

SPECIFICATION WCU SERIES SUITABLE FOR WET LOCATION

Wireless Reporting Compatible

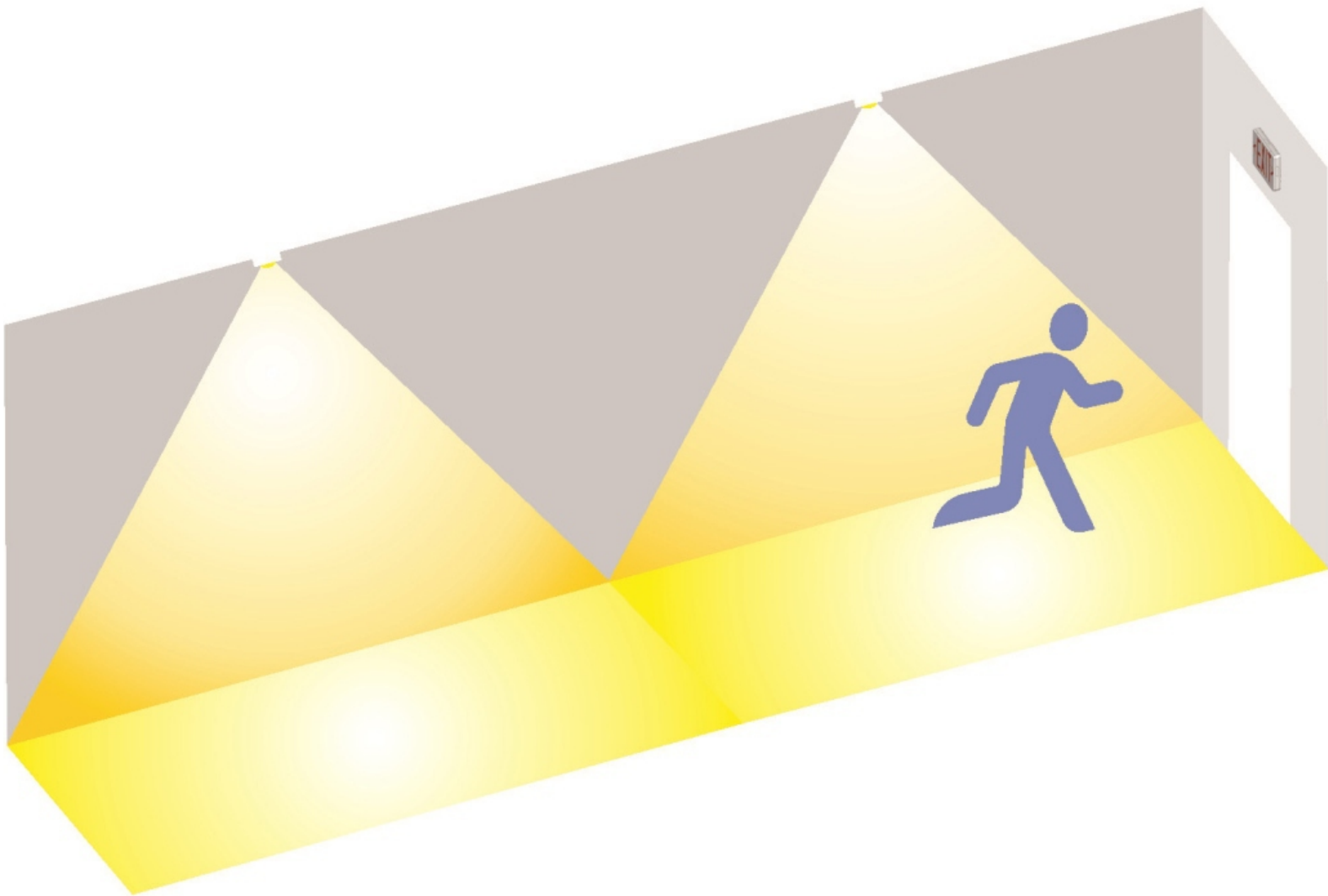


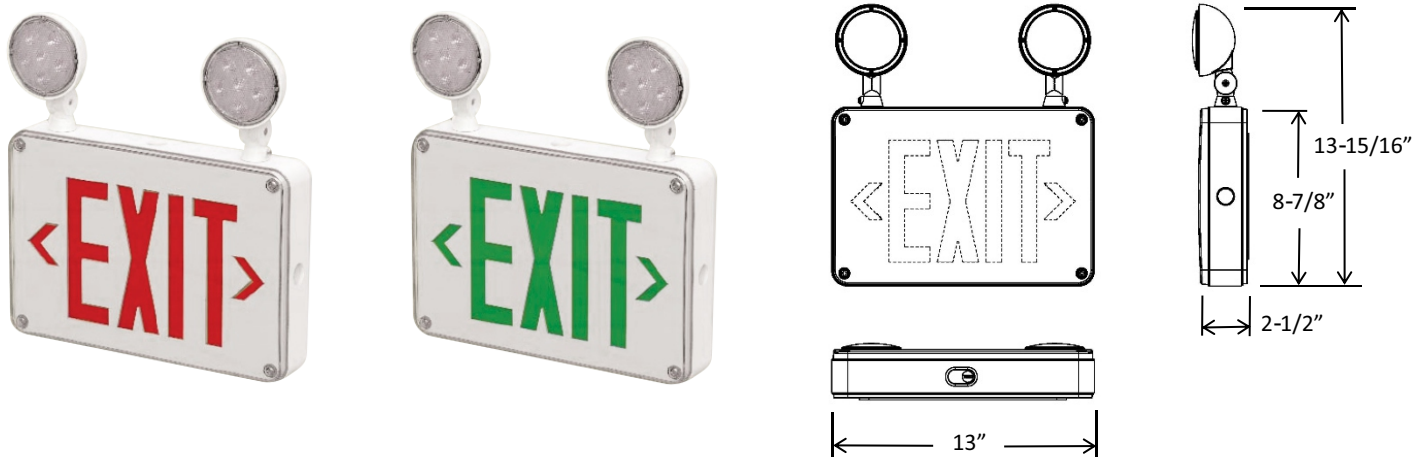
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Revision History

Revised Symbol	Revised Description	Version	Revised By	Revised Date

Product Photo And Dimension



Product Feature

Housing

- Polycarbonate material and waterproof design suitable for wet location.
- Plastic enclosure with flame retardant.
- Compact and decorative design, single and double face configuration available.
- EXIT letter 6" height and 3/4" stroke, snap in and snap out direction indicator.

Mounting

- Suitable for wall mounting and side mounting.
- Universal J-Box mounting pattern on back plate.

Electrical

- 120/277VAC60Hz dual voltage input optional.
- Brownout circuit protection for ST/SD fixture.
- Battery low voltage protection.
- Solid-State transfer circuit.
- Test switch and battery charging indicator.
- Maintenance free Ni-cad battery.
- 24 hours recharge, more than 90 minutes discharge.

Battery

- High temperature type Ni-cad battery.
- Battery have to recharge if product keep in stock 9 months. Detail manual refer "BATTERY STOCK AND RECHARGE GUIDELINE".

Options

- Self-testing and self-diagnostics optional.
- Red and green color exit sign optional.
- Single face and double face optional.
- Remote capability 3.6V1.5W Max. optional. (for constant output remote head, remote capability 0.75W max.)
- LynxEM™ wireless testing and reporting system available.

Illumination

- Long life red or green LED lamps provide uniform exit sign illumination.
- Basic model deliver 250lm output.
- RC model deliver 150lm output.

Code compliance

- UL listed and meets or exceeds all requirements in NFPA 70, NFPA 101 life safety code, suitable for U.S.A market.
