C~45°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	15°/30°/60°/80°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Dimensions	468x191x443mm
Weight	8.5kg
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket / Stainless 30° Tilt bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	   

VENUS 6000 & GALAXY 8000 ACCESSORIES

Pendant



Length : 60、80、100、120、305cm (optional)
Material : Stainless Steel, Length Adjustable

Stem



Length : 60、80、120cm (optional)
Material : Steel

Wire Guard



Dimensions : Ø284mm x D76mm
Material : Stainless Steel

Bracket



Dimensions : W303 x D40 x H198mm (Top Bracket)
W309 x D48 x H40mm (Down Bracket)
Material : SPHC

Pendant



Length : 60、80、100、120、305cm (optional)
Material : Stainless Steel, Length Adjustable

Stem



Length : 15、60、120cm (optional)
Material : Steel

TARVOS


Heavy-Duty, Multi-purpose

Tarvos is a unique heavy-duty lamp for most critical environment, such as Mining industry, tunnel and heavy machine. It offers linear shape and road lamp type (TarvosPM)

TarvosPM even supports Netroni battery backup module for emergency purpose. The 135 degree wide beam angle is great to cover large area and good uniformity.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	MeanWell LPF / NPF series, 1~10V Dimmable
AC Input	90~305V
Emergency support	12V DC, Ni-MH 4/5A 2200mAh 12V Emergency converter, 7W output 90mins when in Emergency
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	135°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Material	Aluminum Extrusion Housing, Aluminum Die-Casting Side cover, PVDF Coating(Silver), PC cover, PC Lens, M20 Cable Gland Holes (for AC & Dimming wires), Anti-Corrosion SUS316 Stainless Screws
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 5G vibration test, >62m/sec wind pressure test
Certification	CE 

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

27W / 42W

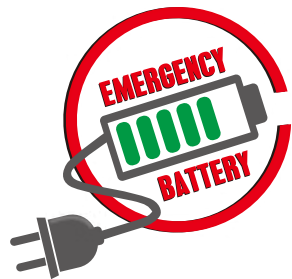
Efficacy >105 lm/w
(Standard Type)



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
TAR20XS	27W±5%	32 pcs	≥2,800 lm (≥105 lm/W)	498x100x65mm	2.8 Kg
TAR20S	27W±5%	32 pcs	≥2,800 lm (≥105 lm/W)	660x100x65mm	3.8 Kg
TAR40S	42W±5%	64 pcs	≥4,400 lm (≥105 lm/W)	660x100x65mm	4.0 Kg
TAR40L	42W±5%	64 pcs	≥4,400 lm (≥105 lm/W)	1260x100x65mm	5.5 Kg

Street light Type

Efficacy ≥ 105 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions	Weight
TAM40S	42W±5%	64 pcs	≥4,400 lm (≥105 lm/w)	562x444x138mm	8.2 kg

HORNET

Mobile work lamp

Specifications

Watts	120W, twin rotary heads, each = 60W
Efficacy	$\geq 14,400$ lm (≥ 120 lm/W)
LED Chips	OSRAM / PHILIPS
CRI	Ra ≥ 82
Drivers	Darfon DBL-070 DC / DC LED Driver *2
AC source	Industrial desktop AC / DC 12v 60w adaptor, 90~264v AC (included)
DC source	12v Lithium-ion or Lead-Acid battery (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	120°
Color Temp.	Cool White(5000K)
Material	Aluminum Extrusion Housing, Aluminum Die-Casting Side cover, PVDF Coating (Silver), PC cover, Anti-Corrosion SUS316 Stainless Screws
Dimensionsl	270x187x1420mm (LxWxH, before expanded)
Weight	13.5 kg
Stand	Aluminium tripod, Height adjustable from 1.2m~2.3m
Smart Controlling	Support ECO-Link
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Certification	CE



*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

Hornet LED work lamp is a innovative mobile Lighting device with 2 multi-joints rotary heads and wireless contrable electrical box, user can adjust spot direction according to different scenario. Any one of the head can be turned on / off independantly via switches and do dimming as will using manual or wireless remote controller. If equipped with gateway, you can even control by cellphone via WiFi or 4G network.

Hornet is also a Zigbee linkable system, multiple lamps are able to connect with each other and controllable via remote controller or cell phone. It is the best mobile LED device suitable for work site, factory and even for outdoors activities.



