

Drywall Recessed 3" Linear LED luminaire

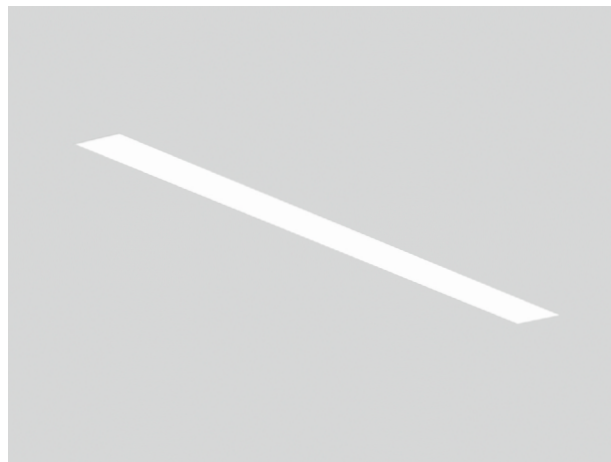
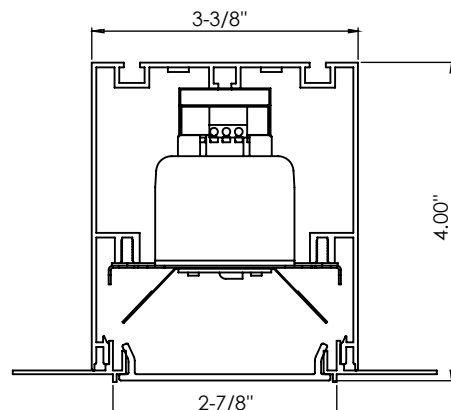
Project Name:

Fixture Type:

■ DESCRIPTION

The STUD™ is our most popular linear fixture. It is also the most flexible, allowing you to choose between recessed, surface or pendant mounted options with same extrusion. With the ability to connect one STUD™ to another, there's not much you can't do with this fixture.

■ DIMENSIONS



■ LUMEN PERFORMANCE

Input Watts	Nominal Delivered Lumen Output	Efficacy
LLW 5W/ft	497 lm/ft	99 lm/W
SLW 7.5W/ft	735 lm/ft	98 lm/W
HLW 9.38W/ft	896 lm/ft	96 lm/W

CCT	80CRI Lumen Output Multiplier	90 CRI Lumen Output Multiplier	95 CRI Lumen Output Multiplier
2700K	0.906	0.715	0.651
3000K	0.925	0.728	0.691
3500K	0.964	0.743	0.711
4000K	1	0.756	0.748

Performance based on 80 CRI, 4000K

SAMPLE LUMEN ADJUSTMENT CALCULATION

HLW 9.38W/ft, 3000K, 90CRI

Lumen Adjustment Multiplier = 0.728

Light Output lm/ft = 896 lm/ft x 0.728 = 652 lm/ft

Efficacy = 896lm/ft / 9.38W/ft = 70 lm/W

■ ORDERING CODE

Example: **STUD3-2-SLW-DM-27K-WH-STD-90C-ST-EM-DOS**

Product	Length	Watts	Mounting Type	Color Temp	Finish
STUD3					
STUD3	2 2 feet 4 4 feet 8 8 feet XX Custom Length System Run* length with any inch increment Custom length with any inch increment (18 inch minimum length)	SLW Standard 7.5W/ft LLW Low 5W/ft HLW High 9.38W/ft CLW Custom W/ft Custom watts/ft with max 9.38W/ft Consult factory for details	DM Drywall Recessed	27K 2700K 30K 3000K 35K 3500K 40K 4000K	WH Matte White XX Custom Power Coating Consult factory for colors
Optics	CRI	Driver	Options	IC Control Option	
STD Standard lens DRP Drop lens	80C 80CRI 90C 90CRI 95C 95CRI Default CRI: 90C	ST Standard LES Lutron 1% Eco System with Soft-on, Fade-to- Black	EM Emergency Driver 6WH120 6 feet control whips-120V 6WH277 6 feet control whips-277V	DS Daylight sensor OS Occupancy sensor DOS Daylight & occupancy sensor	

SPECIFICATIONS

LED SYSTEM

WATTS: 5 W/ft, 7.5 W/ft, 9.38 W/ft

- COLOR TEMPERATURE: 2700K, 3000K, 3500K, 4000K, RGBW
- LUMENS OUTPUT: 3 lumens output options STANDARD, LOW, HIGH as well as custom lumens output are available
- CRI: Minimum 90 color rendering index with an option of 95 CRI
- COLOR consistency: 3-step binning LEDs

OPTICS

Frosted snap-in spotless lens.

