

LINEAR SERIES



DATE PROJECT

COMMENTS

CERTIFICATIONS



SLĚK SUSPENDED DIRECT & INDIRECT / DIRECT

FEATURES

The SlĚk offers a true 1" aperture with exceptional performance with a seamless and elegant lens. SlĚk can be tailored to provide accurate and powerful levels of illumination and color to meet specifiers' needs.

PERFORMANCE

Up to 152 LPW for indirect/direct and up to 117 LPW for direct at 90 CRI.

VERSATILITY

Direct and indirect lumen intensity ranges from 125 – 1000 lm/ft in 3000K, 3500K, and 4000K CCT providing specifiers with accurate and powerful levels of illumination and color within each space.

OPTICS

A seamless and elegant roll in lens for the direct illumination provides uniform light distribution, controls glare, and eliminates light leaks. The upper optics consist of an extruded lens that provides an ultrawide batwing distribution to produce a more evenly illuminated ceiling and wider spacing of luminaires.

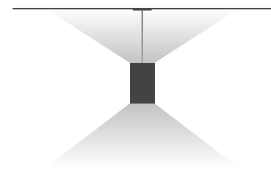
REMOTE POWER UNIT

Easy to access wiring compartments. Designed to provide flexible, fast, and easy installation in multiple different mounting configurations.

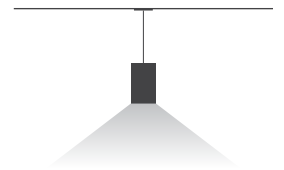
SURE-FIT ALIGNMENT

Full-body alignment system adjoins each luminaire section to ensure straighter rows while minimizing the appearance of seams.

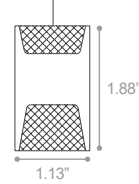
DISTRIBUTION: INDIRECT/DIRECT



DISTRIBUTION: DIRECT



CROSS-SECTION



SAMPLE PART NUMBER: SLK-D-20-HD-30-UNV-T1-WH-C90

ORDERING

SERIES	LENGTH ¹	UPPER OUTPUT	DIRECT OUTPUT	CCT	VOLTAGE	MOUNTING	FINISH	
SLK-D <small>SlĚk DIRECT</small>	XX FT	BLANK = SLK-DIRECT	HD 1000 LM/FT	VLD ² 250 LM/FT	30 3000K	UNV 120-277V	T1 1" T-Grid	WH White
SLK-ID <small>SlĚk INDIRECT/DIRECT</small>	1' Increments EX: 20FT = 20	HU 1000 LM/FT MU 750 LM/FT LU 500 LM/FT	VLU ² 250 LM/FT SLU ³ 125 LM/FT LD 500 LM/FT CU Custom	MD 750 LM/FT SLD ³ 125 LM/FT CD Custom	35 3500K 347 ⁴ 347V 40 4000K	T9 9/16" T-Grid SC Screw Slot Grid HC Hard Ceiling JB Junction Box	BLK Black S ⁵ Silver GR ⁶ CHARCOAL Gray	

ORDERING NOTES
 1 Nominal length
 2 VLU and VLD Not available on 2' length
 3 SLU and SLD Not available on 2', 3' and 4' lengths
 4 EM Not available with 347V
 5 For cable lengths longer than 144" consult factory

OPTIONS

CRI	SUSPENSION ⁵	CIRCUITING
C90		
C90 90 CRI	BLANK = 48" CABLE CB96 96" Cables	BLANK = SLK-DIRECT CB144 144" Cables BC Black Canopy & Cord SS-U/D Separate Switching <small>UPLIGHTSWITCHEDESEPARATELYFROMDIRECTLIGHT</small>

FOR INDIVIDUALS	
EM ²	Emergency Battery <small>CEC LISTED</small>
EC	Emergency Circuit

FOR LINEAR RUNS ^{7,8}		
EM		
EMERGENCY BATTERY PACK	QUANTITY PER RUN ⁷	POSITION IN RUN ⁸
EC		
EMERGENCY CIRCUIT	QUANTITY PER RUN ⁷	POSITION IN RUN ⁸