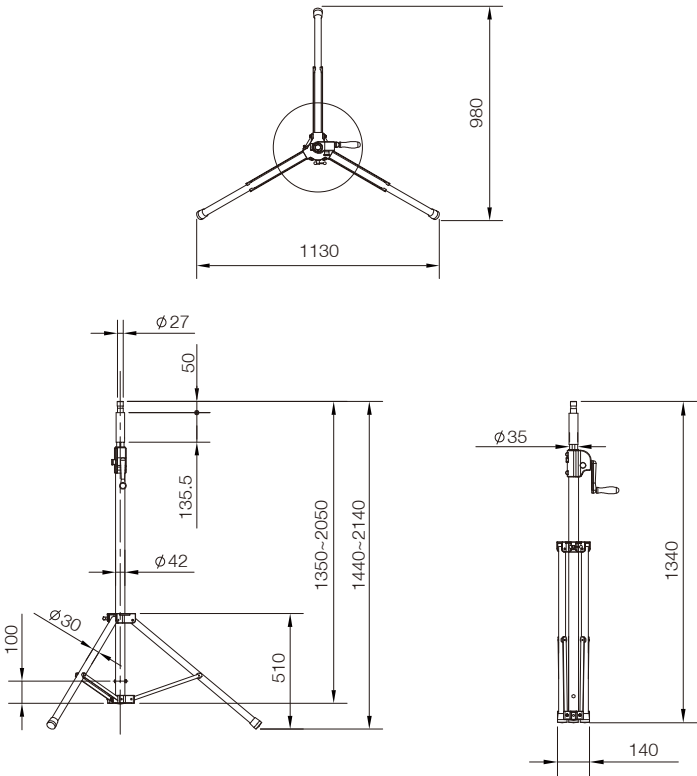
Controllable via Remote controller of cellphone (via gateway)



30M Zigbee antenna



Move-to-stop rotary arms



Accessories (Optional)



Tripot Bag



Lamp case



12v Battery



AC / DC 12v Adapter



Factory lighting



Regional or temporary lighting



Maintenance work lamp



Outdoors activities lighting



STREET LIGHTING

Street lights are important for ensuring road safety at night. We use the most up-to-date technology to give you a high standard of visibility.



CITIE 3000




Standard Series Power separated

CITIE 3000 is new generation LED street light from 35W to 150W, the All in one die-casting lamp head offer greatest reliability. Over 80 CRI for all CCT brings most comfortable visual effect for the environment but still keep its efficacy to over 130lm/w.

Neutroni top grade optical technology let CITIE 3000 has best photometric for all kinds of road with high standard uniformity. It also support solar system, emergency backup and AC redundant system to let it become a most successful LED street light.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	Billinton40W / MeanWell HLG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	135° Semi-Cut Type III
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Weight	3.9kg (Driver excluded) / 4.8kg (Driver included)
Material	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter (optional) / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	  

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

35W~150W

Efficacy ≥ 130 lm/w



Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Dimensions
CIT3035	35W±5%	42pcs	≥4,550 lm (≥130 lm/W)	385x250x120mm
CIT3100	66W±5%	84pcs	≥8,550 lm (≥130 lm/W)	385x250x120mm
CIT3135	100W±5%	126pcs	≥13,000 lm (≥130 lm/W)	385x250x120mm
CIT3065	135W±5%	168pcs	≥17,550 lm (≥130 lm/W)	385x250x120mm
CIT3150	150W±5%	168pcs	≥19,500 lm (≥130 lm/W)	385x250x120mm

Multiple Modules

Citie 3000 is modular design from 1-4 modules, each module composes of 42 LED chips and PC lens.

This offers high flexibility to generate different wattage combination and keep same efficacy.



Single module



2 modules



3 modules



4 modules

CITIE 3000 CITYKEEPER

Power inside, support wireless control

CITIE 3000 CITY Keeper is a LED power built-in version and is able to support CITY Keeper controller via optional NEMA socket.

It had shipped over 30,000pcs and installed all over the world in only 2 years after it announced.



Specifications

LED Chips	OSRAM / PHILIPS
CRI	Ra \geq 82
Drivers	MeanWell HLG / ELG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~50°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	135° Semi-Cut Type III
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Weight	3.9kg (Driver excluded) / 4.8kg (Driver included)
Material	Die-casting Aluminum Heat Sink, White / Black painting, MCPCB, PC Lens
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	Support City keeper Zigbee controller (NEMA 7 pins socket)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 3G vibration test, >62m/sec wind pressure test
Certification	  

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.