ELECTRICAL

Standard driver is a 120V/277V Constant current fully dimmable driver using 0-10V (down to 1%), dimming source current 150 µA

LES driver is a Hi-lume EcoSystem with Soft-on, Fade-to-Black LED Driver, dim down to 1% and fade smoothly between 0%-1% is fully accessible from below the ceiling.

- FEED: Standard 18-gauge/5 conductor single circuit feed.
Optional 6' 120V/277V flex conduit whips available .
- EMERGENCY: Optional remote emergency driver

CONSTRUCTION

- WEIGHT: surface/pendant 1.55 lbs/ft
recessed fixture 1.95 lbs/ft
- HOUSING: Precision-cut extruded aluminum housing.
- HOUSING FINISH: Standard power-coated matte white. Consult factory for custom power coating finish.
- QUICK CONNECTOR: Push-in quick connectors allow fixtures to be joined together for a long run with only one input power wiring.

MOUNTING

- END CAPS: Die-formed steel end caps add 1/8" to each end of fixture.
- SPACKLE FLANGE: Extruded aluminum (0.0475" nominal).
- REFLECTORS: Die-formed steel reflectors with high reflectance glossy white powder coat finish, 60 degree beam spread.

CONSTRUCTION

- WEIGHT: surface/pendant 1.55 lbs/ft
recessed fixture 1.95 lbs/ft
- HOUSING: Precision-cut extruded aluminum housing.
- HOUSING FINISH: Standard power-coated matte white. Consult factory for custom power coating finish.
- QUICK CONNECTOR: Push-in quick connectors allow fixtures to be joined together for a long run with only one input power wiring.

FIXTURE LENGTH

Individual Run: Nominal length of 2ft (23.75"), 4ft(47.75"), 8ft (94.75") as well as custom length are available down to inch increment with 18" minimum length.

*System Run: A seamless connection system of continuous runs. Runs of STUD3 that are longer than 8' in length are designated as System Run. 90-degree mitered corner are available for inside/outside and zig-zag corners.

- APPROVALS: UL/C-UL listed-E493134
Suitable for damp location
IC rated for recessed mount insulated ceiling
- WARRANTY: 5 Year Limited Warranty
- LIFE: > 50,000 hours at 70% lumen maintenance (L70)

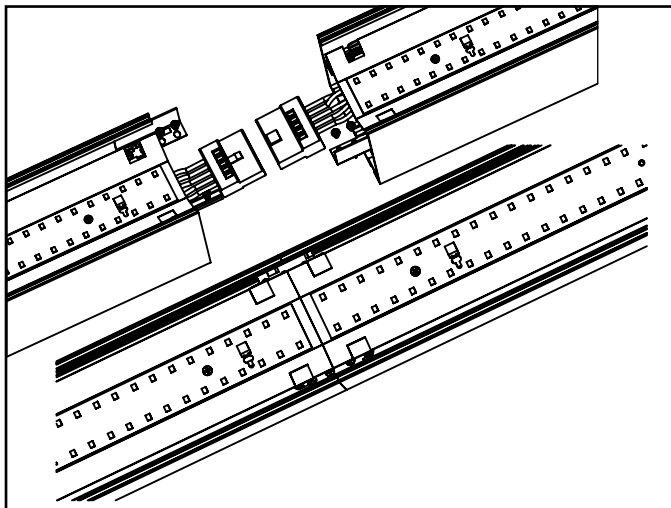


DIMMER COMPATIBILITY

Standard Driver ST					
Dimmer Manufacturer	Product	Part Number	Dimming Range	Qty Fixture Per Control	Dimming Type
120V/277V					
Lutron	Diva	DVSTV/ DVSCSTV	100%-1%	1-14	0-10 V
Lutron	Nova T	NTSTV-DV	100%-1%	1-14	0-10 V
Lutron	Nova	NFTV*	100%-1%	1-14	0-10 V

* NFTV "DIMMING ONLY" or "USE WITH PowerPack for Dimming+on/off"

