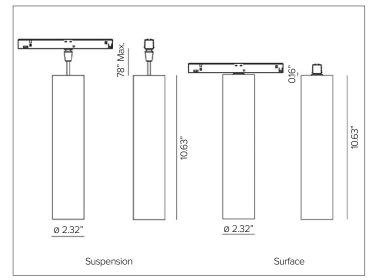
## Low Voltage LED Track Fixture



Surface version (left), Suspended version (right). Deep Black finish shown.









### ○, CONCEPT

Professional Low voltage LED fixture for direct lighting.

## MECHANICAL CHARACTERISTICS

Dimensions	10.63"L x 2.32" Dia.
Materials	Powder coated cylindrical machined aluminum body.
Finish	Plaster White Deep Black
Power Connection	To be completed with FORTYEIGHT MULTISYSTEM low voltage polarized track. Not 'Hot Swap' capable. Power to the track must be turned off for removal, replacement, or movement of the fixture.
Functionality	Tool-less installation, utilizing a mechanical fixture system that mounts to FORTYEIGHT MULTISYSTEM track system. <b>NOTE: Max of 4 connectors or 30ft of track per individual 96W power supply and/or 90W.</b> Can be used in combination with FORTYEIGHT fixture range to maximum of 90W per 96W, 48V driver.
Mounting	FORTYEIGHT MULTISYSTEM track system, sold separately. <b>Surface version NOT compatible with FORTYEIGHT RECESSED DEEP TRIMLESS track</b> . Suspension is complete with 78"L multicore cable with length adjustment system, colored fabric cable supplied to match fixture color.
Weight	1.54lbs
Protection	IP20

### **CERTIFICATIONS**

cULus Class 2 SELV Listed. Tested in accordance with LM-79-08. Compliant for California installations RoHS3 EU 215/863

## **WARRANTY**

5 year limited warranty.

### **SUSTAINABILITY**

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

## ELECTRICAL CHARACTERISTICS

Power Supply	Remote 48V driver required, refer to FORTYEIGHT MULTISYSTEM track spec sheet.
Wattage	9W
Voltage	48V
Control	O-10V to 1% or DALI / Wireless Bluetooth Casambi to 0%  Note: Control cable wired directly to track from dimming interface, not through remote driver. O-10V group fixture control. For individual fixture control DALI or wireless DALI/Casambi. For wireless bluetooth control via Casambi, use DALI fixture in combination with APPI-M-CO-9519 wireless control interface, refer to FORTYEIGHT MULTISYSTEM track specification sheet for detailed information.

## SOURCE

	LED Chip on Board.					
TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM	
	2700K	90	92	99	1.5	
	3000K	90	92	101	1.5	
	4000K	90	90	98	1.5	

## OPTIC

Optical system is dependent on beam angle. SP / FL versions comprised of metalized polycarbonate precision optics with opaque black silicone cut off ring. MWFL version comprised of convex faceted highly reflective anodized aluminum precision optic with opaque black silicone cut off ring.

				$\overline{\Lambda}$	
Beam		SP 16°	FL 35°	MWFL 45°	
Delivered Lumens	2700K	843Lm	841Lm	854Lm	
Refer to photometry section for all fixture	3000K	878Lm	876Lm	889Lm	
variations.	4000K	892Lm	889Lm	903Lm	
	For 3500k	( lumen values use mui	tiplier of 1.02 from 300	OK.	
Efficacy	98 Lm/V	V max. Refer to pho	otometric graphs fo	r specific values.	
Lifetime	L90/B10	>50,000hrs at ma	x TA +25°C		
Photobiological Classification	Low risk photobiological safety RG1				



## SPECIFICATION INFORMATION



1-PRODUCT CODE	2 - TYPE	3 - SIZE	4 - TYPE	5 - CONTROL	6 - WATTAGE	7-OPTICS	8 - KELVIN	9 - FINISH
48 —FORTYEIGHT	LA— LABEL	<b>6</b> — 2.32" Dia.	SF <sup>B</sup> — Surface	<b>10</b> - 0-10V	<b>L1</b> — 9W	<b>SP</b> — SP 16°	<b>27</b> — 2700K	<b>PW</b> — Plaster White
			<b>SU</b> — Suspended	DA¹ _ DALI/Wireless		<b>FL</b> — FL 35°	<b>30</b> — 3000K	<b>DB</b> — Deep Black
				Casambi		MW — MWFL 45°	<b>35</b> — 3500K	
							<b>40</b> — 4000K	

10 - TRACK

REQUIRED

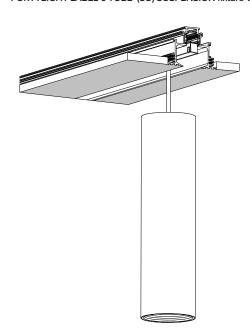
To be completed with FORTYEIGHT

MULTISYSTEM TRACK RECESSED

TRIMLESS DEEP or SURFACE /
SUSPENSION

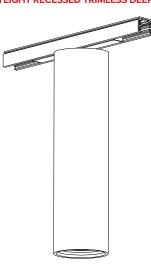
## MOUNTING COMPATIBILITY

FORTYEIGHT RECESSED TRIMLESS DEEP TRACK shown with FORTYEIGHT LABEL 6 TUBE (SU) SUSPENSION fixture version.



