www.u-tron.com

U-Tron®

Panel LED light

Milkyway

www.ledmilkyway.com

Data Sheets—6W up to 60W

Milkyway panels are designed to take full advantage of the LED technology. No other lighting technology was able to do this in the past. The LEDs are placed at the edge of the panels 4 sides and using a light travel acrylic board with reflective surface we produce the soft and even light source. Highly recommended for Class rooms and office applications where long time exposures to artificial light is expected.

Milkyway panels comes with U-Tron dimming and color turning technology to give you the total control over brightness and the CCT to suite your specific needs.

U-Tron (Beijing) Electronics Co. Ltd.,

Our Vision

To be a company exercising leadership in applying high technology to improving the quality of life and protecting the environment.

Our Mission

U-Tron is a customer-focused provider of innovative solutions for the Communication, Lighting, and Transportation markets. We are committed to employing advanced technologies with the highest level of quality, service and value to our family of employees, customers and suppliers through a process of continuous improvement.

Our Promise

U-Tron promises leading-edge solutions with superior customer service, and delivers the highest quality products built with integrity and pride.

Who we are

We are an Engineering company specializing in Telecommunications, Intelligent Transportation Systems, and Data, Voice and Video transmission. We design, develop and manufacture High Power LED luminaries to serve the ITS and other applications.

6W Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	6W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

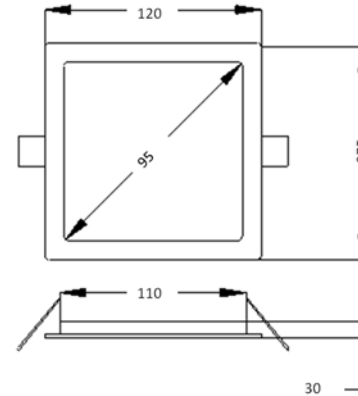|	
Product Number	68MW-006-W1212 Warm white, 68MW-006-C1212 Cool white 68MW-006-N1212 Normal white
Product Name	Milkyway Panel Light 6W Warm White
Barcode	6949606484309 CW 6949606484408 WW 6949606484507 NW
Pieces Per 20' container	2500
Pieces Per 40' container	6000

Safety and environmental Compliance

IP Rating	54 Indoor Dry Area
Certifications	UL, CSA, GB7000 and CCC
Manufacturing Standards	GB120543

Light Characteristics

Efficacy	80lm/W
Beam Angle	120
CCT	2700-3500K
Flux	480lm
Color Rending Index	80

Product Dimensions 6W

Lamp Length	120mm
Lamp Width	120mm
Lamp Height	30mm
Cut Out	110x110mm

Panel LED light

Milkyway

www.ledmilkyway.com
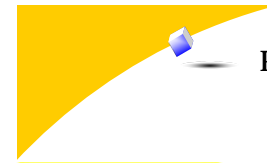
Milkyway 120X120X30 mm 6 watt Panel

Proper illumination is essential for the optimization of safety, comfort and productivity in the classrooms; workplace lighting also dictates quality of perception, mood, and performance levels of the students.

U-Tron's super flat, low power consuming and elegant Milkyway LED Panel Light is the perfect solution for any situation that requires elegant and subtle lighting. The Milkyway LED Panel Light is very suitable for classrooms lighting but also for hotels, restaurants, office buildings and shops.

9W Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	9W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

Product Number	68MW-009-W1515 WW 68MW-009-C1515 CW 68MW-009-N1515 NW
Product Name	Milkyway Panel Light 9W Warm White
Barcode	6949606484606 CW 6949606484705 WW 6949606484804 NW
Pieces Per 20' container	2500
Pieces Per 40' container	6000

Light Characteristics

Efficacy	80lm/W
Beam Angle	120
CCT	2700-3500K
Flux	720lm
Color Rending Index	80

Product Dimensions   9W

Lamp Length	150mm
Lamp Width	150mm
Lamp Height	30mm
Cut Out	135x135mm

Safety and environmental Compliance

IP Rating	54 Indoor Dry Area
Certifications	UL, CSA, GB7000 and CCC
Manufacturing Standards	GB120543
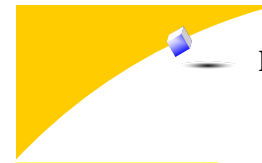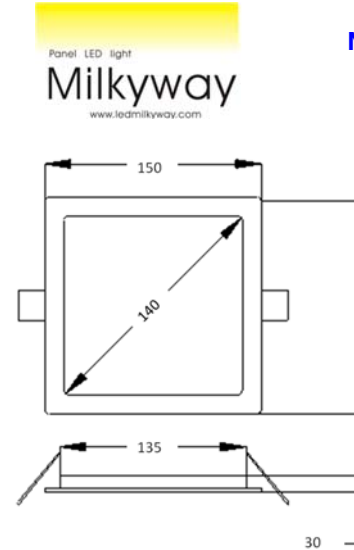
Milkyway 150X150X30 mm 9 watt Panel