Support NEMA based
Zigbee controller

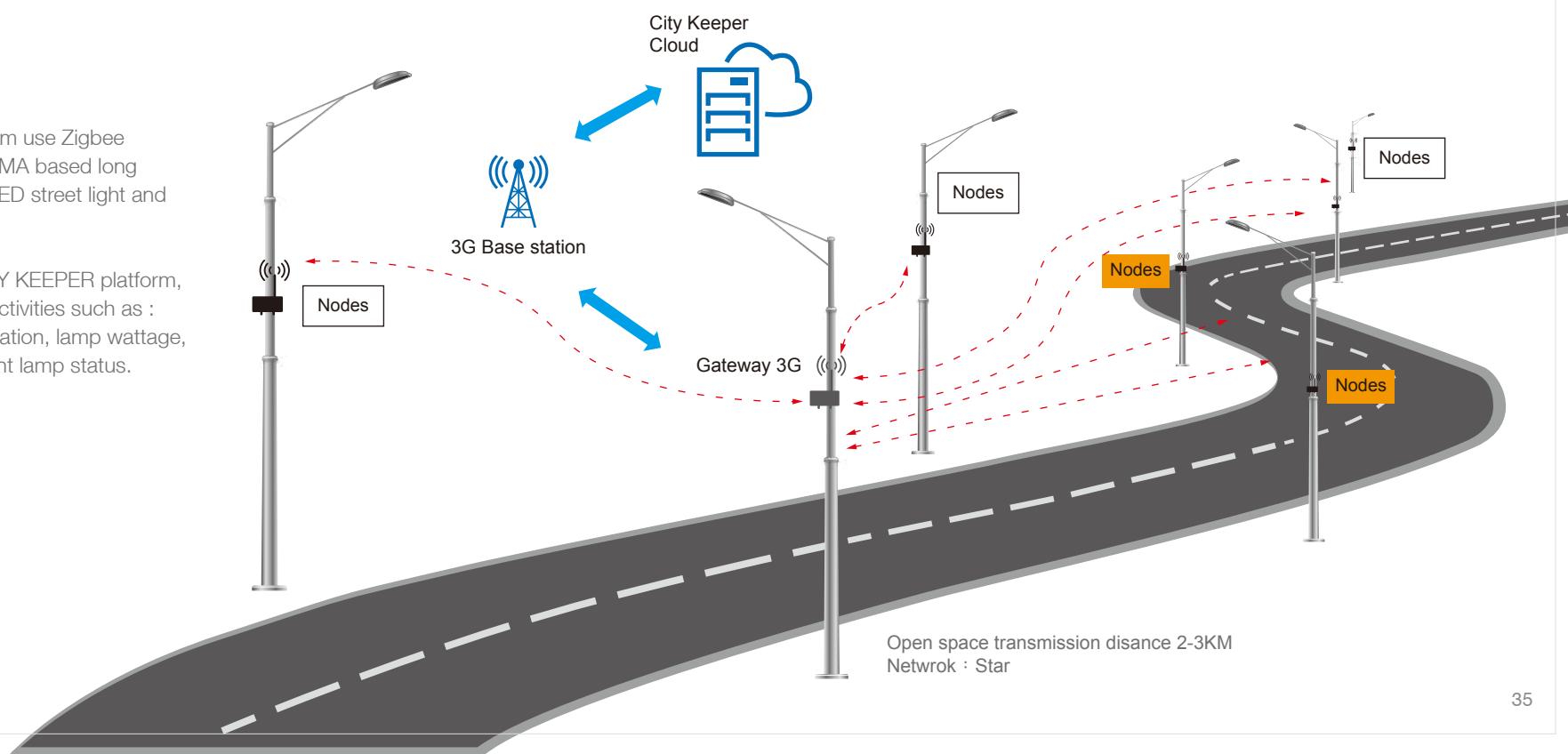
35W~150W

Efficacy ≥ 130 lm/w

Model No.	Watts	LED nos.	Total Lumens (Cool-White)	Weight	Dimensions
CIT3035-B	35W \pm 5%	42pcs	$\geq 4,550$ lm (≥ 130 lm/W)	5.6 kg	515x268x155mm
CIT3100-B	66W \pm 5%	84pcs	$\geq 8,550$ lm (≥ 130 lm/W)	5.6 kg	515x268x155mm
CIT3135-B	100W \pm 5%	126pcs	$\geq 13,000$ lm (≥ 130 lm/W)	5.6 kg	515x268x155mm
CIT3065-B	135W \pm 5%	168pcs	$\geq 17,550$ lm (≥ 130 lm/W)	5.6 kg	515x268x155mm
CIT3150-B	150W \pm 5%	168pcs	$\geq 19,500$ lm (≥ 130 lm/W)	5.6 kg	515x268x155mm

