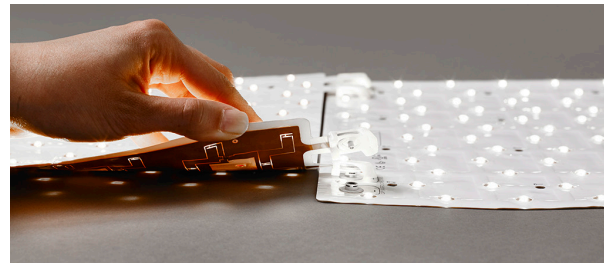Date:_____Type:_____

Client:_____

Project:_____

1' x 2' LED FLEX PANELS
CETILEEXTXXK

Flexible - Exterior System
Single Color Temperature

1' x 2', Exterior LED Flex Panel Exterior System is rated for wet location environments and is perfect for illuminating facades, canopies, entrance portals, and large-scale graphics

- Field configurable to manage obstacles such as standoffs, posts, sprinklers or support cables and rods. Conforms to shapes and unusual dimensions where necessary.

- Moisture resistant snap connectors maintain simplicity of tool-less connections.

- LED driver can power a single panel or a large number of panels (depending on lumen output of panels). A dimmer can be added to circuit.

- Constant lumen output and high color consistency ensure seamless illumination through exterior surface materials.

- Color Rendering (CRI): >80

- Required accessories: LED Driver

- Optional accessories: Tile Exterior Fit Segment, Tile Exterior Fit Kit, Exterior Starter Cable, Extension Cables, Waterproof Cable Splice, Control Module, and Extension Cable.

- UL Listed

| Color Temperature (CCT)	600 lm (W/sqft)	300 lm (W/sqft)
2700K	5.4W	2.7W
3000K	5.1W	2.6W
3500K	5.0W	2.5W
4000K	5.0W	2.5W
5700K	5.0W	2.5W

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1247 Norwood Avenue
Itasca, IL 60143 USA
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1' x 2' LED FLEX PANELS
Exterior System

1' x 2' Flex Panel Exterior System Overview

1   **TILE Exterior**
Wet location rated flexible light emitting sheet

2   **TILE Exterior Fit (1, 2, 3, or 4)**
TILE segments used to fit around obstacles or fill in areas at the edges of layouts

3   **TILE Exterior Starter Cable**
Wet location cable connects LED Driver to TILEs with simple snap connectors

4   **Power Supply (required)**
Converts AC mains (line) power to low voltage (58VDC) power.

5   **Control Module (optional)**
Receives input control signals using industry standard control protocols to dim up to 4 @ 90W output channels.

---

1   TILE EXTERIOR

12"

12"
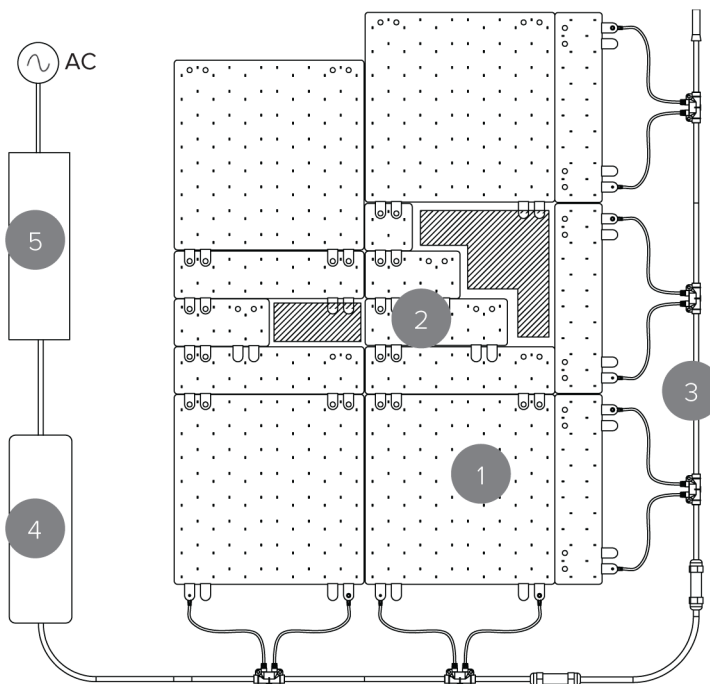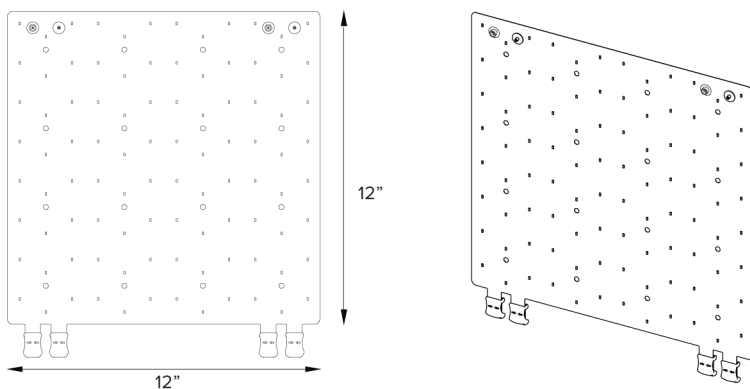
EXT		–		–	
TYPE		**FLUX**		**CCT**	
EXT = Exterior		600 = 600lm		27 = 2700K	
		300 = 300lm		30 = 3000K	
				35 = 3500K	
				40 = 4000K	
				57 = 5700K	

