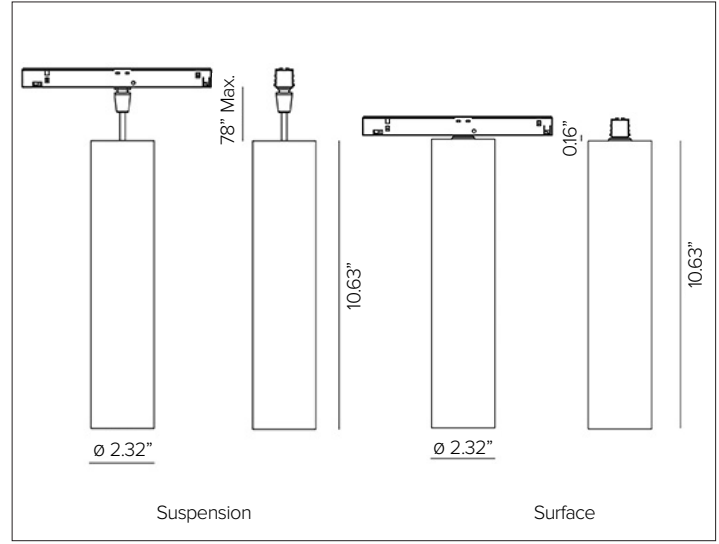


FORTYEIGHT LABEL 6 TUBE

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.
Functionality	Tool-less installation, utilizing a mechanical fixture system that mounts to FORTYEIGHT MULTISYSTEM track system. NOTE: Max of 4 connectors or 30ft of track per individual 96W power supply and/or 90W. Can be used in combination with FORTYEIGHT fixture range to maximum of 90W per 96W, 48V driver.
Mounting	FORTYEIGHT MULTISYSTEM track system, sold separately. Surface version NOT compatible with FORTYEIGHT RECESSED DEEP TRIMLESS track. 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 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	0-10V 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

High efficiency 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.

Beam	SP 16°	FL 35°	MWFL 45°
Delivered Lumens	2700K 843Lm	841Lm	854Lm
	3000K 878Lm	876Lm	889Lm
	4000K 892Lm	889Lm	903Lm
<i>For 3500K lumen values use multiplier of 1.02 from 3000K.</i>			
Efficacy	98 Lm/W max. Refer to photometric graphs for specific values.		
Lifetime	L90/B10 >50,000hrs at max TA +25°C		
Photobiological Classification	Low risk photobiological safety RG1		

FORTYEIGHT LABEL 6 TUBE

SPECIFICATION INFORMATION

48	LA	6							10
1	2	3	4	5	6	7	8	9	10

Ex: 48LA6SU10L1SP30PW

REQUIRED

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

10 - TRACK

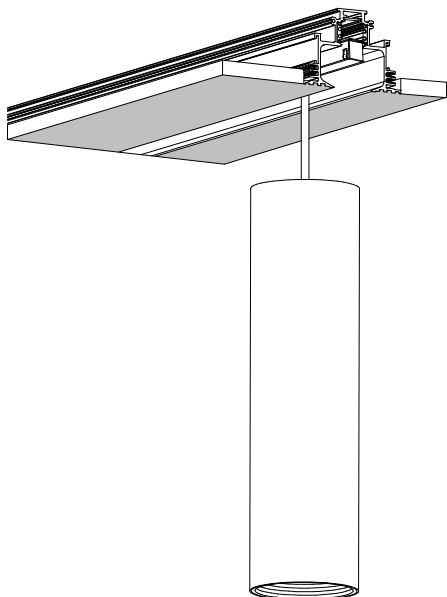
REQUIRED

To be completed with **FORTYEIGHT MULTISYSTEM TRACK RECESSED TRIMLESS DEEP** or **SURFACE / SUSPENSION**

^A For wireless bluetooth control via Casambi, use DALI fixture in combination with APPI-M-C0-9519 wireless control interface.
^B Not compatible with Recessed Deep Trimless Track.

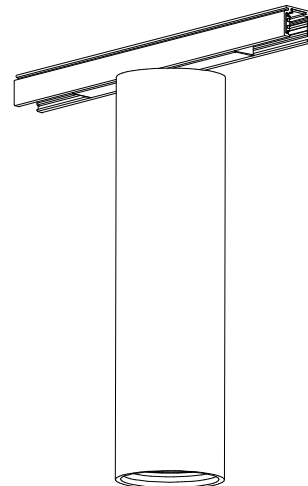
MOUNTING COMPATIBILITY

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



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

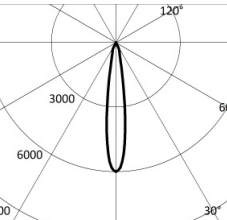
NOTE: (SF) Surface fixture version NOT compatible with FORTYEIGHT RECESSED TRIMLESS DEEP TRACK.