The **Citie 3000 CITY KEEPER** system use Zigbee communication technology under NEMA based long distance controller to monitor every LED street light and implement remote controlling ability.

Via Google map and Web-based CITY KEEPER platform, user is able to monitoring operation activities such as :
ONLINE, OFFLINE, ERROR, lamp location, lamp wattage, AC voltage, dimming value and current lamp status.



The background of the slide is a photograph of a busy port at sunset. Several large gantry cranes are visible, their long jibs extending over the water. Cargo ships are docked at the pier, and the sky is a mix of orange, yellow, and blue. The water reflects the light from the sky.

Harbor & **M**achine **H**igh **M**ast **L**ighting Total Solution



Harbor Lighting

Rugged Design, Anti-Vibration, Corrosion proof



GLD Crane LED lamp 240W / 270W

Model No.	Watts	LED Chips	LED nos.	Total Lumens (Cool-White)	Weight
GLD-8240H	240W±5%	OSRAM	168 pcs	≥22,800 lm (≥95 lm/W)	15 kg
GLD-8270H	270W±5%	NICHIA / CREE	140 pcs	≥29,700 lm (≥110 lm/W)	15 kg

Specifications

CRI	Ra ≥70
Drivers	MeanWell HLG / HVG series LED Driver, 1~10V Dimmable
AC Input	90~305V / 180~528V (Optional)
Operation Temp.	-40°C~45°C
Storage Temp.	-40°C~80°C
IP Rating	IP66
Beam Angles	7°, 15°/30°/60°/80°
Color Temp.	Warm White(3000K) / Natural White(4000K) / Cool White(5000K)
Dimensions	468x191x443mm
Material	Die-casting Aluminum Heat Sink, White / Black painting, Tempered proof glass cover, MCPCB, PC Lens, Stainless Standard Bracket, Stainless 30° Tilt bracket (Optional)
Surge Protection	SPD Meets ANSI C136.2 Enhanced Level 10kV/5kA (20kV Optional)
Smart Controlling	DALI supported via Meanwell DALI converter / Support ECO-Link (Optional)
Warranty	5 Years, LifeSpan>50,000 hrs
COO	Made in Taiwan
Passed the Test	Passed 360 hrs salty spray test, 5G vibration test, >62m/sec wind pressure test
Certification	CE RoHS

*Efficacy calculation includes all of the loss from heat, LED power and optical lens.

Neotroni had developed professional harbor & terminal lighting business for many years, notable clients include:
 Wan Hai marine, OOCL, Evergreen marine corp. IHI corp. (Japan), Yang Ming marine, Kao Ming terminal service corp.
 HIT Terminal service corp. (H.K) and many famous global marine enterprises, occupy 70% market sharing in Taiwan
 harbor LED lighting.



Other models suitable for harbor lighting:



Tarvos



ECO1000 Advanced
220W~350W



ECO1000 Advanced
420W~700W



China Container Terminal Corp.
Keelung Port



Wan Hai Marine Corp.
Taichung Port



Yang-Ming marine corp.
Kaohsiung Port



Wan Hai marine
Taichung Port



Taipei Terminal Service corp.
Taipei Port



ZPMC
Keelung Port



Kao Ming Terminal service corp.
Kaohsiung Port



Taipei Terminal Service corp.
Taipei Port



Wan Hai marine
Taichung Port



OOCL
Taichung Port



IOT SMART CONTROL

IOT (Internet Of Thing) is a world trend and lighting control is the most important part. Neutroni Smart Control System, ECO-Link Pro and CITY Keeper are ready for the revolution. It is the most economical and complete system no matter in indoors or outdoors application, even LED street light management.

By using simplest remote controller/wall touch panel, rich-function cellphone app, or even monitoring and controlling via Google map platform, there are many choices for your intelligent controlling requirement.