- Suitable for 0°C to 50°C ambient temperature, Suitable for wet location.
- CL option with heater pad Ta range -25 °C -50 °C, suitable for wet and cold location.
- Compliant CEC title 20 efficiency regulations

Order Guide

Family	Exit sign	Optio	Housing color	rOpti	Input Voltage
WCU: Waterproof combo	-R: Red color, single face -G: Green color, single face	- Blank: Manual test - CT: Self-testing self-diagnostics - RC: Remote capability - CL: Suitable for cold location - ZD: Wireless Reporting LynxEM™ Control	-WH: White -BK: Black	U: Extra one more exit panel for single face and double face universal	-1: 120/277V

Model List and Electrical

–WCU for Wet Location

No.	Model	EXIT sign	Test facility	Batory	Recharge Time	Emergency Duration	Input				Output			Ambient temp.
							Input Voltage Frequency	Input Current	Power factor	Power Consumption	Lamp Head	Luminous Flux	Remote capability	
1	WCU-R(G)-U*	Single and Double face universal Red or Green	MT*	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	0°C to 50°C
2	WCU-R(G)-RC-U		MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75W*2pcs	180lm	3.6V1.5W Max.	0°C to 50°C
3	WCU-R(G)-CT-U		ST/SD*	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	0°C to 50°C
4	WCU-R(G)-RC-CT-U		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	0°C to 50°C
5	WCU-R(G)	Single face red or green	MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	0°C to 50°C
6	WCU-R(G)-RC		MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75W*2pcs	180lm	3.6V1.5W Max.	0°C to 50°C
7	WCU-R(G)-CT		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	0°C to 50°C
8	WCU-R(G)-RC-CT		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	0°C to 50°C

NOTES

“U” means provide extra one more exit panel for single face and double face universal.