Panel LED light
Milkyway
www.ledmilkyway.com

Proper illumination is essential for the optimization of safety, comfort and productivity in the classrooms; workplace lighting also dictates quality of perception, mood, and performance levels of the students.

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12W Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	12W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

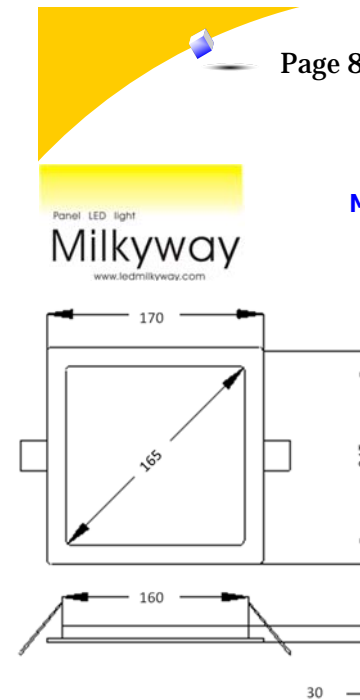|	
Product Number	68MW-012-W1717 WW 68MW-012-C1717 CW 68MW-012-N1717 NW
Product Name	Milkyway Panel Light 12W Warm White
Barcode	6949606484903 CW 6949606485009 WW 6949606485108 NW
Pieces Per 20' container	2500
Pieces Per 40' container	6000

Safety and environmental Compliance

IP Rating	54 Indoor Dry Area
Certifications	UL, CSA, GB7000 and CCC
Manufacturing Standards	GB120543

Light Characteristics

Efficacy	80lm/W
Beam Angle	120
CCT	2700-3500K
Flux	960lm
Color Rending Index	80

Product Dimensions 12W

Lamp Length	170mm
Lamp Width	170mm
Lamp Height	30mm
Cut Out	160x160mm

Panel LED light
Milkyway
www.ledmilkyway.com

Milkyway 170X170X30 mm 12 watt Panel

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20 Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	20W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

Product Number	68MW-012-W0303 WW
	68MW-012-C0303 CW
	68MW-012-N0303 NW
Product Name	Milkyway Panel Light
	20W Cool White
	1ft x 1ft
Barcode	6949606480004 CW
	6949606480103 WW
	6949606480202 NW
Pieces Per 20' container	2500
Pieces Per 40' container	6000

Light Characteristics

Efficacy	100lm/W
Beam Angle	120
CCT	4500-5500K
Flux	2000lm
Color Rending Index	85

Product Dimensions

Lamp Length	210mm
Lamp Width	210mm
Lamp Height	15mm

Safety and environmental Compliance

IP Rating	54 Indoor Dry Area
Certifications	UL, CSA, GB7000 and CCC
Manufacturing Standards	GB120543

Milkyway 200x200x15 mm 20 watt Panel

Polar Candela Distribution

Illuminance at a Distance
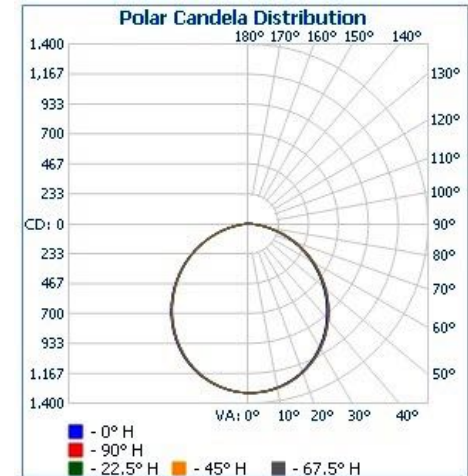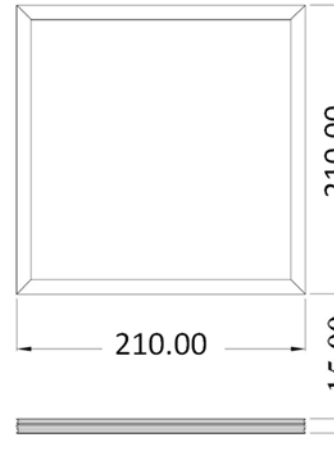
Distance	Center Beam LUX	Beam Width	
0.5m	5,273.36 LUX	1.4m	1.4m
1.0m	1,318.34 LUX	2.8m	2.9m
1.5m	585.93 LUX	4.2m	4.3m
2.0m	329.59 LUX	5.7m	5.7m
2.5m	210.93 LUX	7.1m	7.2m
3.0m	146.48 LUX	8.5m	8.6m

