

XTS TW

Dynamic | Intelligent | Connected

2.75in &
3.15in
70mm/80mm

PRODUCT SPECIFICATION

IoT Enabled AI-ready Tunable White track fixture that delivers high-quality, ultra-precision, flicker-free illumination

Integrates intelligence at the Edge via its onboard wireless mesh technology, creating the scalable, future-proof digital backbone for any modern commercial environment.

Features/Benefits

- **Perfect White Light** – Proprietary 2700K-6500K Tunable White LED provides right light for any setting, season, or time of day
- **Edge-AI Intelligence** – Fixture as an intelligent node in a robust mesh network all controllable via simple app
- **Future-Proof** – Integrated microprocessor allows for OTA (over-the-air) updates to ensure compatibility as features evolves
- **Superior Beam and Glare Control** – Features precision optics and a 30° shielding angle to virtually eliminate side glare
- **Smart Control Integration** – Wireless commissioning, grouping, and scene control via intuitive app
- **Application Flexibility** – Offered in 4 beams (15°, 24°, 36°, 50°) with flexible aiming (360° rotation, 90° tilt) to achieve precise illumination
- **Multiple Track Types** – Choose from H or J-Type Tracks for North America and 4-Wire / 3-Circuit Track for the International
- **Minimalist Aesthetics** – Sleek design with no visible screw for modern interiors and display architecture
- **Long Life Reliability** – 50,000hr lifetime ensures “install & forget” operation, backed by a 5-year warranty



Applications

Superior Illumination for:

- Smart Buildings and Connected Spaces
- Corporate and Office Lighting for Circadian Health
- Schools and Education Facilities
- Hospitality and Restaurants
- Retail and Department Stores
- Medical Clinics and Facilities



Ordering Logic

Example: XTS-TW-70-120-NS-36D-TJ-W (XTS-TW Track Spot Light, 2.75in/70mm, 120V, No Sensor, 36 Degree, J-Type Track, White)

Model	Size	Voltage	Sensor Array	Install Type	Beam Angle	Finish
XTS-TW	70 70mm	120 120V	NS No Sensor	TH H-Type Track	15D 15 Degree	B Black
	80 80mm	240 240V		TJ J-Type Track	24D 24 Degree	W White
				TI* International	36D 36 Degree	
				(4-Wire 3-Circuit)	50D 50 Degree	

*TI only for 240V SKUS

Technical Specifications

Lighting	
LED	Proprietary Tunable White
CCT Range	2700K to 6500K
CRI	>90
Color Consistency	3 SDCM
LED Rated Life (L70)	50,000 Hours
Lumen @ 3000K	See Table
Beam Angle	15°, 24°, 36°, 50°
CBCP	See Table
Electrical	
Input voltage	120V or 240V
Power	20W / 30W
Efficacy	See Table
Dimmability	Via App
Sensor Array	No Sensor
Connectivity	Wireless IoT Connectivity (BLE)
Controls	On/Off Via Wall Switch, Extensive Control Via App
Frequency	120V / 60Hz 240V / 50Hz
Power Factor	0.92 type
Inrush current	3A
Audible Noise	<20dB
Mechanical	
Dimensions (H x Ø Dia)	135 x 70mm (5.3 x 2.75in) 160 x 80mm (6.3 x 3.15in)
Net Weight	TBD
Rotation	Horizontal: 360°; Vertical: 90°
Max Ambient Temp	30° C (86° F)
Housing	Aluminum
Finish	Matte White, Matte Black
Track Type	120V: H and J-Type Track 240V: International 4 Circuit 3 Wires
Certification and Warranty	
Regulatory	ETL, FCC, RoHS, CE, UKCA
Warranty	5 Years

All data shown is nominal. Specifications and data are subject to change without notice.

