



LEGENDTECH®

Dynamic Lighting



LTAC-6527-C18-24D-VP01_WT_BP 20W Tune-able White LED 3-Phase Track Light



Tune-able White LED 3-Phase Track Light

LTAC-6527-24D-VP01_WT_BP is a Tune-able White track 3 phase track light that allows users to adjust the Intensity (dimnable) and Correlated Colour Temperature (CCT) in the range of 6500K –2700K, CRI 90+ from a standard faceplate.

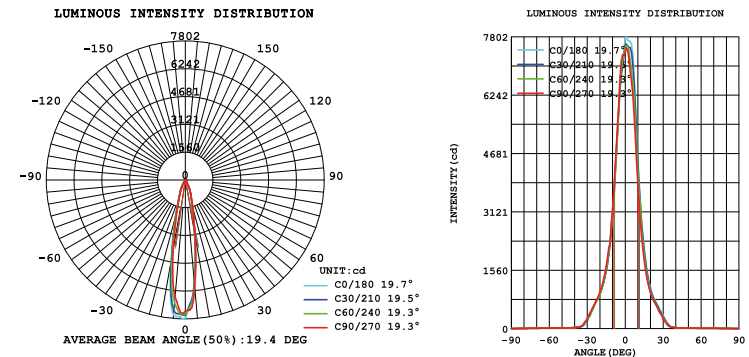
There is no compromising brightness level during the change of the CCT value. This gives great flexibility to obtain completely different lighting effects from the same lighting fixture for different lighting requirements, typically encountered in professional display applications.

Target Applications

- Art Gallery
- Exhibition
- Museum
- Professional Display
- Retail and Boutiques

Photometric Measurements

At 6500K, the LTAC-6527-24D-VP01_WT_BP Tune-able White LED 3-Phase Track Light has the following IES performance.



| Height | AVR E | CENTER E | Diameter |
|--------|-----------|-----------|----------|
| 1.00m | 5518.65lx | 7773.79lx | 33.31cm |
| 2.00m | 1379.66lx | 1943.45lx | 66.62cm |
| 3.00m | 613.18lx | 863.75lx | 99.93cm |
| 4.00m | 344.92lx | 485.86lx | 133.25cm |
| 5.00m | 220.75lx | 310.95lx | 166.56cm |

Angle: 18.9deg

Colour Temperature Adjustment

Besides the Faceplate control functionality, our Tune-able White Track Light has a Bypass-Switch to select whether the CCT value would be adjusted from the Faceplate or individually set per Light. The position of the Bypass-switch determines how the CCT value is changed. Users shall be reminded to power-off the luminaires before flipping the Bypass-Switch.

| Bypass-Switch Position | CCT Control |
|------------------------|-------------|
| Towards the Track | Faceplate |
| Away from the Track | Individual |

- When the Bypass-switch is in the position Away from the Track, the CCT value will be set manually via a VR button by a special tooling. When this function is no longer required, flip back the Bypass-Switch to changeover to Faceplate control.



Individually Set

1. Power-Down the entire track
2. Flip Bypass switch for individual unit control
3. Power-Up the track again
4. Adjust the CCT value with tooling

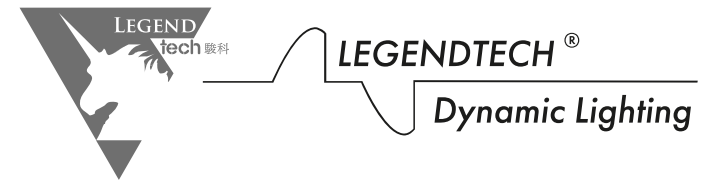
Faceplate Adjustment

1. Power-Down the entire track
2. Flip Bypass switch for faceplate control
3. Power-Up the track again
4. Adjust the CCT value with rotary button

Brightness Intensity Adjustment

The Brightness Intensity is controlled independently of the CCT value adjustment. Thus, the position of the Bypass-Switch has no impact on the Brightness control.

The Brightness Intensity of our Tune-able White Track Light is controlled externally, either from the Faceplate (for local dimming) or by a Phase-cut Dimmable Lighting system (Leading / Trailing-edge phase-cut).



Installation Guidelines

Before installation, the following shall be reviewed and clearly communicated with the Electrician(s).

- 3-Phase (4-Circuit) tracks are used for mounting
- Power-down the luminaires before making the changes with the Bypass-switch
- Power-on only after the installation is completed

Connection

On a 3 Phase (4-circuit) track, the following connections shall be made between the track and Faceplate

| Device | Terminal | (4-Circuit Track) | Colour | Remarks |
|-------------|----------|-------------------|--------|--|
| DZ1G1TEN | 1-10V + | L1 | Purple | CCT + Control |
| | 1-10V - | L2 | Grey | CCT - Control |
| DZ3G450DIAL | LIVE | L3 | Brown | Dimmed Live |
| | -- | N | Blue | Direct connection from AC Mains to Track |



Color Temperature Changes when Intensity Remains Unchanged



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Control

- Brightness Control
 - Local Dimming (from Faceplate)
 - Phase-cut Dimming
 - Leading or Trailing-edge Phase-Cut Dimming Acceptable
 - Dimming performance of LED light can vary greatly on different dimming systems
 - 100% compatibility cannot be guaranteed

- Colour Temperature Adjustment
 - Local Tune-able (using Faceplate)
 - Individual Track Light (using special tooling)

Product Summary

LTAC-6527-C18-24D-VP01_WT_BP

| | |
|---------------------------------|------------------------------------|
| Operating Voltage | 220 -240Vac |
| Power | 20W |
| Tunable Color Temperature Range | 6500K – 2700K / 4000K – 1800K |
| CRI | 90+ / 95 |
| Colour | Black or White |
| Materials | Plastic (Housing), Die-cast (LED) |
| Protection Class | Class II |
| Dimmable | Trailing or Leading-edge Phase-Cut |
| Beam Angle | 24° |
| Tilt Angle | 90° |
| Rotation Angle | 358° |
| Max Luminous Intensity (cd) | 7802 @ 6500K |
| Luminous Flux (lm) | 1396 @ 6500K |
| Luminous Efficacy (lm/W) | 72.1 @ 6500K |
| Rated Life (hrs) | 25000 |
| IP Rating | IP20 |



Above shown is the LTAC-6527-C18-24D-VP01-WT_BP, which has a White unit.



Above shown is the LTAC-6527-C18-24D-VP01-BK_BP, which has a Black unit.

Model Number Nomenclature

| Series | Tune-able CCT Range | Power | Beam Angle | Design | Finish | Option |
|------------------------------|--|-----------|------------|--------|--------------------------|-------------|
| LTAC / Tune-able White Track | 6527 / 6500 – 2700K, CRI 90 4018 / 4000 – 1800K, CRI 95 | C18 / 20W | 24D / 24° | VP01 | BK / Black WT / White | BP / Bypass |