Strand

LEKO LED PROFILE

Strand Leko® LED Profile- the modern successor to the iconic Strand Leko that inspired generations of designers, this profile fixture is available in full color which uses a Red, Green, Blue, Amber, Lime & Cyan color mixing system for the mixable color spectrum. To compliment the Full Color version two white output versions, a warm tunable white (2700K to 4500K), and cold tunable white (4000K to 7000K) varieties, both of which offer a consistent CRI exceeding >94 CRI across all color temperatures.

The entire Leko family offer, far more than just in innovated color control, each of the fixtures utilizes new fan control technically and functions ensures these new high-powered LED fixtures are suitable for use in the quietest of applications.
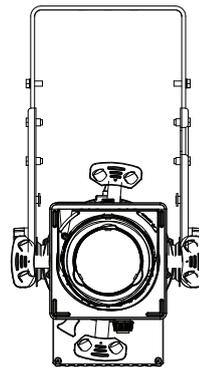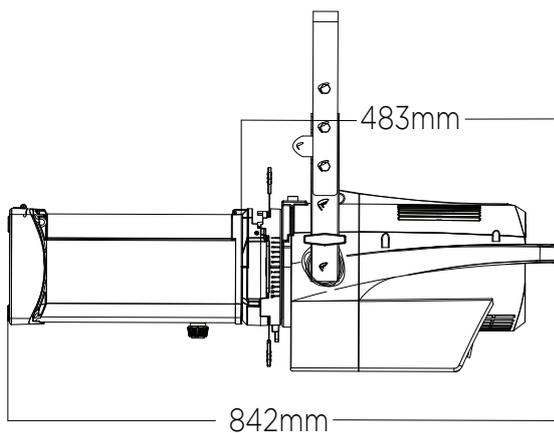
To simplify installations, the Leko LED uses the SPX Smart Gate found on legacy SPX and PL4 fixtures and is compatible with existing SPX lenses, optional universal lens tube are also available for use with legacy Strand LEKO lens tube and other common lens systems.

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FEATURES AND BENEFITS

- **High output midsized LED theatrical luminaires** - modern fixtures with quality you can trust

- **High CRI RGBALC Color System with SmartColor Control** - wide range of vivid color options that can be programmed using CYM

- **Tunable white with >94 CRI** - adjust color temperature without compromising output or quality of light

- **Independent color mixing and temperature controls** - match color palette to color temperature without manual adjustment for simpler programming

- **Quiet operation with variable fan control** - perfect for use in quiet environments

- **Adjustable frequency to exceed camera frame rates** - camera-friendly fixtures for IMAG, event recordings, or TV and film applications

483mm

842mm

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	FULL COLOR	TUNABLE WARM WHITE	TUNABLE COLOR WHITE
SOURCE			
Type	Luxeon C RGBAL LED	2700K+4500K	4000K+6500K
Wattage	91pcsx3W	91pcsx3W	91pcsx3W
OPTICAL PERFORMANCE			
Dimming	16-bit dimming; Dim snap on/off DMX control; Tungsten amber shift optional on/off DMX control	16-bit dimming; Dim snap on/off DMX control	16-bit dimming; Dim snap on/off DMX control
Dimming curves	Square Law Linear S-Curve	Square Law Linear S-Curve	Square Law Linear S-Curve
CCT	2,700 - 10,000k	2700 - 4500k	4000 - 6500k
Strobe	Standard, Lightning & Random	Standard, Lightning & Random	Standard, Lightning & Random
Max output lumens all LED full	8000	8500	9300
CRI — **RA**	>92 (CCT3200)	97	96
CRI — **R9**	96.2	81	90
TM30-15 — **Rf**	82	93	89
TM30-15 — **Rg**	116	101	98
TLCI	70	97	94
Duv (Delta UV)	0.00111	-0.00095	-0.00293
TV flicker free	Yes Adjustable 12 Hz-25 KHz	Yes Adjustable 12 Hz-25 KHz	Yes Adjustable 12 Hz-25 KHz
BEAM			
Shutter	4 blade shutter 360° continuous rotation	4 blade shutter 360° continuous rotation	4 blade shutter 360° continuous rotation
Gobo	B size gate / metal and glass	B size gate / metal and glass	B size gate / metal and glass
COLOR CONTROL			
Color mixing	RGBALC Direct control or CYM, CTO+ green magenta	*not applicable*	*not applicable*
CTO / CTB	Variable control 2,700 - 10,000K	Variable control 2,700 - 4,500K	Variable control 4,000 - 6,500K
Camera adjustments	Magenta / Green shift control	*not applicable*	*not applicable*

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	FULL COLOR	TUNABLE WARM WHITE	TUNABLE COLOR WHITE
Color presets	33 pre-defined calibrated colors; 20 user-definable color presets	*not applicable*	*not applicable*

CONTROLS

Control data protocols	DMX RDM	DMX RDM	DMX RDM
Data input	5-pin DMX in/thru	5-pin DMX in/thru	5-pin DMX in/thru
DMX modes	Smart Color Control - 14 channels (*default*); Q Color Mode - 4 channels; Open Color Control - 19 channels	16 Bit - 7 channels (*default*); 8 Bit - 5 channels; 2 Ch - 2 channels	16-bit - 7 channels (*default*); 8 Bit - 5 channels; 2 Ch - 2 channels
Fan control	Fan On (Continuous) or Fan Auto	Fan On (Continuous) or Fan Auto	Fan On (Continuous) or Fan Auto
Fan level preset	Standard Studio Whisper	Standard Studio Whisper	Standard Studio Whisper
User variable fan control	User-definable variable fan speed level via DMX Whisper - Standard	User-definable variable fan speed level via DMX Whisper - Standard	User-definable variable fan speed level via DMX Whisper - Standard