ECO-Link Pro

APP version Support Android, IOS, PC

ECO-Link

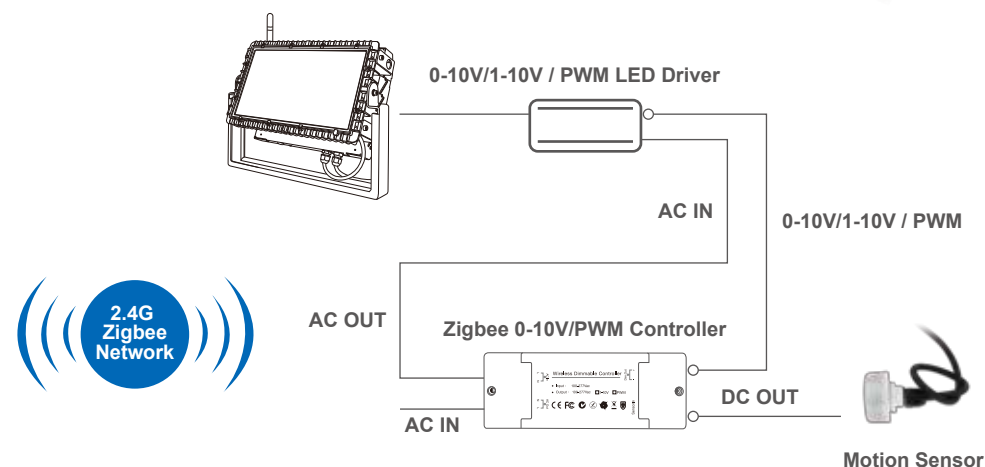
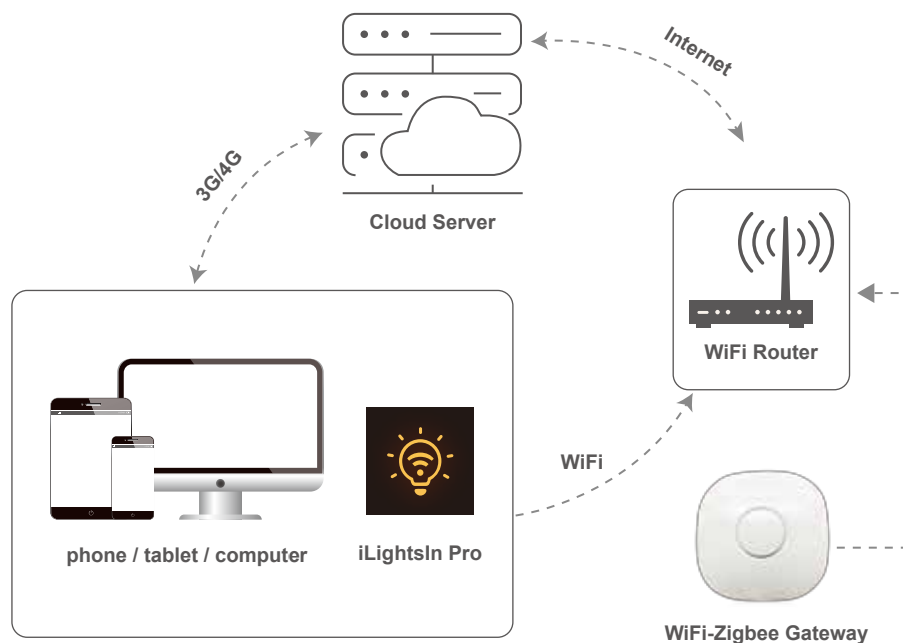
Zigbee Wireless Control System



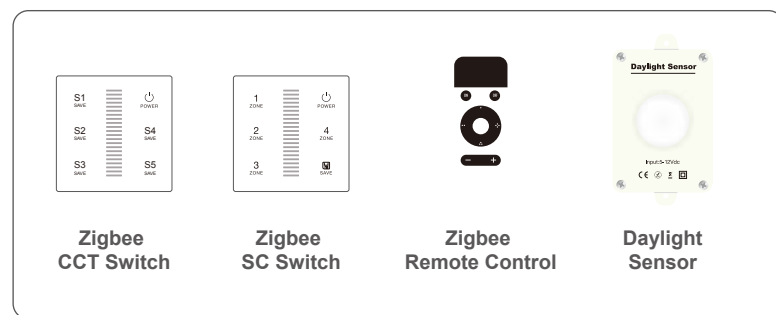
ECO-Link is a short and medium range of LED lamp controlling system via Zigbee Mesh network, it composes of lamp controllers, Gateway, remote controller / switches and sensors. Outdoors waterproof lamp controller is able to transmit to 100M, the other device is 30M.