Vert. Spread: 109.5° Horiz. Spread: 110.1°

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35 Watt Milkyway Panels
Technical Data

General Information

Heat sink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	35W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

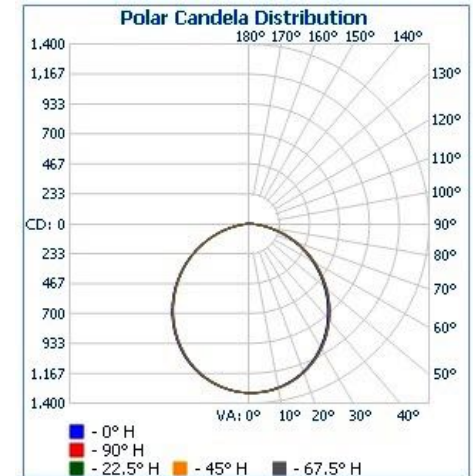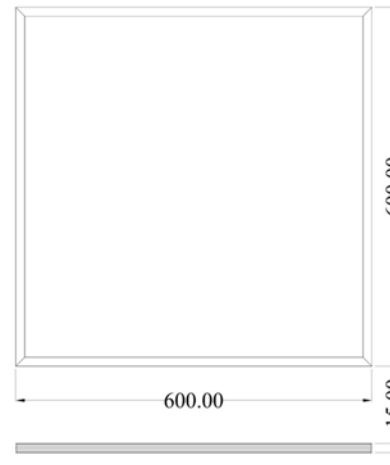|	
Product Number	68MW-035-C303 CW 68MW-035-W303 WW 68MW-035-N303 NW
Product Name	Milkyway LED Panel Light
Product Ordering Name	Milkyway 600x600x15 3500lm 35W WR4
Barcode	6949606483401 CW 6949606483500 WW 6949606483609 NW
Pieces Per 20' container	1300
Pieces Per 40' container	3000

Safety and environmental Compliance

IP Rating	IP 54 Indoor Dry Area
Certifications	UL, CSA, CE, GB7000 and CCC
Manufacturing Standards	GB120543

Light Characteristics

Efficacy	83lm/W
Beam Angle	120
CCT	2500-5000K
Flux	3500lm
Color Rending Index	85

Product Dimensions

Lamp Length	600mm
Lamp Width	600mm
Lamp Height	15mm

Milkyway 600x600x15 35W WR4

	Center Beam LUX	Beam Width	
0.5m	5,273.36 LUX	1.4m	1.4m
1.0m	1,318.34 LUX	2.8m	2.9m
1.5m	585.93 LUX	4.2m	4.3m
2.0m	329.59 LUX	5.7m	5.7m
2.5m	210.93 LUX	7.1m	7.2m
3.0m	146.48 LUX	8.5m	8.6m

Vert. Spread: 109.5°   Horiz. Spread: 110.1°

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60 Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	60W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

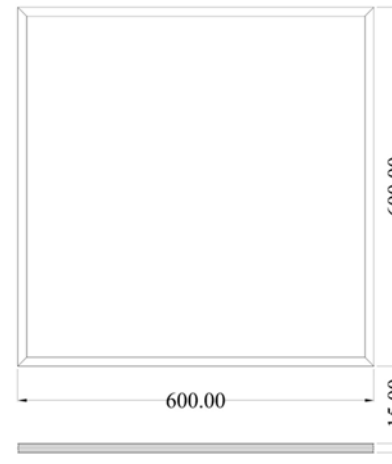|	
Product Number	68MW-060-W5050 WW 68MW-060-C5050 CW 68MW-060-N5050 NW
Product Name	Milkyway LED Panel Light
Product Ordering Name	Milkyway 600x600x15 4400lm 60W WR4
Barcode	6949606485207 CW 6949606485306 WW 6949606485405 NW
Pieces Per 20' container	1300
Pieces Per 40' container	3000