“MT” means fixture just has manual test facility.

“ST/SD” means fixture has self-test and self-diagnostic function, also including manual test facility.

Model List and Electrical Rating –WCU for Cold Location

No.	Model	EXIT sign	Test facility	Baterly	Recharge Time	Emergency Duration	Input				Output			Ambient temp.
							Input Voltage Frequency	Input Current	Power factor	Power Consumption	Lamp Head	Luminous Flux	Remote capability	
1	WCU-R(G)-CL*-U*	Single and Double face universal Red or Green	MT*	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
2	WCU-R(G)-RC-CL-U		MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C
3	WCU-R(G)-CT-CL-U		ST/SD*	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
4	WCU-R(G)-RC-CT-CL-U		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C
5	WCU-R(G)-CL	Single face red or green	MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
6	WCU-R(G)-RC-CL		MT	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C
7	WCU-R(G)-CT-CL		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
8	WCU-R(G)-RC-CT-CL		ST/SD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C

NOTES

“U” means provide extra one more exit panel for single face and double face universal.

“CL” means product with heater pad suitable cold location -25°C to 50°C.

“MT” means fixture just has manual test facility.

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							Input Voltage Frequency	Input Current	Power factor	Power Consumption	Lamp Head	Luminous Flux	Remote capability	
1	WCU-R(G)-CL*-U*-ZD	Single and Double face universal Red or Green	MT* ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
2	WCU-R(G)-RC-CL-U-ZD		MT ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C
3	WCU-R(G)-CT-CL-U-ZD		ST/SD* ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
4	WCU-R(G)-RC-CT-CL-U-ZD		ST/SD ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C
5	WCU-R(G)-CL-ZD	Single face red or green	MT ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
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7	WCU-R(G)-CT-CL-ZD		ST/SD ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	1.2W*2pcs	300lm	n/a	-25°C to50 °C
8	WCU-R(G)-RC-CT-CL-ZD		ST/SD ZD	Ni-cad HT 3.6V1000mAh 2pcs	24 hours	>90 minutes	120/277V 60Hz	32mA Max.	0.65	3.2W max.	0.75 W*2pcs	180lm	3.6V1.5W Max.	-25°C to50 °C

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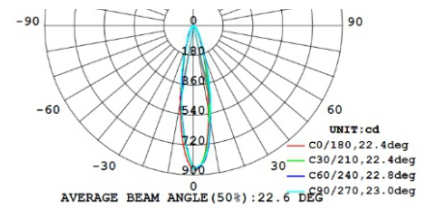
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“ST/SD” means fixture has self-test and self-diagnostic function, also including manual test facility.