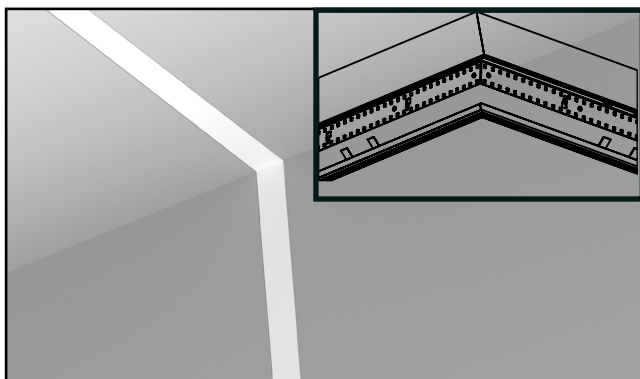
SYSTEM RUN



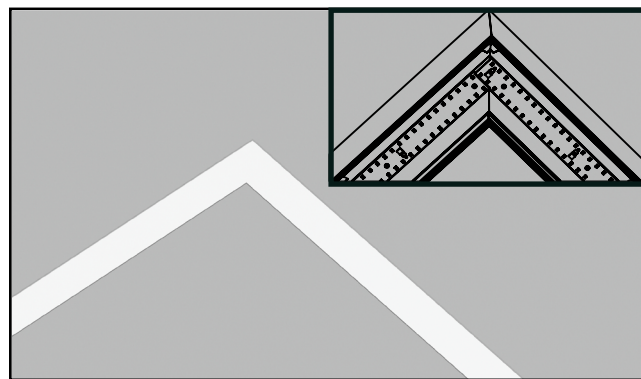
NOTE: Mount each system segment individually prior to joining them together

CORNER RUN

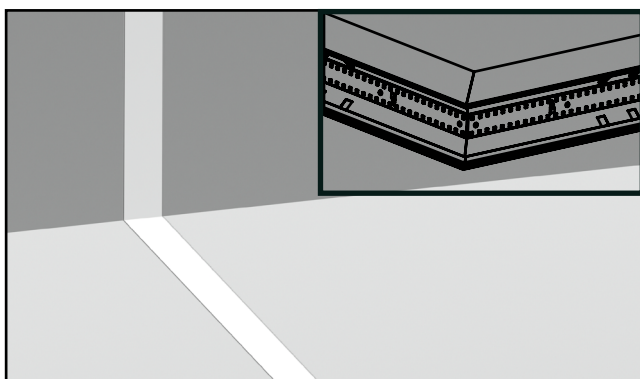
STUD3 features a multitude of corner connections. Inside corner, outside corner, zigzag corner are available for ceiling to wall, wall to ceiling, ceiling to ceiling applications.



Inside Corner

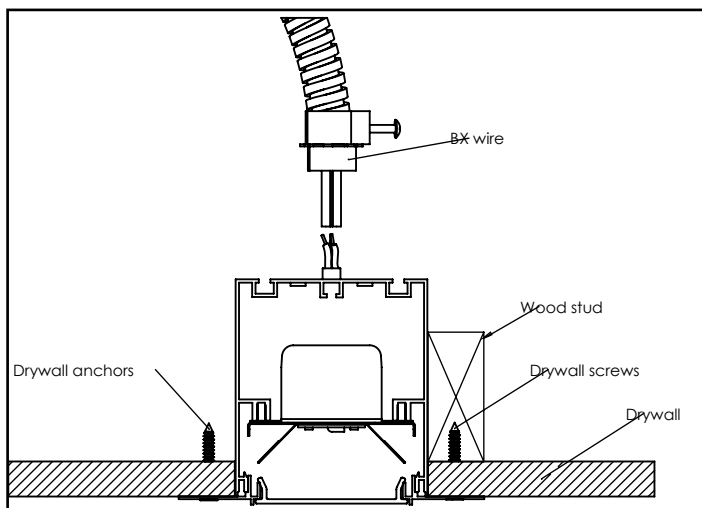


ZigZag Corner



Outside Corner

MOUNTING

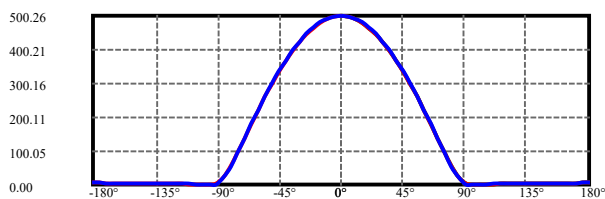
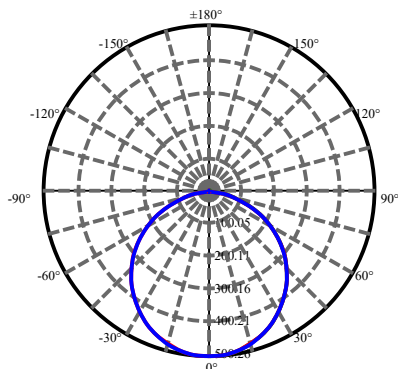


