LED Track Light
TL135 Series


## Introduction

his is a full spectrum track light with color sensor and color auto changeable function. It adopts CRI95 full spectrum led which can restore the true color of the illuminated object and get closest to natural light under the light, the best color. Besides, with the sensing detector, the lamp can sense color automatically along surroundings color change, which is a great combination for modem technical and commercial lighting

## Features

Restore the true color of object with CRI95 RGB full
Sensing detector with 20degree angle and 3 m detection range

- Color sense automatically along the illuminated objects to reach high fidelity effect
- Con set different sensing time for color sense, from 5 seconds to 2 hours

Anti-glare design, UGR<1
Internal flicker free driver

## Application Areas

It's widely used in museum, clothing store, boutique, Cor 4 S shop etc.



Technical Data Sheet



Measurement

| Code | Dimension(mm) |  |  |  | Size(mm) | Product Weight (Kg) |  | Package Wéght (Kg) |  | Carton Size(cm) | Qty/ CTN | $\begin{aligned} & 20 \mathrm{GP} \\ & \text { (pcs) } \end{aligned}$ | $\begin{aligned} & \text { 40HQ } \\ & \text { (pcs) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | B | C | D |  | NWW/PC | G.W/PC | NW/PC | GW/PC |  |  |  |  |
| TLI 35-100-33W | Ø100 | 294 | 203 | 84 | ø100*294 | 1.24 | 1.55 | 7.44 | 9.98 | $38 * 36 * 30.5$ | 6 | 3780 | 8928 |

Driver Datasheet (Non-dimmable)

|  | Total load wattage | 33W |
| :---: | :---: | :---: |
|  | Rated output current | 830 mA |
|  | Output Voltage range | DC28-38V |
| Output | Line Regulation | $\pm 5 \%$ |
|  | Setup Rise Time | $\leq 0.55$ |
|  | Flickering Index | <1\% |
|  | Rated Input Voltage | ACl00-240V |
|  | Input Voltage | AC90-264V |
|  | Frequency | 50/60Hz |
|  | Rated Input Current | 0.37 A |
| Input | Input Current | 0.41 A |
|  | Power Factor | 0.9 |
|  | THD | <20\% @ 230 V |
|  | Efficiency | $\geq 85 \%$ |
|  | No load wattage | - |
|  | Short circuit protection | PASS |
| Protection | Over voltage protection | PASS |
|  | Over temperature protection | PASS |
|  | Withstand voltage | I/P-O/P:3.75KVac, <5mA 60 S |
|  | Isolation Resistance | I/P-O/P: 500VDC, $\geq 4 \mathrm{M} \Omega$ |
| Safety \& EMC | Surge | IEC/EN61000-4-5 (P225W L-N:1KV) |
|  | EMC Emission | EN55015, EN61000-3-2 |
|  | EMC Immunity | EN61000-4-2,3,4,5,6,8,11; EN61547 |

Color perception and high-fidelity light distribution system
The color sensor automatically detects and idenififies the color of the product, then utilizes the control board inside the lamp to optimize the light distribution color scheme and ensures that the product achieves optimal color reproduction and saturation.


Spectrum against Red



Spectrum against Green


## - Wiring Diagram

4 -wires, 3 -circuit


## Color Sensor

```
$ switch1 OFF: Close automatic color changefunction
```

Switch 1 ON +2 ON: Turn on the power for color change test: If under a stable environment, the lamp will change color cocording illuminated objects after 30 seconds, and the lamp will lock this color alwayy until user re-power on. If under unstable environment, the lam
will not do color dhange until the environment become stable for 3 weconds. secosen 1 ON +2 Off: Stop color change test function, adjust $3 / 4 / 5$
Switt
button to set different time for color change detection lame will do button to set different time for color change detection, lamp will color change after the setting time. Refer to the right setting table.

| No | Phenomenon | Inspection method |
| :---: | :---: | :---: |
| 1 | Unable to sense object color after the setting time | Adjusting the DIP switch (Back of lamp) to automatic color sensor status (lon +2 off) and set the time (30n/ 4off/ 5off) |
| 2 | Unable to color sense new objects after environment changed | Adjusting the DIP switch (Back of lamp) to automatic color sensor status (lon +2 off) and set the time (3on/ 4off/ 5off) |

The detected environment is not stable and keeps changing. (For example, the sel lime is $5 s$, and the sensor detects environment after $5 S$. During this period, the sensor function unable to work normally. Detect after 5 S again...continue to cycle until the environment is stable) Lamp detectable environment CCT
range is 2700 K - 5100 K . Under a stable range is 2700 k (5itho. Under a stable
environment (within 2700 K - 5100 K range), lamp works normally with color sensor function with the set time. If the environment CCT is lower than 2700 K or
over 5100 K , color sensor function unable to work normally.


## How to check if color sensor function workable or not?

Before power on, switch button I and 3 to ON only (This is color sensor mode for auto testing in 5 seconds, there has an initialization time of 10 seconds when power on, the lighting color will be close to red color and aner the lamp will change to surroundings lig lor 5 second if sumounding is stable.

N:

## RL Europe

Your partner in LED

