

## PRODUCT DESCRIPTION

The Trudo Series is an old American Barn Style LED Light which is an all-times favorite. Completely merging simplicity and functionality to your outdoor lighting needs..

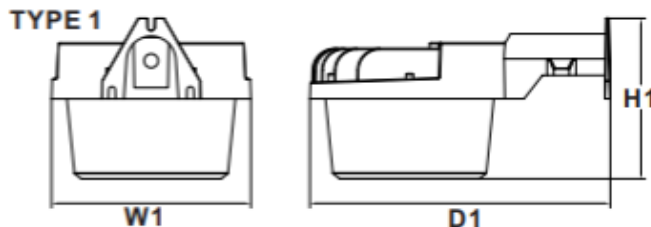


**PART #: RGL-TIGAN-35W**

## PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL Premium certificate.
- Bridgelux Chip, high CRI
- IP65 driver, input voltage 120-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.
- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza,
- Warehouse, factory and workshops ;
- Highway toll station ;
- Meeting room, exhibition hall ;
- Gymnasium and supermarkets, etc.

## PRODUCT DIMENSIONS



<b>TYPE 1</b>	
W1:	7"(17.8cm)
D1:	10-1/2" (26.8cm)
H1:	5-5/8"(14.3cm)
Weight :	2.6 lbs(1.18 kgs) (max)

## LEGENDARY USA SUPPORT



US based  
phone and online  
customer support

DLC  
CERTIFIED

5 YEARS  
WARRANTY

UL  
LISTED





## PRODUCT TECHNICAL SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance : ±10%)	35W		
	Color Temperature (Color Tunable)	3000K	4000K	5000K
	Lumen(Tolerance: ±10%)	4108LM	4279LM	4322LM
	Efficacy(Tolerance : ±3%)	117LM/W	122LM/W	123LM/W
	CRI	>80		
	Color Consistency	<7 Steps (or <7 SDCM)		
	Distribution Pattern	7H6V		
	Field Angle (10%) (Tolerance : ±15%)	115*100 Degree		
<b>ELECTRICAL</b>	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤15%		
	Flicker Percent	<80%		
	Driver Brand	March		
	Driver Model	HB-FL19F035		
	Driver Surge protection	L-N 2.5KV, L&N-PE 2.5KV		
	Dimming	0-10V dimming standard		
	Sensor Type	Exterior Photocell / Integral Sensor Receptacle		
	Optional Accessory	Photocell / Surge protector		
	<b>MATERIALS</b>	LED Brand	Lumileds	
LED Type		SMD2835		
LED QTY		96		
Housing		Die-cast aluminum		
Housing Color		Brown, Black, or Customized		
EPA		.27 ft²		
Waterproof Rating		WET (IP65)		
<b>OTHERS</b>	Operating Temperature	-40°C TO 50°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	20% - 90% RH		
	Storage Humidity	10% - 95% RH		
	Warranty	5 years		

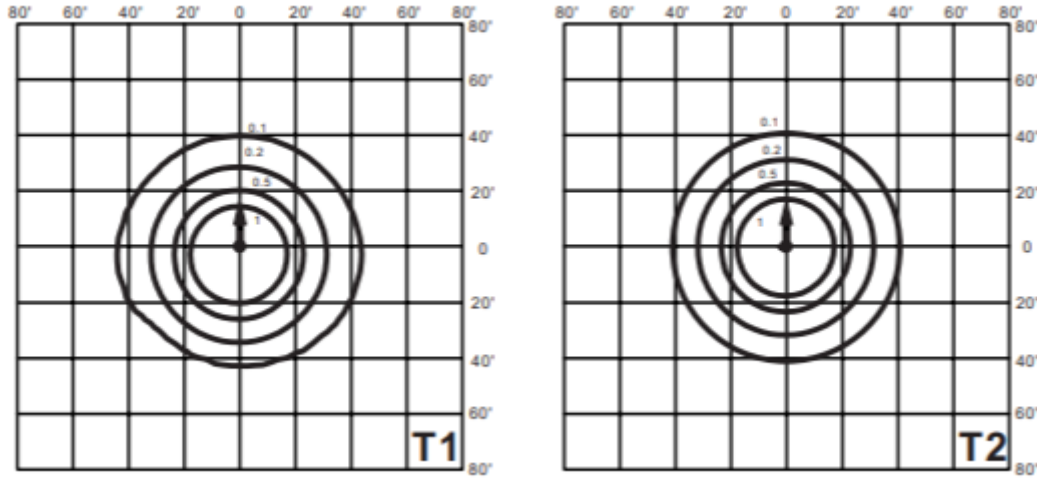
## PRODUCT MOUNTS & ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



## PHOTOMETRICS & DLC PRODUCT SPEC



### Luminaire Lumen Maintenance Factors (LMF)

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	75000	100000
Lumen Maintenance Factor	BL201 96 LED 0.05A				
	100%	96%	94%	92%	90%
Lumen Maintenance Factor	BL202 192 LED 0.05A				
	100%	96%	92%	90%	86%

### Electrical Data

MODEL	LEDS	LED CURRENT	SYSTEM WATTS	Current		
				120	240	277
BL201D	96	50mA	35W	0.30	0.15	0.13
BL202D	192	50mA	70W	0.59	0.30	0.26

### Lumen Ambient Temperature (LAT) Multipliers

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99



## PRODUCT PACKAGING

Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
8*11*6 In	1 PC	1.18 KG [2.6 LBS]	1.5 KG [3 LBS]

\*Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .



## PRODUCT WARNINGS

- ⚡ Please turn off power before install or change assembly parts.
- ⚡ The input voltage and lamps should be matched, after connecting the power line.
- ⚡ Please make sure the wiring section is insulated.
- ⚡ Professionals must install and disassemble the lamps.
- ⚡ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ⚡ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

## PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

# BETTER LIGHTS. BETTER SUPPORT.