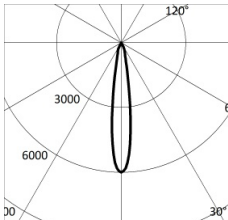


FORTYEIGHT LABEL 6 TUBE

PHOTOMETRY

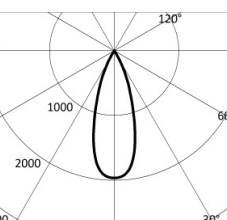
SURFACE – SPOT

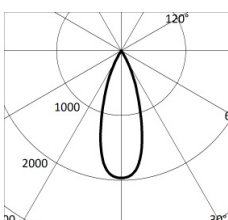
	2700K	H(m)	D(m)	E _{max} (lx)		
	Ra90		16°			
	Fixture Power	9W	1	0.28	6853	
	Source Flux	1144lm	2	0.55	1713	
	Fixture Flux	840lm	3	0.83	761	
	Efficacy	91lm/W	4	1.11	428	
TS1618	I _{max} =5991cd/klm	I _{max}	6853cd	5	1.39	274

	3000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		16°			
	Fixture Power	9W	1	0.28	7135	
	Source Flux	1191lm	2	0.55	1784	
	Fixture Flux	874lm	3	0.83	793	
	Efficacy	95lm/W	4	1.11	446	
TS1618	I _{max} =5991cd/klm	I _{max}	7135cd	5	1.39	285

	4000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		16°			
	Fixture Power	9W	1	0.28	7249	
	Source Flux	1210lm	2	0.55	1812	
	Fixture Flux	888lm	3	0.83	805	
	Efficacy	97lm/W	4	1.11	453	
TS1618	I _{max} =5991cd/klm	I _{max}	7249cd	5	1.39	290

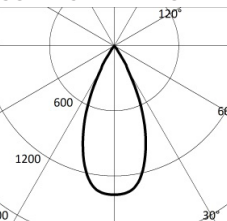
SURFACE – FLOOD

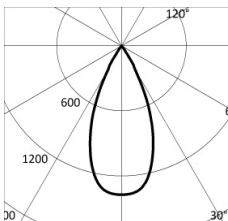
	2700K	H(m)	D(m)	E _{max} (lx)		
	Ra90		35°			
	Fixture Power	9W	1	0.63	2241	
	Source Flux	1144lm	2	1.26	560	
	Fixture Flux	837lm	3	1.89	249	
	Efficacy	91lm/W	4	2.51	140	
TS1619	I _{max} =1959cd/klm	I _{max}	2241cd	5	3.14	90

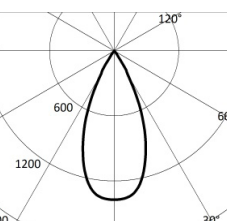
	3000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		35°			
	Fixture Power	9W	1	0.63	2333	
	Source Flux	1191lm	2	1.26	583	
	Fixture Flux	872lm	3	1.89	259	
	Efficacy	95lm/W	4	2.51	146	
TS1619	I _{max} =1959cd/klm	I _{max}	2333cd	5	3.14	93

	4000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		35°			
	Fixture Power	9W	1	0.63	2371	
	Source Flux	1210lm	2	1.26	593	
	Fixture Flux	886lm	3	1.89	263	
	Efficacy	96lm/W	4	2.51	148	
TS1619	I _{max} =1959cd/klm	I _{max}	2371cd	5	3.14	95

SURFACE – MEDIUM WIDE FLOOD

	2700K	H(m)	D(m)	E _{max} (lx)		
	Ra90		45°			
	Fixture Power	9W	1	0.84	1567	
	Source Flux	1144lm	2	1.68	392	
	Fixture Flux	850lm	3	2.52	174	
	Efficacy	92lm/W	4	3.35	98	
TS1620	I _{max} =1370cd/klm	I _{max}	1567cd	5	4.19	63

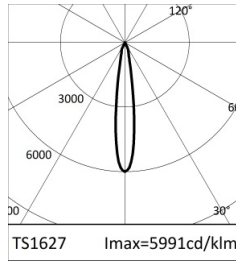
	3000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		45°			
	Fixture Power	9W	1	0.84	1631	
	Source Flux	1191lm	2	1.68	408	
	Fixture Flux	885lm	3	2.52	181	
	Efficacy	96lm/W	4	3.35	102	
TS1620	I _{max} =1370cd/klm	I _{max}	1631cd	5	4.19	65

	4000K	H(m)	D(m)	E _{max} (lx)		
	Ra90		45°			
	Fixture Power	9W	1	0.84	1657	
	Source Flux	1210lm	2	1.68	414	
	Fixture Flux	899lm	3	2.52	184	
	Efficacy	98lm/W	4	3.35	104	
TS1620	I _{max} =1370cd/klm	I _{max}	1657cd	5	4.19	66