Quick-wire connection system allows STUD3 to be joined together with only one line power input to the continuous system runs. The STUD3 unit with line power input is connected to next unit with quick-wire connectors.

PHOTOMETRIC DATA

Luminous Intensity Distribution Diagram

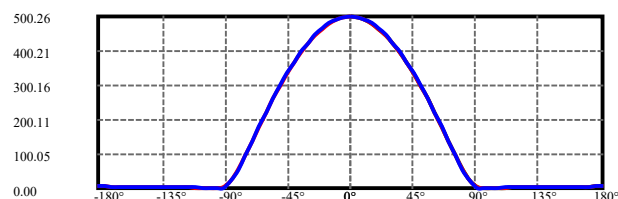
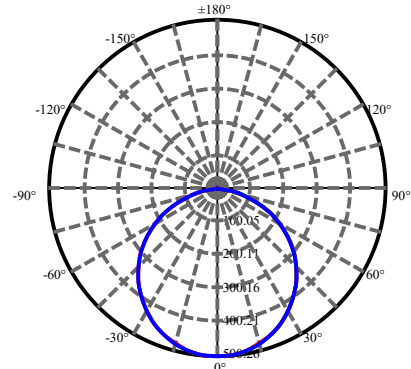
Luminaire: STUD3 4 feet
 Watts: 20W (5W/ft)
 Total delivered lumens: 1445 lm (362 lm/ft)
 CCT: 3000K
 CRI: 90C



C0(Max): 500.26
 C0/C180: 1.00
 C90/C270: 1.00
 Field angle(10%Imax):C0/180Left:80.7 Right:80.7
 :C90/270Left:80.5 Right:80.5
 Beam Angle(50%Imax):C0/180Left:56.3 Right:56.3
 :C90/270Left:56.4 Right:56.4

Luminous Intensity Distribution Diagram

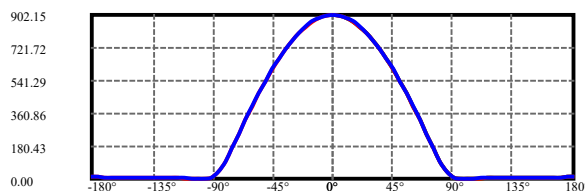
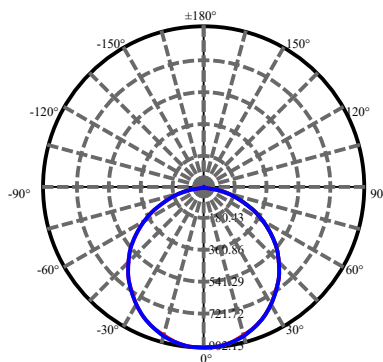
Luminaire: STUD3 4 feet
 Watts: 30W (7.5W/ft)
 Total delivered lumens: 2140 lm (535 lm/ft)
 CCT: 3000K
 CRI: 90C



C0(Max): 500.26
 C0/C180: 1.00
 C90/C270: 1.00
 Field angle(10%Imax):C0/180Left:80.7 Right:80.7
 :C90/270Left:80.5 Right:80.5
 Beam Angle(50%Imax):C0/180Left:56.3 Right:56.3
 :C90/270Left:56.4 Right:56.4

Luminaire: STUD3 4 feet
 Watts: 37.5W (9.38 W/ft)
 Total delivered lumens: 2607lm (652 lm/ft)
 CCT: 3000K
 CRI: 90C

IES FILE: STUD3-4-37.5W-SM-WH-30K-STD-90C-STD



C0(Max): 902.15
 C0/C180: 1.00
 C90/C270: 1.00
 Field angle(10%Imax):C0/180Left:80.6 Right:80.6
 :C90/270Left:80.6 Right:80.6
 Beam Angle(50%Imax):C0/180Left:56.4 Right:56.4
 :C90/270Left:56.4 Right:56.4