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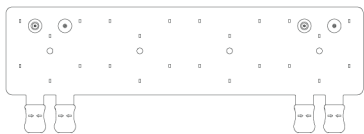TF 800.468.1488
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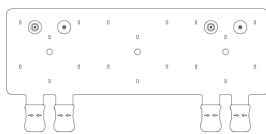
1' x 2' LED FLEX PANELS
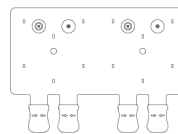# Exterior System

2 TILE EXTERIOR FIT

Purpose: Individually sealed smaller TILE Exterior segments used to negotiate obstacles such as standoffs and supports, accommodate angles and curves, or fill spaces at the edges of layouts.

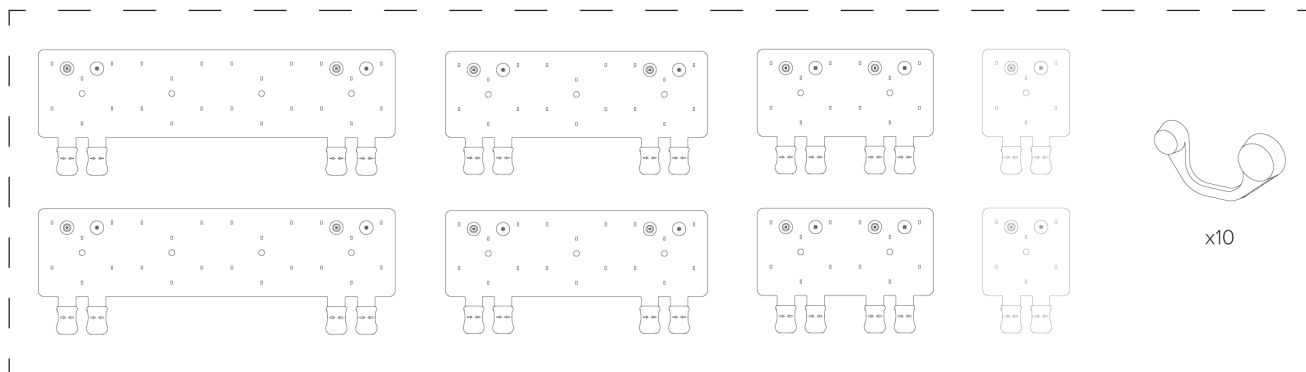CETILEEXTXXFIT4   CETILEEXTXXFIT3   CETILEEXTXXFIT2   CETILEEXTXXFIT1

EXT	-	FIT	-		-		
TYPE EXT = Exterior		KIT FIT = Fit Segment		FLUX 600 = 600lm 300 = 300lm		CCT 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 57 = 5700K	SEGMENTS 1 2 3 4