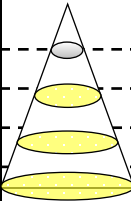
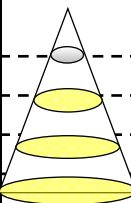
Performance Specification

Power	Base CCT	Beam	Output (lm)	Efficacy (Lm/W)	CBCP (cd)
20W	4000K	15°	1900	95	15500
		24°	1900	95	9700
		36°	1900	95	5600
		50°	1600	80	3200
30W	4000K	15°	2850	95	23000
		24°	2850	95	17000
		36°	2850	95	8700
		50°	2250	75	4300

Optical Specifications

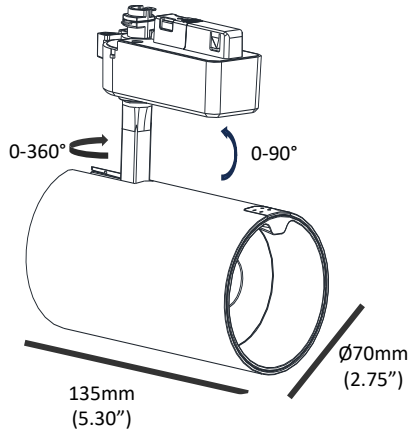
Lux Distance Curve

All data based on 4000K CCT

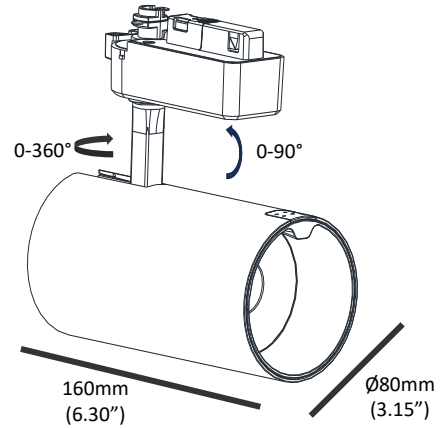
20W		4000K -- 15°		4000K -- 24°		4000K -- 36°		4000K -- 50°	
	Height (m)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)
	1	0.32	13000	0.42	7500	0.62	4200	0.78	2200
	2	0.64	3300	0.85	1900	1.24	1100	1.56	550
	3	0.95	1450	1.28	825	1.85	460	2.35	250
	5	1.58	520	2.14	300	3.10	165	3.92	85
30W		4000K -- 15°		4000K -- 24°		4000K -- 36°		4000K -- 50°	
	Height (m)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)	Diameter (m)	Lux (lx)
	1	0.33	18500	0.39	13000	0.62	6900	0.83	2900
	2	0.66	4600	0.79	3300	1.25	1700	1.66	715
	3	1.00	2100	1.19	1500	1.87	750	2.50	320
	5	1.65	730	1.98	520	3.12	380	4.15	115

Mechanical Drawing

North America Track Sizes

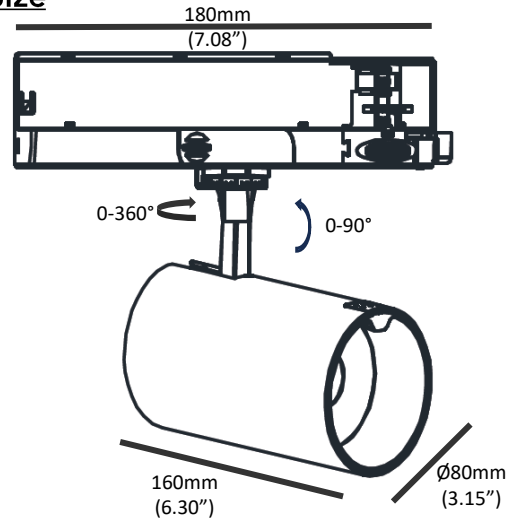
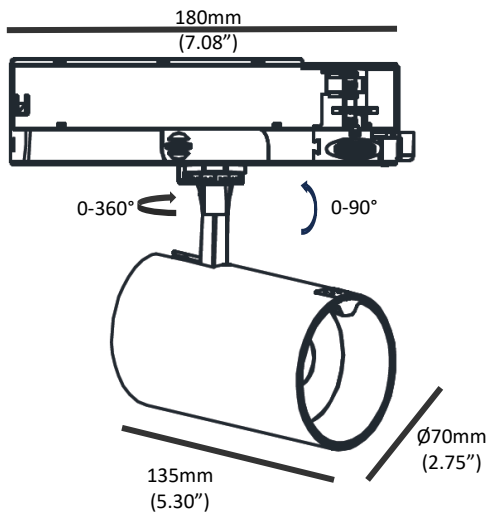