Safety and environmental Compliance

IP Rating	IP 54 Indoor Dry Area
Certifications	UL, CSA, CE, GB7000 and CCC
Manufacturing Standards	GB120543

Light Characteristics

Efficacy	83lm/W
Beam Angle	120
CCT	2500-5000K
Flux	4400lm
Color Rending Index	85

Product Dimensions

Lamp Length	600mm
Lamp Width	600mm
Lamp Height	15mm

Milkyway 600x600x15 60W WR4

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Panel LED light
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27 Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	27W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

Product Number	68MW-027-C0306 CW
	68MW-027-W0306 WW
	68MW-027-N0306 NW
Product Name	Milkyway LED Panel Light
Product Ordering Name	Milkyway 300x600x15 2300lm 27W WR4
Barcode	6949606480301 CW
	6949606480400 WW
	6949606480509 NW
Pieces Per 20' container	1300
Pieces Per 40' container	3000

Light Characteristics

Efficacy	83lm/W
Beam Angle	120
CCT	2500-5000K
Flux	2300lm
Color Rending Index	85

Product Dimensions

Lamp Length	300mm
Lamp Width	600mm
Lamp Height	15mm

Safety and environmental Compliance

IP Rating	IP 54 Indoor Dry Area
Certifications	UL, CSA, CE, GB7000 and CCC
Manufacturing Standards	GB120543

Milkyway 300x600x15 27W WR4

Panel LED light
Milkyway
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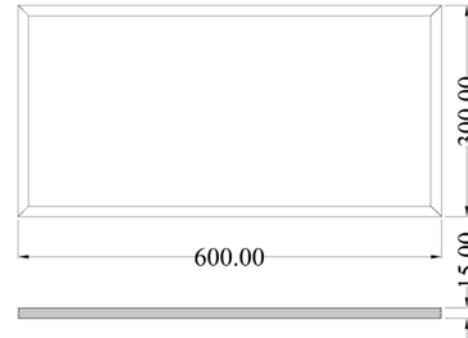
30 Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	30W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

Product Number	68MW-056-C0505 CW 68MW-056-W0505 WW 68MW-056-N0505 NW
Product Name	Milkyway LED Panel Light
Product Ordering Name	Milkyway 300x600x15 3000lm 30W WR4
Barcode	6949606485504 CW 6949606485603 WW 6949606485702 NW
Pieces Per 20' container	1300
Pieces Per 40' container	3000

Safety and environmental Compliance

IP Rating	IP 54 Indoor Dry Area
Certifications	UL, CSA, CE, GB7000 and CCC
Manufacturing Standards	GB120543

Light Characteristics

Efficacy	83lm/W
Beam Angle	120
CCT	2500-5000K
Flux	3000lm
Color Rending Index	85

Product Dimensions

Lamp Length	300mm
Lamp Width	600mm
Lamp Height	15mm

Milkyway 300x600x15 30W WR4

Panel LED light
Milkyway
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300.00
600.00
15.00

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U-Tron's super flat, low power consuming and elegant Milkyway LED Panel Light is the perfect solution for any situation that requires elegant and subtle lighting. The Milkyway LED Panel Light is very suitable for classrooms lighting but also for hotels, restaurants, office buildings and shops.

36 Watt Milkyway Panels
Technical Data

General Information

Heatsink	6063-T5 aluminum alloy
Life Span	50000hr
Light Board	Acrylic

Temperature

Operating Temp.	-40(min), 45(max)C
Storage	-40(min), 45(max)C

Electrical Characteristics

Wattage	36W
Voltage	Universal
Dimming	TRIAC and 1-10V
Color Turning	2700 to 5500 CCT

Ordering Information

|	
Product Number	68MW-036-W0312 WW 68MW-036-C0312 CW 68MW-036-N0312 NW
Product Name	Milkyway LED Panel Light
Product Ordering Name	Milkyway 300x1200x15 2700lm 36W WR4
Barcode	6949606480608 CW 6949606480707 WW 6949606480806 NW
Pieces Per 20' container	1300
Pieces Per 40' container	3000