ADDITIONAL ACCESSORIES: TILE EXTERIOR FIT KIT

Purpose: A set of TILE Exterior Fit segments and connector caps available to address unexpected obstacles encountered on-site. The kit is designed to fill any void space around objects within a 12" x 12" area.

x10

EXT	-	FIT	-		-		K
TYPE EXT = Exterior		KIT FIT = Fit Segment		FLUX 600 = 600lm 300 = 300lm		CCT 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 57 = 5700K	SEGMENTS K = KIT

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1' x 2' LED FLEX PANELS
Exterior System

3 TILE EXTERIOR STARTER CABLE

Purpose: Makes the electrical connection between the LED power supply and the TILE Exterior light emitting sheets to supply power to the system.

20ft   2ft/ 4ft / 10ft   x10/ x20 / x40

INCLUDED

1	20ft section of 16 AWG wet location rated cable – no connectors (factory joined to variable length cable)
1	Section of 18 AWG wet location rated cable with over-molded "Y" connectors – choice of 2ft or 4ft length to power 1-4 runs, or 10ft length to power 5-10 runs
1	Termination Cap (tool-less) to cap cable end
10/20/40	Connector Caps (required) to cap unused connectors on TILE Exterior light emitting sheets

EXT	-	STR	
TYPE EXT = Exterior		FUNCTION STR = Starter	LENGTH 22 = 2ft + 20ft 24 = 4ft + 20ft 30 = 10ft + 20ft

ADDITIONAL WIRING ACCESSORIES

EXTENSION CABLES

2ft / 4ft / 10ft   x10/ x20 / x40

Purpose: Supplies power to additional runs for layouts where more than 10 runs exist.

INCLUDED

1	Section of 18 AWG wet location rated cable with over-molded "Y" connectors – choice of 2ft or 4ft length to power 1-4 runs or 10ft length to power 5-10 runs
1	Termination Cap (tool-less) to cap cable end
10/20/40	Connector Caps (required) to cap unused connectors on TILE Exterior light emitting sheets

EXT	-	LNG	
TYPE EXT = Exterior		FUNCTION LNG = Length (Additional)	LENGTH 2 = 2ft 4 = 4ft 10 = 10ft

ADDITIONAL WIRING ACCESSORIES (cont.)
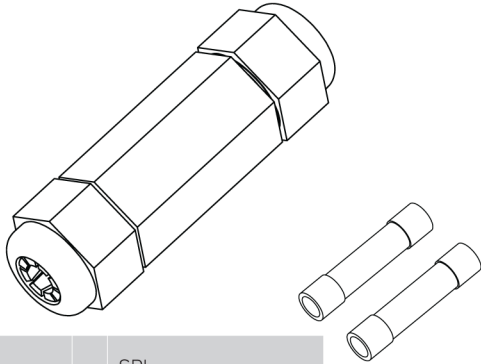
WATERPROOF CABLE SPLICE

Purpose: A waterproof connection for when two cables must be connected together.

Eg. to make a connection between a Starter Cable and an Extension Cable

Includes (2) crimp connectors suitable for 16-20AWG conductors

Maximum outer cable jacket diameter 0.472in

EXT	-	SPL
TYPE EXT = Exterior		FUNCTION SPL = Splice

4   POWER AND CONTROL

Power and Control Specifications (UL Listed)

The models shown below are those that are compatible with TILE Exterior Systems for regions where cUL Listed products are required.

POWER SUPPLIES (24V)
Purpose: Convert AC main (line) power to safe, low voltage DC power. (Required)

Order Code	# Controller Channels *	Enclosure
EPSS-100-24V	1	IP65
EPSS-400-24V	4	IP65

Class 2 (max 90W) output

CONTROL MODULES (24V)
Purpose: Receives 24VDC power from the power supply and converts it to max. 90W per channel of controlled output to drive TILE Exterior sheets. Also receives input control from one of 4 protocol options to control dimming levels. (Optional)

Order Code	Protocols
CTR-SCT-DALI-24V	0-10V, DALI
CTR-SCT-DMX-24V	DMX
CTR-SCT-CAS-24V	Casambi (wireless)

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