OPTIONS NOTES

6 Contact factory for available configurations, additional lead times, and adder

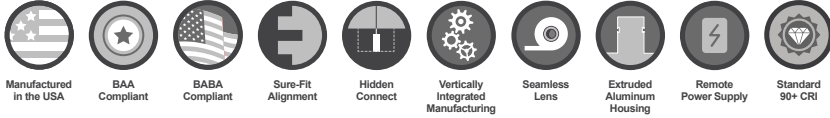
7 EM and EC Quantity is not to exceed number of discrete fixture sections in a row

8 EM and EC position refers to which fixture in the run that will be powered by the EM/EC circuit. Position Options:
 S = Starter; J = Joiner; E = Ender
 (EX: SLK-D-24-MD-30-UNV-T1-WH-EM2SJ)



SLĚK SUSPENDED

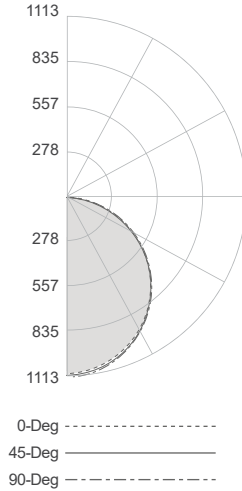
DIRECT & INDIRECT / DIRECT



PHOTOMETRICS & ENERGY CHARTS

SLK-D-04-MD-35-UNV-XX-C90

Distribution: Direct
 Total Lumens: 3028
 Ratio: 0% Up & 100% Down
 Wattage: 26.2
 Efficacy: 116 LM/W
 Fixture Length: Four Feet
 UGR: 25
 4H X 8H Cross wise, Reflectance - Ceiling: 0.7, Wall: 0.5, Floor: 0.2



Zonal Lumen Summary

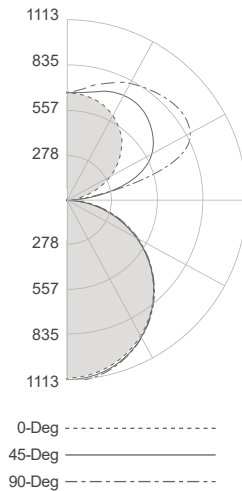
Zone	Lumens	% Fixt
0 - 30	839	27.7%
0 - 40	1359	44.9%
0 - 60	2367	78.2%
0 - 90	3027	100%
90 - 180	0	0%
0 - 180	3028	100%

Direct (Lambertian) Light at 90 CRI

	HD:1000	MD:750	LD:500	VLD:250	SLD:125
Watts/ft	8.8	6.6	4.4	2.3	1.1
Lumens/ft	980	757	514	269	124
LPW	110.9	115.6	115.8	117.6	112.7

SLK-ID-04-MU-MD-35-UNV-XX-C90

Distribution: Indirect/Direct
 Total Lumens: 5877
 Ratio: 50% Up & 50% Down
 Wattage: 44.1
 Efficacy: 133 LM/W
 Fixture Length: Four Feet
 UGR: 28.9
 4H X 8H Cross wise, Reflectance - Ceiling: 0.7, Wall: 0.5, Floor: 0.2



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	839	14.3%
0 - 40	1359	23.1%
0 - 60	2367	40.3%
0 - 90	3027	49.7%
90 - 120	793	13.5%
90 - 130	1317	22.4%
90 - 150	2256	38.4%
90 - 180	2849	48.5%
0 - 180	5877	100%

Indirect (Batwing) / Direct (Lambertian) Light at 90 CRI

	HU-HD	HU-MD	HU-LD	HU-VLD	HU-SLD
Watts/ft	14.9	12.6	10.5	8.3	7.1
Lumens/ft	1948	1725	1482	1237	1092
LPW	131	137.1	141.6	148.8	153.2

	MU-HD	MU-MD	MU-LD	MU-VLD	MU-SLD
Watts/ft	13.3	11	8.9	6.8	5.6
Lumens/ft	1692	1469	1226	981	836
LPW	127	133.2	137.5	145	149.8

	LU-HD	LU-MD	LU-LD	LU-VLD	LU-SLD
Watts/ft	11.9	9.7	7.5	5.4	4.2
Lumens/ft	1470	1247	1004	759	614
LPW	123.1	129.3	133.2	140.9	146.3