FORTYEIGHT MULTISYSTEM SURFACE/SUSPENSION TRACK show with FORTYEIGHT LABEL 6 TUBE (SF) SURFACE fixture version.

NOTE: (SF) Surface fixture version <u>NOT</u> compatible with FORTYEIGHT RECESSED TRIMLESS DEEP TRACK.



<sup>&</sup>lt;sup>A</sup> For wireless bluetooth control via Casambi, use DALI fixture in combination with APPI-M-C0-9519 wireless control interface.

<sup>&</sup>lt;sup>B</sup> Not compatible with Recessed Deep Trimless Track.

### **PHOTOMETRY**

#### SURFACE - SPOT



Maximum UGR = 0.5 (based on actual lumens)



Maximum UGR = 0.6 (based on actual lumens)



Maximum UGR = 0.7 (based on actual lumens)

### SURFACE - FLOOD



Maximum UGR = 1.9 (based on actual lumens)



Maximum UGR = 2.0 (based on actual lumens)

	120°	4000K	2	H(m)	D(m)	Emax(lx)
	1	Ra90	35°			
1000	60	Fixture Power	9W	1	0.63	2371
		Source Flux	1210lm	2	1.26	593
2000		Fixture Flux	886lm	3	1.89	263
00	30°	Efficacy	96lm/W	4	2.51	148
TS1619 Imax=19	59cd/klm	Imax	2371cd	5	3.14	95

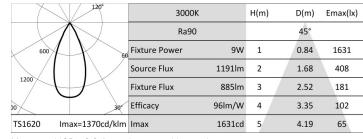
Maximum UGR = 2.1 (based on actual lumens)

### **PHOTOMETRY**

#### SURFACE - MEDIUM WIDE FLOOD



Maximum UGR = 2.8 (based on actual lumens)



Maximum UGR = 2.9 (based on actual lumens)



Maximum UGR = 3.0 (based on actual lumens)

#### SUSPENSION - SPOT

120°	2700K		H(m)	D(m)	Emax(lx)
	Ra90			16°	
3000	Fixture Power	9W	1	0.28	6883
	Source Flux	1149lm	2	0.55	1721
6000	Fixture Flux	843lm	3	0.83	765
30	Efficacy	92lm/W	4	1.11	430
TS1627 Imax=5991cd/klm	Imax	6883cd	5	1.39	275

Maximum UGR = 0.5 (based on actual lumens)



Maximum UGR = 0.6 (based on actual lumens)

	120°	4000K		H(m)	D(m)	Emax(lx)
		Ra90	16°			
3000	66	Fixture Power	9W	1	0.28	7278
		Source Flux	1215lm	2	0.55	1820
6000		Fixture Flux	892lm	3	0.83	809
00	30°	Efficacy	97lm/W	4	1.11	455
TS1627 Im	ax=5991cd/klm	Imax	7278cd	5	1.39	291

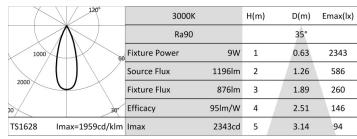
Maximum UGR = 0.7 (based on actual lumens)

### **PHOTOMETRY**

#### SUSPENSION - FLOOD



Maximum UGR = 1.9 (based on actual lumens)



Maximum UGR = 2.0 (based on actual lumens)



Maximum UGR = 2.1 (based on actual lumens)

### SUSPENSION - MEDIUM WIDE FLOOD

	120°	2700K		H(m)	D(m)	Emax(lx)
		Ra90			45°	
600	60	Fixture Power	9W	1	0.84	1574
		Source Flux	1149lm	2	1.68	393
1200		Fixture Flux	854lm	3	2.52	175
00	30	Efficacy	93lm/W	4	3.35	98
TS1629	lmax=1370cd/klm	Imax	1574cd	5	4.19	63

Maximum UGR = 2.8 (based on actual lumens)



Maximum UGR = 2.9 (based on actual lumens)

	120°	4000K		H(m)	D(m)	Emax(lx)
		Ra90			45°	
600	60	Fixture Power	9W	1	0.84	1664
		Source Flux	1215lm	2	1.68	416
1200		Fixture Flux	903lm	3	2.52	185
00	30°	Efficacy	98lm/W	4	3.35	104
TS1629	lmax=1370cd/klm	Imax	1664cd	5	4.19	67

Maximum UGR = 3.0 (based on actual lumens)