70mm – 20W Version

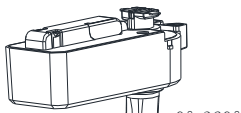


80mm – 30W Version

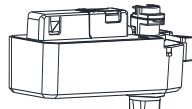
International Track Size



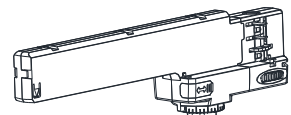
Track Adapter Options



J-Type Track Adapter



H-Type Track Adapter



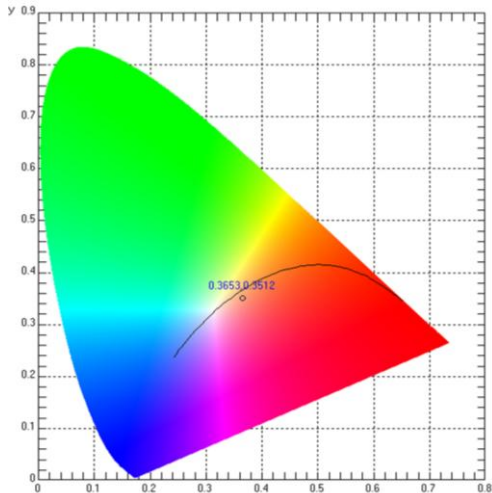
4-Wire 3-Circuit Track Adapter

Optical Specifications

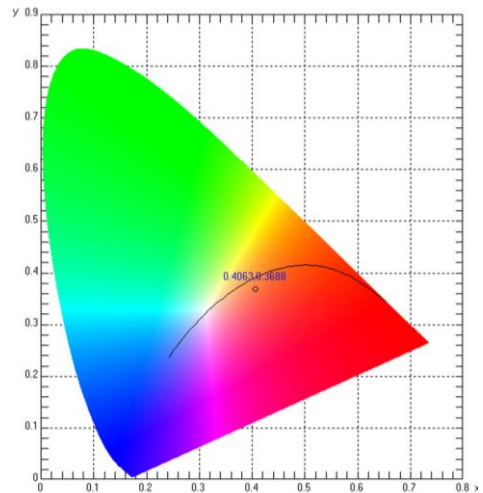
Photometric

All data based on 3000K CCT

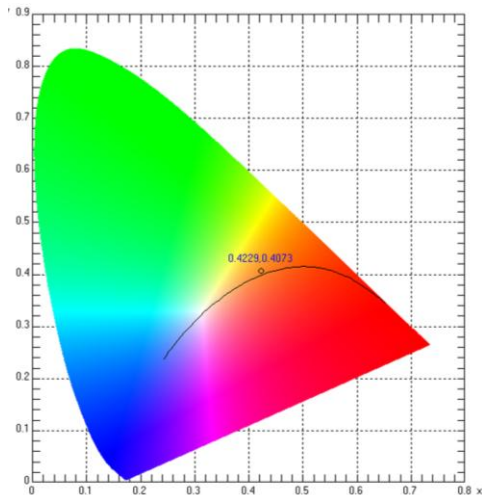
Sample data captured are for references only. The plots show the color coordinates of the light output after automatic adjustments made by AI and integrated sensor when sample display is a certain color.



