PRECISION P2 PARAGON
EFFICIENCY, ECONOMY, SUSTAINABILITY.

www.P-2.com

(714) 386-5550 CA
(715) 381-2971 WI
(352) 692-5900 FL

# TMT Series – LED Retail Track System

- Merchandisers love track lighting; High intensity MR16's, T-Metal Halide, PAR Halogens.
  - Maintenance budgets hate it.
- Spot lighting that makes your produce "pop" and delivers 3 to 1 contrast ratios is the Merchandiser's ideal.
  - Produce managers hate the product shrinkage related to the heat and UV.
- Store managers want the sales driven by good lighting design.
  - They hate paying the electricity bill.
- We Get It.
  - You can make them all happy. Relight with the TMT LED track system.
    - Low energy costs
    - Virtually no maintenance costs
    - Low Heat
    - No UV
    - Reduced fading and aging of fresh foods.
- Why P2? It's Simple. Our Experience.
  - Properly deployed, and aimed at commercially viable applications, LED is a valuable light source.
  - Improperly deployed on your project, it can be a nightmare that damages your credibility with your customer.
  - Our team of application experts and engineers have the tools and experience to deliver on the promise of LED.

## TMT – Retail LED

## Application

## TMT – 21W – SP – TG – 50k – 18C – UL – 350 – BB

| TMT | 21W | SP | TG | 50K | 18C | UL | 350 | BB | |
|---|---|---|---|---|---|---|---|---|---|
| Fixture Series | Input Watts | Primary Optics | Secondary Optics | Color Temp | LED Chip Quantity | Voltage | Drive Current | Fixture Finish | Other |

Fixture Series
TMT = LED Track Head

Input Watts
14W = 14 Watt (12 Chip, 350mA)
16W = 16 Watt (6 Chip, 700mA)
21W = 21 Watt (12 Chip, 520mA)
21W = 21 Watt (18 Chip, 350mA)

Primary Optics
SP = 12 Deg Spot
DSP = 32 Deg Diffused Flood

Secondary Optics
TG = Clear Tempered Glass Lens (STD)
CP = Clear Polycarb Lens
HF = Horizontal Flood Linear Refractor

Color Temperature
50K = 5000 Kelvin

Qty of LED Chips
6C = 6 Chip Board
12C = 12 Chip Board
18C = 18 Chip Board

Voltage
UL = 120 through 277 volt

Drive Current
350 = 350 mA Across Chip
520 = 520 mA Across Chip
700 = 700 mA Across Chip

Fixture Finish
BB = Black
BW = White
BZ = Bronze
RAL = RALxxxx (RAL Specification)

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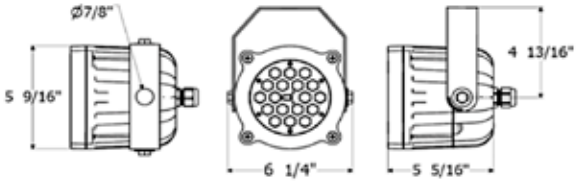
# TMT Series – LED Retail Track System




## Fixture Construction

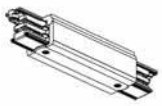
- Die cast aluminum body designed for maximum heat dissipation.
- Designed to meet IP66 standards.
- Sealed tempered glass lens.
- Stainless steel fasteners.
- Dedicated constant current driver.
- Advanced thermal management techniques and components.

TMS - Adjustable Cable Drop

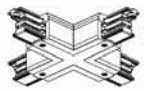
TM3 – 3 Circuit Track

TGC – Type G Grid Clip

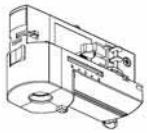
C2180 – Straight Connector



C490 – Straight Connector

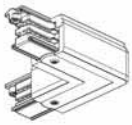


TM3A – 3 Circuit Track Adaptor

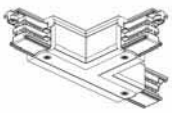


TM3 – End Cap

C290 – Corner Connector



C390 – Tee Connector



**TMT vs. Traditional Track Light – Operating Cost Comparison**

| Load Light System | Input Watts | Rated Lamp Life (Hours) | Average Annual Cost of Operation | | | Average Annual Cost | Annual Savings Per Fixture |
|---|---|---|---|---|---|---|---|
| | | | Energy Cost | Maint Cost | Total Cost | | |
| 75MR16 | 75 | 6,000 | $59 | $32 | $91 | $103 | **$90** |
| 90PAR - HAL | 90 | 5,000 | $71 | $38 | $109 | | |
| MCP70 - CMH | 94 | 12,000 | $74 | $35 | $109 | | |
| TMT - 14 Watt LED | 14 | 210,000 | $11 | $- | $11 | $13 | |
| TMT - 16 Watt LED | 16 | 100,000 | $13 | $- | $13 | | |
| TMT - 21 Watt LED | 21 | 140,000 | $17 | $- | $17 | | |

General Notes
1) All operating cost estimates are for general illustrative purposes. Actual values will vary on a site specific basis.
2) Annual maintenance and energy costs are estimated based upon 5,824 annual operating hours per year, for ten years.
3) Energy costs are based upon $0.13.5 cents per kWh, maintenance cost estimates include lamps, ballasts and labor.