Light Characteristics

Efficacy	83lm/W
Beam Angle	120
CCT	2500-5000K
Flux	2700lm
Color Rending Index	85

Product Dimensions

Lamp Length	300mm
Lamp Width	1200mm
Lamp Height	15mm

Safety and environmental Compliance

IP Rating	IP 54 Indoor Dry Area
Certifications	UL, CSA, CE, GB7000 and CCC
Manufacturing Standards	GB120543

Panel LED light
Milkyway
www.ledmilkyway.com

Milkyway 300x1200x15 48W WR4
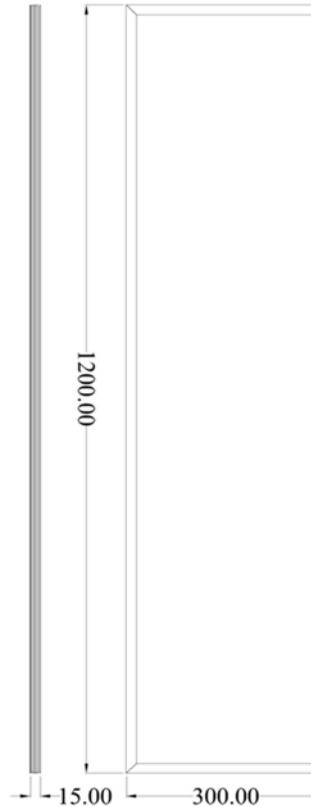
Proper illumination is essential for the optimization of safety, comfort and productivity in the class-rooms; workplace lighting also dictates quality of perception, mood, and performance levels of the students.

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54 Watt Milkyway Panels
Technical Data

General Information

Heatsink   6063-T5 aluminum alloy
Life Span   50000hr
Light
Board   Acrylic

Temperature

Operating Temp.   -40(min), 45(max)C

Storage   -40(min), 45(max)C

Electrical Characteristics

Wattage   54W
Voltage   Universal
Dimming   TRIAC and 1-10V
Color Turning   2700 to 5500 CCT

Ordering Information

Product Number   68MW-054-W0612 WW
                     68MW-054-C0612 CW
                     68MW-054-N0612 NW

Product Name   Milkyway LED Panel Light

Product Ordering Name

                     Milkyway 600x1200x15 4400lm 54W WR4
Barcode   6949606483708 CW
                     6949606483807 WW
                     6949606483906 NW

Pieces Per 20' container   1300
Pieces Per 40' container   3000

Light Characteristics

Efficacy   83lm/W
Beam Angle   120
CCT   2500-5000K
Flux   4400lm
Color Rending Index 85

Product Dimensions

Lamp Length   600mm
Lamp Width   1200mm
Lamp Height   15mm

Safety and environmental Compliance

IP Rating   IP 54 Indoor Dry Area

Certifications   UL, CSA, CE, GB7000 and CCC

Manufacturing Standards   GB120543

Milkyway 600x1200x15 54W WR4
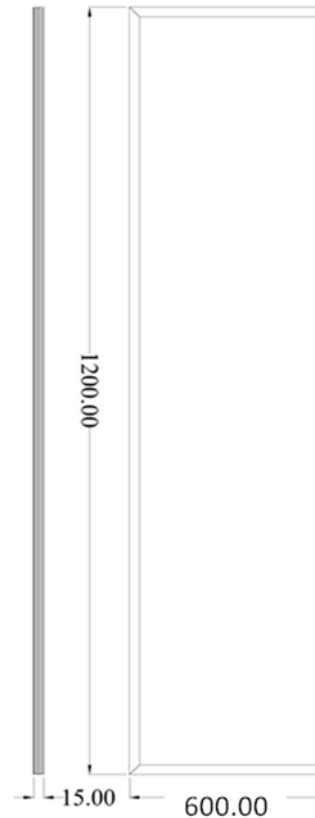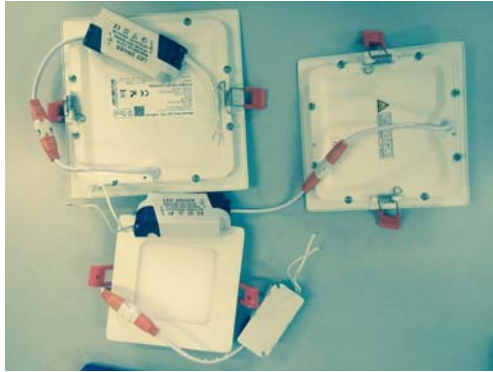
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Wiring and Installation Guide

Wiring Diagram:

Installation Instructions:

1. Thanks to the WAGO and the U-Tron engineers now you can wire the Milkyway panels with out any special tools and materials. Just use the supplied WAGO connectors with 3 position as shown here to the mains and keep continuing up to 12 any size Milkyway in a single parallel connection

2. The panels are made to fit all standard false ceilings with the any dimensions.

3. In addition if spring loading is required you can attach the supplied clips to hold on to the reinforcement of the ceilings.