	VLU-HD	VLU-MD	VLU-LD	VLU-VLD	VLU-SLD
Watts/ft	10.5	8.2	6.1	3.9	2.8
Lumens/ft	1231	1008	765	520	375
LPW	117.4	123	125.7	132.2	136.5

	SLU-HD	SLU-MD	SLU-LD	SLU-VLD	SLU-SLD
Watts/ft	9.7	7.4	5.3	3.1	1.9
Lumens/ft	1106	883	640	395	250
LPW	114.4	119.7	121.5	126.8	129.7

Lumen Adjustment Calculations

LUMEN MULTIPLIERS	
3000K	0.995
3500K	1.000
4000K	1.023

Example: HU-MD Output, 3000K at 90CRI

Total Light Output: 6900 x 0.995 = 6866 lm
 Total Light Output Per Foot: 1725 x 0.995 = 1716 lm/ft
 Efficacy = 1716 / 12.6 = 136.2 lm/W

SLĚK SUSPENDED

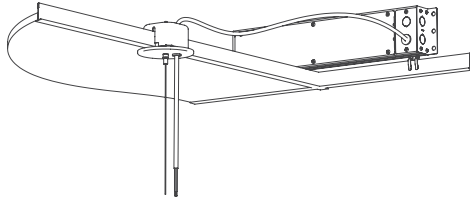
DIRECT & INDIRECT / DIRECT



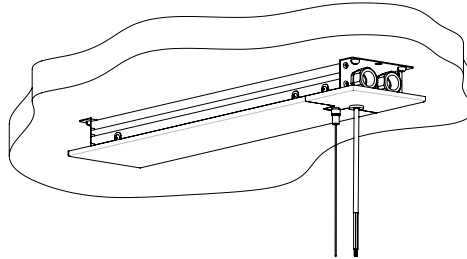
- Manufactured in the USA
- BAA Compliant
- BABA Compliant
- Sure-Fit Alignment
- Hidden Connect
- Vertically Integrated Manufacturing
- Seamless Lens
- Extruded Aluminum Housing
- Remote Power Supply
- Standard 90+ CRI

REMOTE DRIVER MOUNTING OPTIONS: DETERMINED BY MOUNTING TYPE

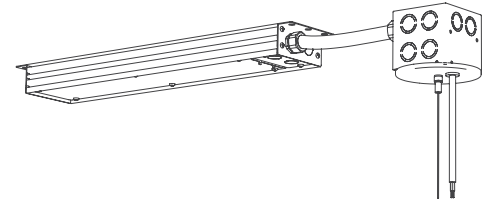
ABOVE GRID: T1 - T9 - SC



HARD CEILING: HC

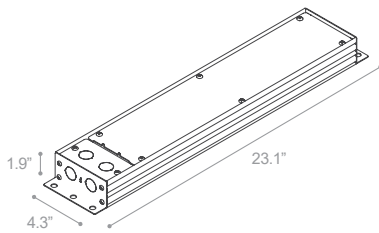


J-BOX: JB

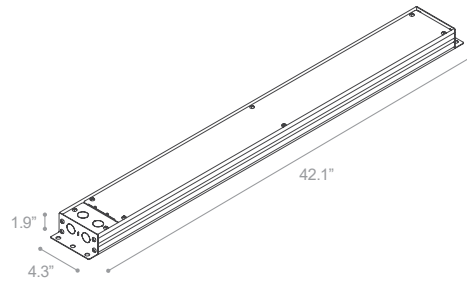


REMOTE DRIVER DETAILS

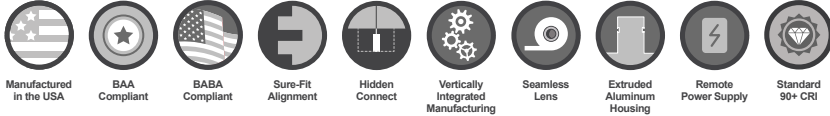
SHORT REMOTE POWER UNIT: BXS



LONG REMOTE POWER UNIT: BXL



	SHORT REMOTE POWER UNIT	LONG REMOTE POWER UNIT
DISTRIBUTION		
Indirect/Direct (SLK-ID)	X	X
Direct (SLK-D)	X	X
MOUNTING		
Hard Ceiling	X	X
Grid (T1 - T9 - SC)	X	X
J-Box	X	X
ADD-ON OPTIONS		
Separate Switching (SS-U/D)	X	X
Emergency Battery Pack (EM)		X
Emergency Transfer Switch (ETS)	X	X
IC RATED		
Approved		X