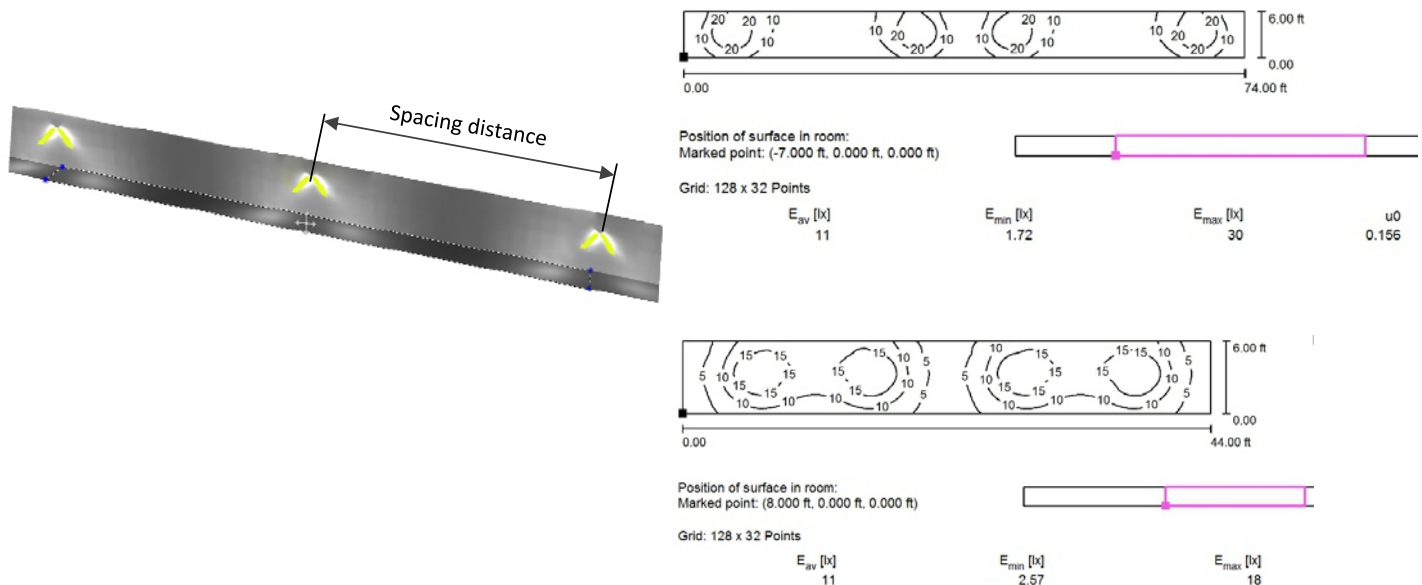
“ZD” means fixtures has wireless function, also including manual test facility.

Photometric

Model	Lumen output	Spacing distance Wall mount 7.5ft height	Spacing distance Wall mount 10ft height
WCU	300lm	40f	t37ft
WCU-RC	180lm	26f	t22ft



Compliant NFPA 101 requires 1.0 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio.



Remote Head

WCU-RC can drive this remote head for optional



RM-S*2pcs

- Single remote head, 3.6V 0.75W delivers 85lm per unit.
- Operation temperature range 0°C...+50°C suitable for damp location.
- UL, cUL listed.



RM-D*1pc

- Dual remote heads, 3.6V 1.5W Delivers 170lm per unit.
- Operation temperature range 0°C...+50°C suitable for damp location.
- UL, cUL listed.



VR660 Enclosure for RM-S, RM-D

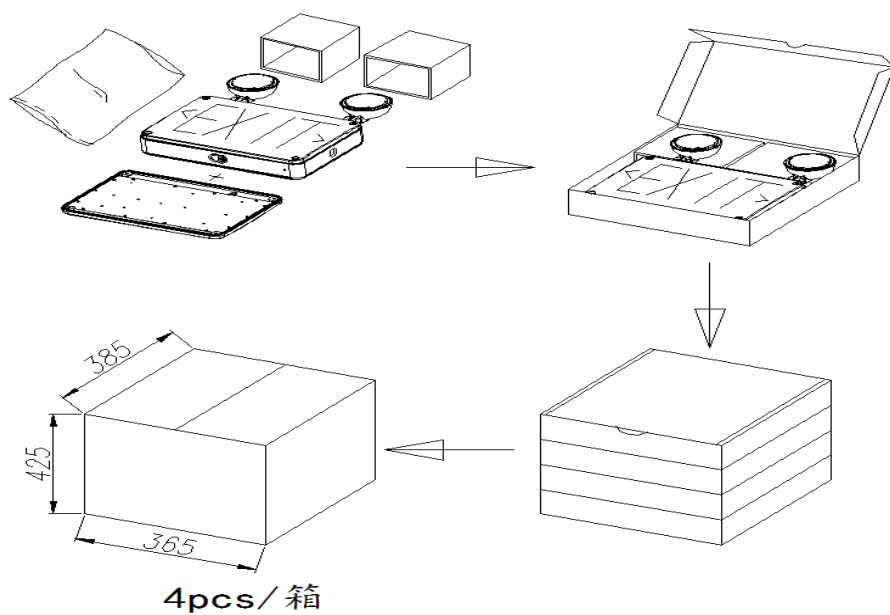
Polycarbonate plastic suitable for outdoor use.
 Waterproof design.



WEXH-900L-0.75W*1pc

- Single remote heads, DC3-12V input, 0.75W constant power, delivers 90lm.
- Operation temperature range -25°C...+50°C suitable for wet location.
- UL, cUL listed.

Package



Q'TY: 4 PCS
N.W: 9.6 KGS
G.W: 10.9 KGS
MEA'S: 1.9 CUFT.