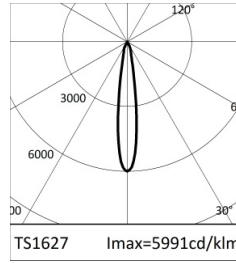
FORTYEIGHT LABEL 6 TUBE

PHOTOMETRY

SUSPENSION – SPOT



2700K		H(m)	D(m)	E _{max} (lx)	
Ra90			16°		
Fixture Power	9W	1	0.28	6883	
Source Flux	1149lm	2	0.55	1721	
Fixture Flux	843lm	3	0.83	765	
Efficacy	92lm/W	4	1.11	430	
TS1627	I _{max} =5991cd/klm	I _{max}	6883cd	5	1.39 275

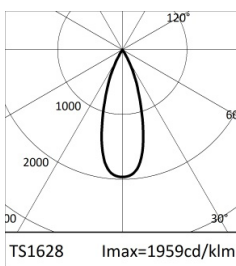


3000K		H(m)	D(m)	E _{max} (lx)	
Ra90			16°		
Fixture Power	9W	1	0.28	7165	
Source Flux	1196lm	2	0.55	1791	
Fixture Flux	878lm	3	0.83	796	
Efficacy	95lm/W	4	1.11	448	
TS1627	I _{max} =5991cd/klm	I _{max}	7165cd	5	1.39 287

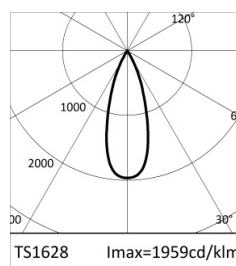


4000K		H(m)	D(m)	E _{max} (lx)	
Ra90			16°		
Fixture Power	9W	1	0.28	7278	
Source Flux	1215lm	2	0.55	1820	
Fixture Flux	892lm	3	0.83	809	
Efficacy	97lm/W	4	1.11	455	
TS1627	I _{max} =5991cd/klm	I _{max}	7278cd	5	1.39 291

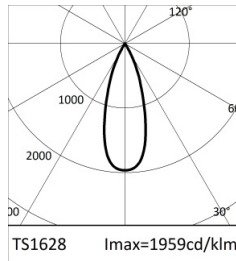
SUSPENSION – FLOOD



2700K		H(m)	D(m)	E _{max} (lx)	
Ra90			35°		
Fixture Power	9W	1	0.63	2251	
Source Flux	1149lm	2	1.26	563	
Fixture Flux	841lm	3	1.89	250	
Efficacy	91lm/W	4	2.51	141	
TS1628	I _{max} =1959cd/klm	I _{max}	2251cd	5	3.14 90



3000K		H(m)	D(m)	E _{max} (lx)	
Ra90			35°		
Fixture Power	9W	1	0.63	2343	
Source Flux	1196lm	2	1.26	586	
Fixture Flux	876lm	3	1.89	260	
Efficacy	95lm/W	4	2.51	146	
TS1628	I _{max} =1959cd/klm	I _{max}	2343cd	5	3.14 94



4000K		H(m)	D(m)	E _{max} (lx)	
Ra90			35°		
Fixture Power	9W	1	0.63	2380	
Source Flux	1215lm	2	1.26	595	
Fixture Flux	889lm	3	1.89	264	
Efficacy	97lm/W	4	2.51	149	
TS1628	I _{max} =1959cd/klm	I _{max}	2380cd	5	3.14 95

SUSPENSION – MEDIUM WIDE FLOOD



2700K		H(m)	D(m)	E _{max} (lx)	
Ra90			45°		
Fixture Power	9W	1	0.84	1574	
Source Flux	1149lm	2	1.68	393	
Fixture Flux	854lm	3	2.52	175	
Efficacy	93lm/W	4	3.35	98	
TS1629	I _{max} =1370cd/klm	I _{max}	1574cd	5	4.19 63



3000K		H(m)	D(m)	E _{max} (lx)	
Ra90			45°		
Fixture Power	9W	1	0.84	1638	
Source Flux	1196lm	2	1.68	409	
Fixture Flux	889lm	3	2.52	182	
Efficacy	97lm/W	4	3.35	102	
TS1629	I _{max} =1370cd/klm	I _{max}	1638cd	5	4.19 66



4000K		H(m)	D(m)	E _{max} (lx)	
Ra90			45°		
Fixture Power	9W	1	0.84	1664	
Source Flux	1215lm	2	1.68	416	
Fixture Flux	903lm	3	2.52	185	
Efficacy	98lm/W	4	3.35	104	
TS1629	I _{max} =1370cd/klm	I _{max}	1664cd	5	4.19 67