4. Drivers and the panels are shipped separately. Always connect the panels to the Drivers using the mating connectors before powering the drivers.

2 WAGO 3 potion connectors are supplied with each Panels for electrical wiring.

This applies to all Milkyway Panels

Safety Compliance

U-Tron products meets UL, CSA, CE and CCC safety requirements: Our factories are ISO 9000 certified and follow PRC Electronics Manufacturing disciplines through out the process.
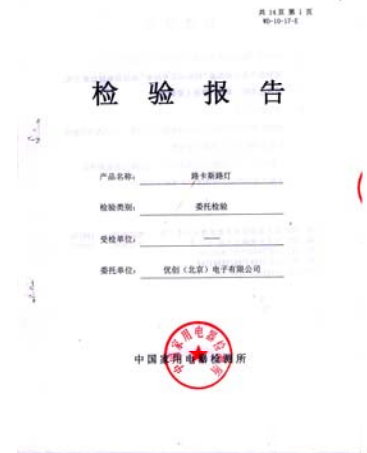

Canadian Safety Assurance

Underwriters Lab Safety Compliance

EU Commodity Compliance

China CCC certifications

U-Tron Warranty

U-Tron (Beijing) Electronics Co. Ltd., warrant the products listed bellow for a period of 36 months from the date of shipment to be free from defects in material or workmanship and to be of the kind and quality designated or specified in the purchase agreements. If any products do not meet the above warranty and the buyer promptly files a warranty claim U-Tron shall do the following:

1. U-Tron shall provide a 12 month "No Questions Asked" replacement of any faulty units at no charge to the customer. The time limit for exchange shall not exceed 30 days from the time a claim is filed by the buyer. The buyer shall return the faulty units within 30 days of filing the claim. The method of returning the faulty units to U-Tron shall be decided at that time by UTron and all shipping charges shall be borne by U-Tron.

2. At the end of the 12 month period U-Tron shall provide additional free extended warranty for another 24 months. During this 24 month period U-Tron shall repair or replace and re-certify all faulty units returned. Shipping charges for sending the units to U-Tron shall be the responsibility of the Buyer and the Shipping charges to return the repaired goods to the buyer shall be borne by U-Tron. Time limit for repairs shall not exceed 60 days.

3. The warranties set forth herein shall be voided if the units have been 1) repaired or altered by any un-authorized person 2) subjected to misuse, negligence and accidents or operated in other than normal operation and use. 3) Connected, installed or modified in a manner not in accordance with U-Tron instructions. This warranty is applicable to all LED Products.

4. U-Tron at our own option can elect to provide replacement units at any desired percentage to be warehoused and logged by the buyers for timely service of the extended warranty replacements. When the warranty expires the bad units and the unused spare parts items shall be shipped back to U-Tron unless otherwise stipulated in the contract or purchase agreements. If the warehoused quantities become 90% used up or nearing the end of stock, the buyers shall ship back the faulty units to U-Tron. U-Tron shall rotate the spare parts inventory with in 60 days of receiving from the buyers.

5. All warranty claim items shall by shipped to the buyers regardless of the geographical location, by air freight to the nearest airport or courier service to the customer site, and any returning items can be shipped by sea or air freight at the request of U-Tron. If the customer fails to return the said faulty units with in the time frame as instructed, it will be considered as sold and U-Tron reserve the rights to bill the customer for its full value.

6. U-Tron shall not bare any responsibilities with the buyer's customer claims or shall not bare any other expenses incurred other than the units cost it self. Customer site un-installation and re-installation of any faulty units shall not be the responsibility of U-Tron.

China Corporate Office

U-Tron (Beijing) Electronics Co. LTD.,
20 Tianhua Yuan, Erli Erqu Suites 517-520
Yizhuang Development Area,
Beijing, China 100176
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Maanshan City, Anhui, CHINA
+86 555 370 8718

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www.u-tron.com

U-Tron®

Panel LED light

Milkyway

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