SPECIFICATIONS

MECHANICAL

Housing Construction:

Extruded aluminum 6063-T5 alloy outer housing and our high-quality die-cast end caps are engineered to conceal all fasteners, and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

Alignment/Assembly:

The alignment system employs a very quick assembly of joints. The 4 screw alignment bracket is designed to create straight rows faster than traditional joining methods. The light shield bracket is designed to remove light leak at the seam (field assembled).

Lengths:

The SlĚk Acoustic is available in direct 1-foot increments. Individual 2-foot (24"), 3-foot (36"), 4-foot (48"), 5-foot (60"), 6-foot (72"), 7-foot (84"), and 8-foot (96") lengths (± 0.030 "). Longer fixture rows are available and will be configured per Lumato factory specifications; typical rows are configured with 8-foot fixtures. Each end cap adds 0.20" to the length of each fixture run.

Mounting Method/Hardware:

Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers at the luminaire. White or black 18/4 S.J.T. cord carries low voltage to luminaire. The standard hardware includes a 57" power cord and 60" aircraft cables to accommodate a 48" mounting distance from the ceiling. Ceiling canopy provided. All suspension hardware is tested and listed to UL1598 requirements for loading/fixture support.

Suspension Components:

Fixtures are suspended by 1/16" galvanized aircraft cable. Cables are attached to the ceiling suspension point with a 1/4-20 threaded ceiling cable barrel that incorporates a threaded ring to support the feed/hanger canopy allowing access to the J-box/hanger without removal of the suspension cable allowing conductor inspection/service without having to support the fixture(s). Feed canopies are 5" O.D. and hanger canopies are 2" O.D. Cable lengths can be specified for 48", 96" and 144" suspension lengths. Ceiling type options are "T1" = T-Grid, "T9" = T-Grid, "SC" = Screw Slot Grid, "HC" = Hard Ceiling or "JB" = J-Box mount.

Fixture Finish:

The SlĚk fixture finish is available in White, Black, Silver, or Charcoal Gray polyester powder coat finish to ensure durability. Exposed, direct trim surrounding acrylic lens is to be painted specified finish. Luminaires are available in any RAL color as an option.

OPERATION

Remote Power Unit:

One remote power unit powers only one luminaire at a time. Easy to access wiring compartments for fast and easy installation. Line voltage and low voltage wire compartments.

Remote Box Mounting Configurations:

- Above T-Grid with supplied clips
- Decorative surface mount on hard sheet rock construction
- Recessed in hard sheet rock construction (IC Rated)

Light Engine:

The SlĚk is available in 3000K, 3500K, and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 90+.

Optics:

Our frosted acrylic roll in lens is designed to maximize efficiency while minimizing glare and eliminating light leaks at fixture joints. Individual fixtures come with lens factory installed while continuous runs will have a separate lens kit installed in the field once the run is hung. This will allow for a continuous/seamless lens up to 100'.

Electrical:

Electrical connections at fixture are preinstalled with low voltage wiring. Class 2 programmable (factory pre-set) premium power supply, 120-277VAC or 347V input. Power factor >0.9 THD<15%. Integral Surge Protection to 2KV.

Dimming:

The SlĚk Acoustic comes standard with 0-10V dimming to 1%.

Emergency Battery Pack:

Emergency Battery Pack has been engineered to exceed UL minimum safety standards. Standard battery is CEC Listed. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 8' VHD, only the first portion of the fixture will be illuminated by the EM battery pack.. "Quantity per Run" refers to the number of fixtures in the run that will be supplied with an emergency battery pack. "Position in Run" refers to which fixture in the run that will contain the battery. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run needing two emergency battery packs, one in the starter and one in the joiner, would be ordered as EM2SJ. When a joiner is selected, battery packs are always supplied in 8' fixtures before 6' fixtures in that run.