You can design your scenes, area, group, timer, sensor functions via App and control using cellphone or PC system, also, you can skip Gateway behind and control your lamp directly via Zigbee remote controllers and switches. Beside, it is able to utilize the Motion sensor and Daylight sensor anytime for automatic sensing and even daylight harvest AUTO dimming control.

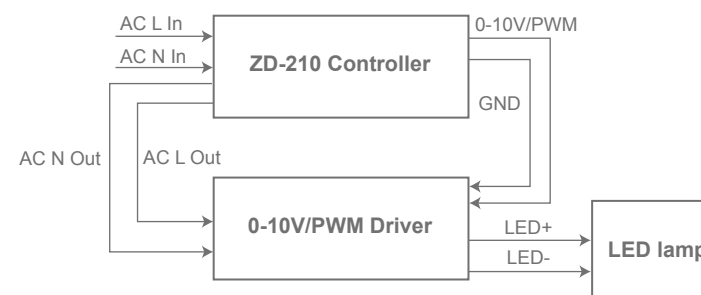
DEMO KIT AVAILABLE!



Wiring Diagram



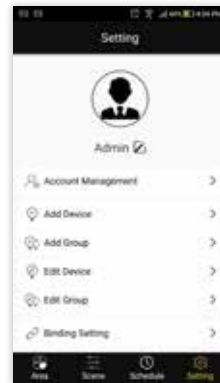
Remote Controller



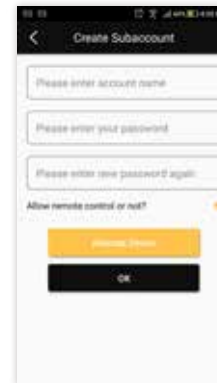
The following is ZD-210 connection system diagram, the motion sensor is optional

Installation APP

1. Install App into smart phone or tablet device .
2. IOS: search and install “iLightsIn Pro” from App Store.
3. Android: search and install “iLightsIn Pro” from Google Play.



Settings



Create Subaccount



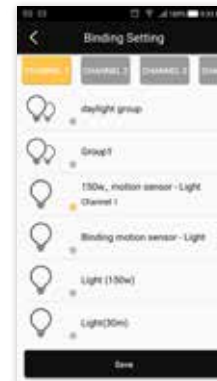
Scenes



Lamp function setup



Edit lamp



Remote controller & sensors
Binding settings



Timer



Auto lux setting for
Daylight sensor



Indoors lighting



Outdoors lighting



Factory / Warehouse



Exhibition / Conference Hall

ZD-212XP Zigbee Controller

(IP65 Water proof)



ZD-210P and **ZD-212XP** are slave Zigbee controllers, via Zigbee mesh network to communicate with ZD310P Zigbee Gateway.

All Meanwell or Philips LED driver with 0-10V or PWM interface are controllable.

※Environment and Electrical parameters

Parameters	ZD-212XP
Input power	AC100-277 Vac
Output voltage	0-10V
Max current of 0-10V	20mA
Max current of Relay	10A
Wireless Frequency	2.4GHz
Operation temperature	-20°C ~ 70°C
Power supply	3 in 1 power supply such as MEAN WELL and MOSO
Transmitting Distance	100m (Open space)

ZD-210P (Indoors) Zigbee Controller



※Environment and Electrical parameters

Parameters	ZD-210P
Input power	AC100-277 Vac
Output voltage	0-10V
Max current of 0-10V	20mA
Max current of Relay	10A
Wireless Frequency	2.4GHz
Operation temperature	-20°C ~ 70°C
Power supply	3 in 1 power supply such as MEAN WELL and MOSO
Transmitting Distance	30m (Open space)

ZD-310P Zigbee-WIFI Gateway



ZD-310P Gateway is a host Zigbee concentrator /Transmitter to gather and transmit data / command between APP and Zigbee slave controllers (ZD-210P, ZD-212XP).

ZD-310P transfer signal to WIFI, you can use a standard WIFI router to connect with ZD-310P, and Cellphone APP control the system under WIFI signal.