ACOUSTIC LEVELS @ 1M FULL OPERATION*

Standard	43	43	43
Studio	34	34	34
Whisper	30	30	30

* 30dBA base fan continuous mode

POWER

Range		100 - 240VAC	100 - 240VAC	100 - 240VAC
Connector type		Input/Thru	Input/Thru	Input/Thru
Max wattage	**120V**	<300W	<300W	<300W
	240V	<300W	<300W	<300W

ENVIRONMENT

Cooling system	Forced air cooling	Forced air cooling	Forced air cooling
Operating temp	0-45°	0-45°	0-45°
Construction	Cast aluminum	Cast aluminum	Cast aluminum
Standard finish	Raven black	Raven black	Raven black
IP rating	IP20	IP20	IP20

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	FULL COLOR		TUNABLE WARM WHITE		TUNABLE COLOR WHITE	
PHYSICALS						
Yoke	Double clutch yoke with built-in short yoke adjustment		Double clutch yoke with built-in short yoke adjustment		Double clutch yoke with built-in short yoke adjustment	
DIMENSIONS (H x W x D)	**mm**	**in**	**mm**	**in**	**mm**	**in**
Fixture only	261 x 484 x 276	10.3 x 19 x11	261 x 484 x 276	10.3 x 19 x11	261 x 484 x 276	10.3 x 19 x11
Packed	380 x 355 x 623	15 x 14 x 25	300 x 355 x 623	380 x 355 x 623	300 x 355 x 623	380 x 355 x 623
WEIGHT	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**
Fixture only	9.3	20.5	9.3	20.5	9.3	20.5
Packed **Net**	TBC	TBC	TBC	TBC	TBC	TBC
Gross	TBC	TBC	TBC	TBC	TBC	TBC
SOFTWARE / FIRMWARE						
Update kit	PEGASUS		PEGASUS		PEGASUS	
WARRANTY & APPROBATIONS						
Warranty	2 Years		2 Years		2 Years	
Approvals / listings	CE, ETL, UL, FCC CSA, RoHS, ISO 9001		CE, ETL, UL, FCC CSA, RoHS, ISO 9001		CE, ETL, UL, FCC CSA, RoHS, ISO 9001	

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FULL COLOR

LENS TUBE	LUX		FOOT CANDLES	
	5m	10m	16.4 ft	32.8 ft
5°	TBC	TBC	TBC	TBC
10°	TBC	TBC	TBC	TBC
14°	2640	767	245	71
19°	2300	549	214	51
26°	1200	302	111	28
36°	650	154	60	14
50°	500	105	46	10
70°	TBC	TBC	TBC	TBC
90°	TBC	TBC	TBC	TBC
15-35°				
Narrow	2308	577	214	54
Mid	1473	320	137	30
Wide	750	187	70	17
25-50°				
Narrow	1465	577	136	54
Mid	1117	280	104	26
Wide	672	167	62	16

TUNABLE WARM WHITE

LENS TUBE	LUX		FOOT CANDLES	
	5m	10m	16.4 ft	32.8 ft
5°	TBC	TBC	TBC	TBC
10°	TBC	TBC	TBC	TBC
14°	3536	884	329	82
19°	3166	792	294	74
26°	1620	405	151	38
36°	870	217	81	20
50°	510	128	47	12
70°	TBC	TBC	TBC	TBC
90°	TBC	TBC	TBC	TBC
15-35°				
Narrow	3208	897	298	83
Mid	2485	612	231	57
Wide	1080	362	100	34
25-50°				
Narrow	2093	897	194	83
Mid	1768	617	164	57
Wide	1138	362	106	34

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TUNABLE COLOR WHITE

LENS TUBE	LUX		FOOT CANDLES	
	5m	10m	16.4 ft	32.8 ft
5°	TBC	TBC	TBC	TBC
10°	TBC	TBC	TBC	TBC
14°	4046	1019	376	95
19°	3560	890	331	83
26°	2000	479	186	45
36°	980	246	91	23
50°	565	141	52	13
70°	TBC	TBC	TBC	TBC
90°	TBC	TBC	TBC	TBC
15-35°				
Narrow	3011	849	280	79
Mid	1675	457	156	42
Wide	1019	324	95	30
25-50°				
Narrow	4152	556	386	52
Mid	1947	447	181	42
Wide	876	229	81	21

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PRODUCT NAME	ORDER CODE
LEKO LED TCW, Tunable Cold White Light Engine and Gate c/w power input connector	**64505-001**
LEKO LED TWW, Tunable Warm White Light Engine and Gate c/w power input connector	**64505-002**
LEKO LED FC, Full color (RGBALC) Light Engine and Gate c/w power input connector	**64505-003**

LENS TUBES	ORDER CODE
5° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**TBC**
10° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**TBC**
14° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX14LT**
19° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX19LT**
26° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX26LT**
36° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX36LT**
50° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX50LT**
70° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**TBC**
90° Fixed lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**TBC**
15-35° Variable zoom lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX1535LT**
25-50° Variable lens tube, Compatible with LEKO LED, SPX, SPX LED and PL4 Light engines	**SPX2550LT**
Universal lens tube adaptor compatible with legacy LEKO lens tube and many third party lens tubes	**PL4UTA**

ACCESSORIES	ORDER CODE
Manual Iris (Fits Leko LED Gate)	**2180**
B sized Metal gobo holder (Fits Leko LED Gate)	**2160**
S sized glass gobo holder goes in iris slot (Fits Leko LED Gate)	**2178**