Emergency Circuit:

Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. "Quantity per Run" refers to the number of fixtures in the run that are wired to the emergency circuit. "Position in Run" refers to which fixture in the run that will be powered by the Emergency Circuit. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run needing two emergency sections, one in the starter and one in the joiner, would be ordered as EC2SJ. When a joiner is selected, Emergency Circuits are always supplied in 8' fixtures before 6' fixtures in that run.

GENERAL

Warranty:

Ten (10) year limited warranty from date of shipment, covers LED's, driver and luminaire. Optional accessories are covered by their individual Manufacturers' warranties.

Lumen Maintenance:

Rated for 85% initial lumen output (L85) at 90,000 hours of operation, operated at 25°C ambient temperatures; per TM-21 Guidelines published by the Illuminated Engineering Society (IES).

Certification:

All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Remote Box Driver may be IC rated as an option. Contact Lumato for more information.

Manufactured in the USA:

All Lumato luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA. All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

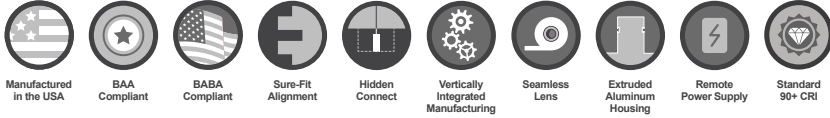
Shipping:

6 week lead-time for orders up to 1000 linear feet.

Lead-time for orders greater than 1000 linear feet will be determined at time of order.

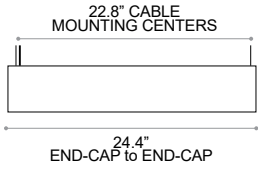
SLĚK SUSPENDED

DIRECT & INDIRECT / DIRECT

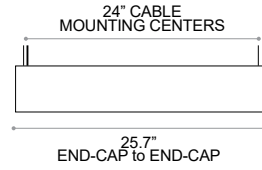


FIXTURE ROW LAYOUT: SINGLE UNIT 1' - 2' - 3' - 4' - 5' - 6' - 7' - 8'

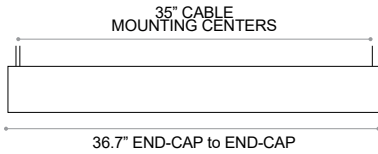
2' FIXTURE (DIRECT)



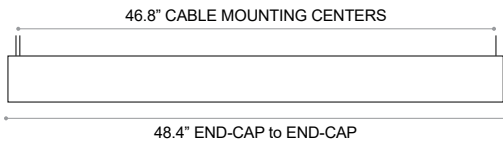
2' FIXTURE (INDIRECT / DIRECT)