If WIFI router is able to connect internet, your APP is able to work via 3G/4G network to control system.

※Environment and Electrical parameters

Parameters	ZD-310P
Input Voltage	5V DC (With AC / DC Adaptor)
Wireless Frequency	2.4GHz, Zigbee
Operation Temp.	-20°C ~ 70°C
To WIFI Router Distance	3M
Transmitting Distance	30m (Open space)

ZD-510P Zigbee Daylight Sensor (IP65 Water proof)



The **ZD-510P** is a Zigbee wireless Daylight sensor to detect lux level and send lux reading to APP for automatic daylight harvest controlling or maintain stable brightness. IP65 rating, suitable for outdoors.

※Environment and Electrical parameters

Parameters	ZD-510P
Input Voltage	AC100-277 Vac
Wireless Frequency	2.4GHz, Zigbee
Operation Temp.	-40°C ~ 85°C
IP Rating	IP65
Lux Detecting Range	0~65528 Lux
Accuracy	10 Lux
Transmitting Distance	30m (Open space)

ZD-530P

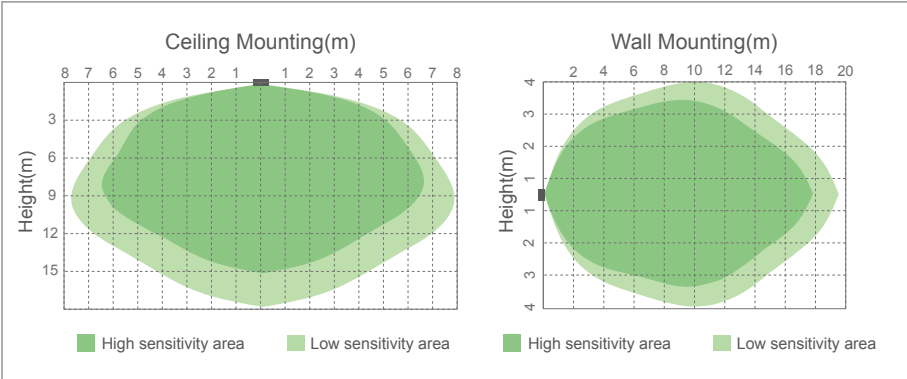
Microwave Motion Sensor



※Environment and Electrical parameters

Parameters	ZD-530P
Output voltage	AC 100-277V
Microwave frequency	5.8 GHz ± 75 MHz
Transmitting power	< 0.2 mW
Detection range	13-15m
Detection angle	30°C ~ 150°C
IP rating	IP65
Operation temperature	-20°C ~ 60°C
OTA feature	Yes

※Detection pattern



ZD-610P

4 channels

Zigbee Remote Controller



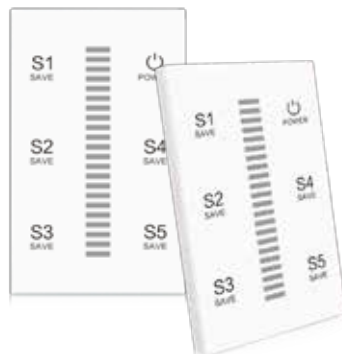
※Environment and Electrical parameters

Parameters	ZD-610
Charge Input	DC 5V
Frequency	2.4GHz
Operating temperature	-20°C ~ 35°C
Transmitting Distance	30m (Open space)

ZD-620P

1 channel 5 scenes

Zigbee Touch Panel



The **ZD-620P** is a 5 scenes Zigbee touch panel, you can setup 5 different scenes to control one group of lamps. It is easy to program ON / OFF and dimming value via Gateway and cellphone APP or binding the lamp controllers directly.

When using touch panel, you don't need to via Gateway, It is suitable for indoors building or home automation control.

※Environment and Electrical parameters

Parameters	ZD-620P
Input	AC100-277V
Frequency	2.4GHz
Operating temperature	-20°C ~ 35°C
Transmitting Distance	30m (Open space)

ZD-630P

4 channels

Zigbee Touch Panel



The **ZD-630P** is a 4 channels Zigbee touch panel with dimmable function. You can press zone button switch to different groups of lamps and slide the bar to dim the lamp directly without via the Gateway or App.

The programming and binding method is easy as ZD-620P, also you can combine other switch to work together.