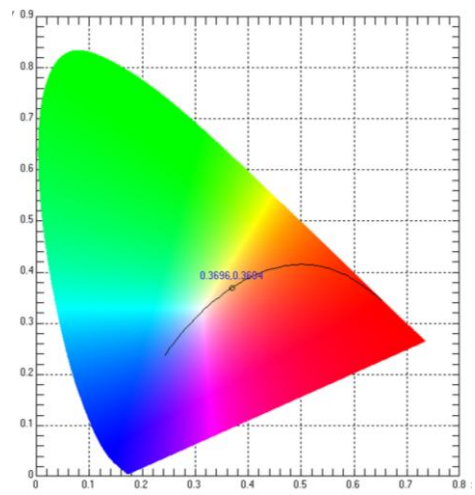
Sample Display Color:
Blue



Sample Display Color:
Red



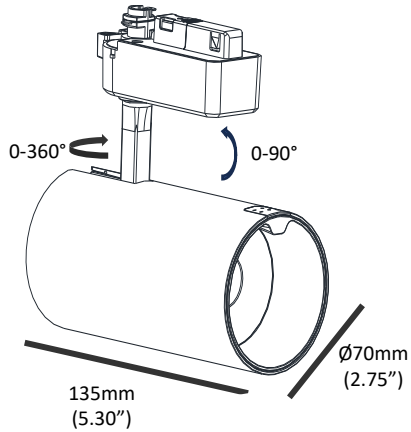
Sample Display Color:
Yellow



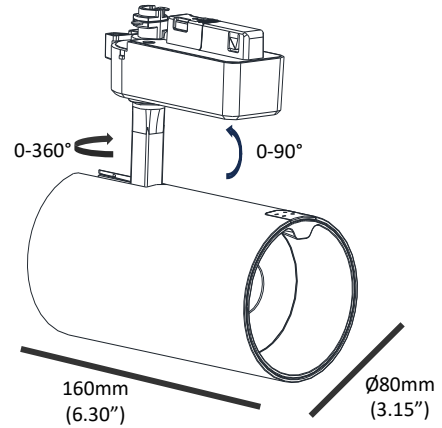
Sample Display Color:
White

Mechanical Drawing

Track Options

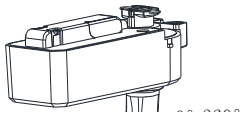


70mm – 20W Version

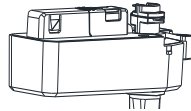


80mm – 30W Version

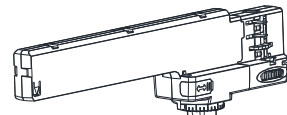
Track Adapter Options



J-Type Track Adapter

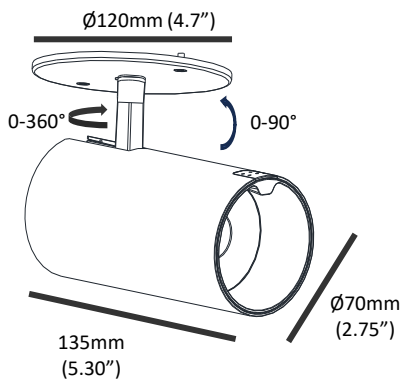


H-Type Track Adapter

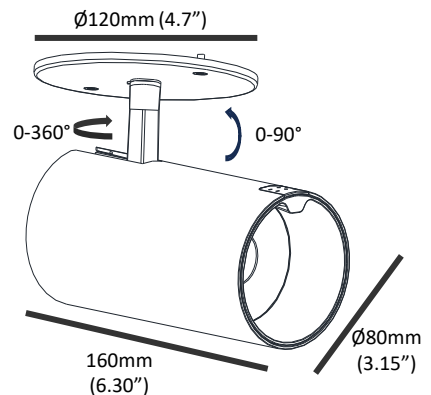


4-Wire 3-Circuit Track Adapter

Monopoint Surface Mount Options



70mm – 20W Version



80mm – 30W Version