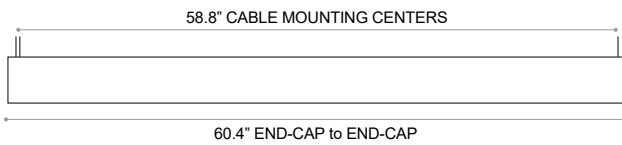
3' FIXTURE



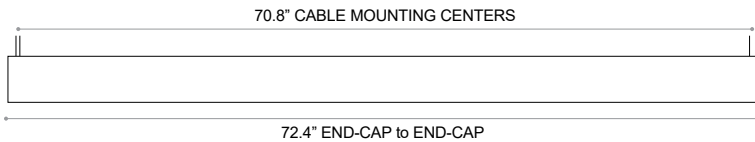
4' FIXTURE



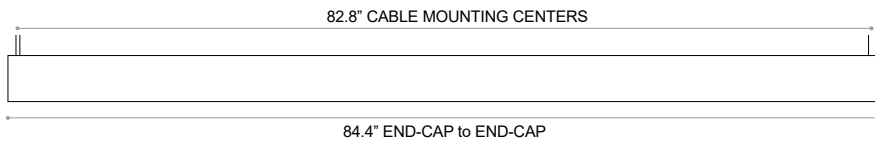
5' FIXTURE



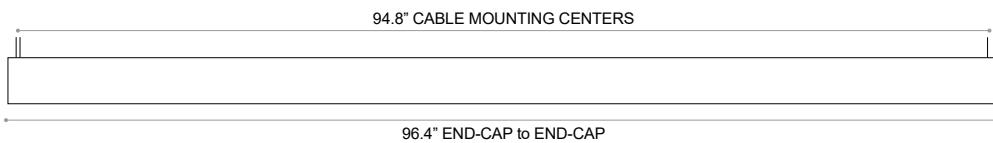
6' FIXTURE



7' FIXTURE

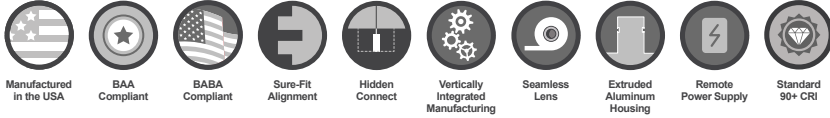


8' FIXTURE



SLĚK SUSPENDED

DIRECT & INDIRECT / DIRECT



FIXTURE ROW COMPONENTS

RUN LENGTH (FT)	FIXTURE LENGTHS									FEED KITS	HANGER KITS	END-CAP TO END-CAP
	STARTER	JOINER										
	1	2	3	4	5	6	7	8	9			
9	4'	-	-	-	-	-	-	-	5'	2	1	108.40"
10	4'	-	-	-	-	-	-	-	6'	2	1	120.40"
11	5'	-	-	-	-	-	-	-	6'	2	1	132.40"
12	6'	-	-	-	-	-	-	-	6'	2	1	144.40"
13	5'	-	-	-	-	-	-	-	8'	2	1	156.40"
14	6'	-	-	-	-	-	-	-	8'	2	1	168.40"
15	7'	-	-	-	-	-	-	-	8'	2	1	180.40"
16	8'	-	-	-	-	-	-	-	8'	2	1	192.40"
17	3	-	-	-	-	-	-	-	8'	3	1	204.40"
18	4'	6'	-	-	-	-	-	-	8'	3	1	216.40"
19	5'	6'	-	-	-	-	-	-	8'	3	1	228.40"
20	4'	8'	-	-	-	-	-	-	8'	3	1	240.40"
21	5'	8'	-	-	-	-	-	-	8'	3	1	252.40"
22	6'	8'	-	-	-	-	-	-	8'	3	1	264.40"
23	7'	8'	-	-	-	-	-	-	8'	3	1	276.40"
24	8'	8'	-	-	-	-	-	-	8'	3	1	288.40"
25	5'	6'	6'	-	-	-	-	-	8'	4	1	300.40"
26	4'	6'	8'	-	-	-	-	-	8'	4	1	312.40"
27	5'	6'	8'	-	-	-	-	-	8'	4	1	324.40"
28	4'	8'	8'	-	-	-	-	-	8'	4	1	336.40"
29	5'	8'	8'	-	-	-	-	-	8'	4	1	348.40"
30	6'	8'	8'	-	-	-	-	-	8'	4	1	360.40"
31	7'	8'	8'	-	-	-	-	-	8'	4	1	372.40"
32	8'	8'	8'	-	-	-	-	-	8'	4	1	384.40"
33	5'	6'	6'	8'	-	-	-	-	8'	5	1	396.40"
34	4'	6'	8'	8'	-	-	-	-	8'	5	1	408.40"
35	5'	6'	8'	8'	-	-	-	-	8'	5	1	420.40"
36	4'	8'	8'	8'	-	-	-	-	8'	5	1	432.40"
37	5'	8'	8'	8'	-	-	-	-	8'	5	1	444.40"
38	6'	8'	8'	8'	-	-	-	-	8'	5	1	456.40"
39	7'	8'	8'	8'	-	-	-	-	8'	5	1	468.40"
40	8'	8'	8'	8'	-	-	-	-	8'	5	1	480.40"

FIXTURE LENGTH	MOUNTING CENTERS		
	STARTER	STARTER	JOINER / ENDER
4'	48.0"	47.25"	-
6'	72.0"	71.25"	72.0"
8'	96.0"	95.25"	96.0"