※Environment and Electrical parameters

Parameters	ZD-630P
Input	AC100-277V
Frequency	2.4GHz
Operating temperature	-20°C ~ 35°C
Transmitting Distance	30m (Open space)

CITY KEEPER

LED Street Light Controlling System

P2 Zigbee node



※ Environment and Electrical parameters

RF Specification	
FrequencyBand	922.4 MHz
Wireless MCU	CC1310 Sub-1 GHz Wireless MCU, Long Range Connectivity
Receiving Sensitivity	-124 dBm
Protocol	Private protocol
Modulation	2-FSK
Hardware Supports	IEEE 802.15.4
RF TX Power	Max +23.5 dBm high efficiency PA < 250mW
Antenna	Internal antenna

※ Note: 1 Gateway supports up to 60 ~100 Nodes



Dashboard



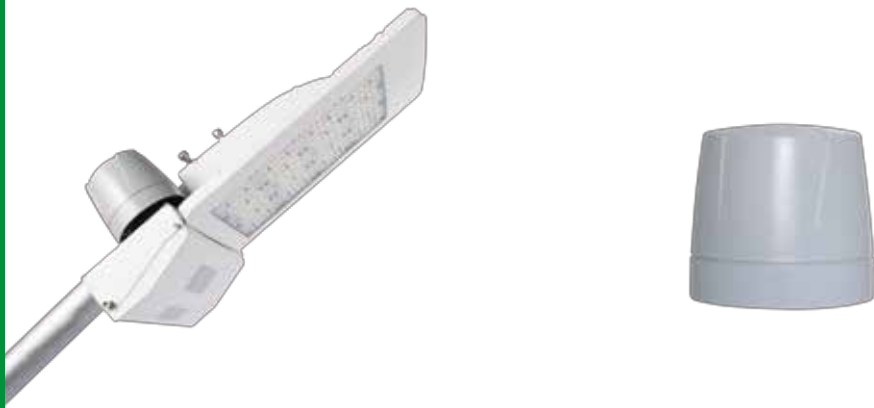
City Keeper is a Zigbee long range controller based on NEMA 7 pins socket. It is the best solution for LED street light or High Mast lighting system for remote monitoring and controlling. Via CITY Keeper Web-based platform, you can monitor LED lamps on google map.

The user friendly interface includes rich functions such as realtime On-Line, Off-Line, error, group management, scheduling dimming control and energy consumption report. And all of the data are securely kept on Cloud service.

Mechanical Specification	
Storage Temperature	-40°C~125°C
Housing	NEMA Socket ANSI C136.41-2013
Working Relative Humidity	10 ~ 90% RH (non-condensing)
Working Temperature	0°C ~ 70°C
Water Proof	IP67 (well installation)
Power Error	3%
Electric Specification	
Input Voltage	90V-265V AC @50-60Hz
Power Consumption	< 1.5W



Map



K2 Zigbee Gateway

K2 gateway is responsible for communicating with P2 Node and transmit bi-directional data between CITY Keeper cloud platform via GPRS / 3G / 4G cellular network.

The coverage area up to 4KM to link with 70~100 P2 Nodes for each K2 gateway.

※Environment and Electrical parameters

RF Specification	
FrequencyBand	922.4 MHz
Wireless MCU	CC1310 Sub-1 GHz Wireless MCU, Long Range Connectivity
Receiving Sensitivity	-124 dBm
Protocol	Private protocol
Modulation	2-FSK
Hardware Supports	IEEE 802.15.4
RF TX Power	Max +23.5 dBm high efficiency PA < 250mW
Antenna	Internal antenna
Built-in Cellular modem	
Cellular System	GSM/GPRS/WCDMA/3G

※Note: 1 Gateway supports up to 60 ~100 Nodes

Mechanical Specification	
Storage Temperature	-40°C~125°C
Housing	NEMA Socket ANSI C136.41-2013
Working Relative Humidity	10 ~ 90% RH (non-condensing)
Working Temperature	0°C ~ 70°C
Water Proof	IP67 (well installation)
Power Error	3%

Electric Specification	
Input Voltage	90V-265V AC @50-60Hz
Power Consumption	< 1.5W



Dimming control & detail status



Energy consumption chart

Lamp information



| Website : www.neotroni.com

| TEL : +886-4-2567-9167 | FAX : +886-4-2565-1878

| ADD : No.738, Sec. 3, Zhongqing Rd., Daya Dist.,
Taichung City 428, Taiwan