

INPUT	OPTIC	LUMEN (lm/ft)	MAX CANDELA (cd)
3.9W/ft	ELL 22°x60°	342	650
	SP 10°x10°	384	2273
	FL 34°x34°	384	1231
	WF 56°x56°	413	556
	GL 45°x82°	183	183
	WGS 14°x14°	304	1158
	WGM 23°x41°	295	578
	WGWF 27°x59°	271	423
	WGSP-ML 14°x14°	204	790
	WGM-ML 23°x41°	195	407
	WGWF-ML 26°x59°	180	305
	WG 21°x80°	141	170

**Luminaire characteristic:** Power input source: 3W/ft  
Power input system: 3.9W/ft  
Lumens for 3000K, 80CRI: Up to 413lm/ft  
Luminaire efficacy for 3000K, 80CRI: Up to 105lm/W

**Source:** White LED (LM-80 tested),  
2200K: 80CRI,  
2700K: 80CRI,  
3000K: 80CRI,  
3500K: 80CRI,  
4000K: 80CRI.

**Lumen maintenance:** 85% of initial lumens at 100 000 hours (L85 B10)  
Ta 77°F and 104°F (25° and 40°)

**Optic:**  
**Symmetrical optics:** Spot, flood, wide flood or general light.  
**Wall grazer optics:** Spot, medium, wide flood or no dot. Wall grazer spot, medium and wide flood are also offered with internal micro-louvre.  
**Elliptical optic:** 22°x60°

**Material:** Body: Extruded aluminum.  
End caps: Die-cast aluminum with silicone seals.  
Protective screen: ¼" (5mm) transparent glass.  
Hardware: Stainless steel.

**Mounting:** Ceiling, floor or wall mounted with fix-flat or arm accessories. Ground installation with arms on spike.

**Electrical:** 24Vdc remote LED driver. See remote option page 4.

**Dimming:** 1-10V dimming (120-277V) down to 10% (on full load), DMX RDM (120-277V) or DALI (120-277) down to 0.1%. See dimming options page 4.

**Temperature of operation:** -22°F to 122°F (-30°C to 50°C)

**Glass surface temperature:** 104°F (40°C) maximum.

**Finish:** Black, gray (RAL9007), rust brown or white (RAL9016), with a high level of weather and UV resistance. The semi-gloss finish coating is electrostatically applied, durable acrylic enamel baked at high temperatures for superior color retentive finish.

**Weight:** 0.99lb/ft (0.45kg/ft)

**Warranty:** 5 year limited warranty.

**Ratings:** IP66, IK06

**Certification:**  cULus for wet location.

## ORDERING INFO



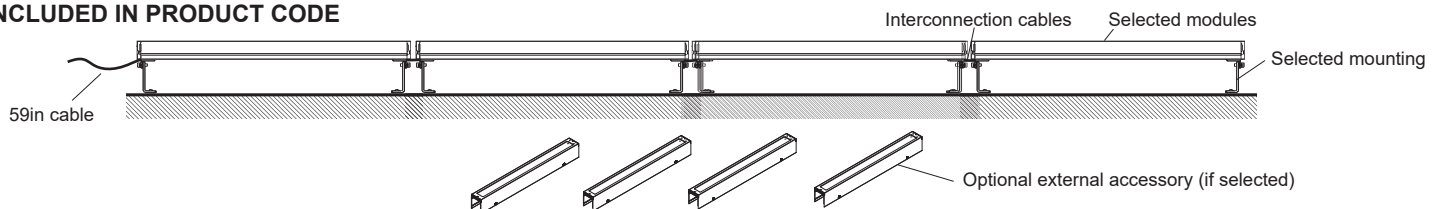
PRODUCT CODE

MODEL	LENGTH <sup>1</sup>	OUTPUT	LED	OPTIC	MOUNTING	ARM	REM	FINISH	EXTERNAL ACCESSORIES <sup>5</sup>				
<b>ILL27S</b> Linealuce 27 Surface	<b>01</b> 1.08' (329mm)	<b>BO</b> Base output	<b>822</b> 2200K, 80CRI	<b>ELL</b> <sup>2</sup> Elliptical 22°x60°	<b>U</b> arm installation for height greater than 9.5' (3m)	<b>1</b> <sup>3</sup> No arm	<b>REM</b> Remote	<b>01</b> White	<b>A1</b> Satin screen				
	<b>02</b> 2.05' (625mm)		<b>827</b> 2700K, 80CRI	Symmetrical <sup>6</sup>		<b>2</b> Black short adjustable 1-5/8" (41mm)		<b>02</b> Black		<b>A2</b> Visor			
	<b>03</b> 3.02' (920mm)		<b>830</b> 3000K, 80CRI	<b>SP</b> <sup>2</sup> Spot 10°x10°		<b>M</b> arm installation for height below 9.5' (3m)		<b>3</b> Steel short adjustable 1-5/8" (41mm)		<b>15</b> Gray	<b>A3</b> Transversal louvre		
	<b>04</b> 3.99' (1216mm)		<b>835</b> 3500K, 80CRI	<b>FL</b> Flood 34°x34°				<b>4</b> Black adjustable arms 2-3/4" (71mm)		<b>F5</b> Rust brown	<b>A4</b> Longitudinal louvre		
	<b>05</b> 4.96' (1511mm)		<b>840</b> 4000K, 80CRI	<b>WF</b> Wide flood 56°x56°				<b>S</b> <sup>3</sup> Surface Flat installation no arm			<b>5</b> Steel adjustable arms 4-3/4" (121mm)	<b>A5</b> Honeycomb louvre	
	<b>06</b> 6.04' (1842mm)			<b>GL</b> General light, No dot 45°x82°							<b>G</b> Ground Spike in soil with arm	<b>6</b> Black adjustable arms 4-3/4" (121mm)	<b>A6</b> Visor + transversal louvre
	<b>07</b> 7.01' (2138mm)			Grazer								<b>7</b> Steel adjustable arms 4-3/4" (121mm)	<b>A7</b> Linear prismatic screen
	<b>08</b> 7.99' (2434mm)			<b>WGS</b> Spot 14°x14°								<b>8</b> Black adjustable arms 8-3/4" (221mm)	<b>A8</b> Protective frame (For IK10)
	<b>09</b> 8.95' (2729mm)			<b>WGM</b> Medium 23°x41°								<b>9</b> Steel adjustable arms 8-3/4" (221mm)	
	<b>10</b> 9.92' (3024mm)			<b>WGWF</b> Wide flood 27°x60°								<b>10</b> <sup>4</sup> Black adjustable arm 4-3/4" (121mm) <b>for 1ft module only</b>	
	<b>11</b> 11.01' (3355mm)			<b>WG</b> No dot 21°x80°								<b>11</b> <sup>4</sup> Stainless steel single adjustable arm 4-3/4" (121mm) <b>for 1ft module only</b>	
	<b>12</b> 11.98' (3651mm)			Grazer with internal microlouvre									
	<b>13</b> 12.95' (3946mm)			<b>WGS-ML</b> Spot 14°x14°									
	<b>14</b> 13.91' (4242mm)			<b>WGM-ML</b> Medium 23°x41°									
	<b>15</b> 14.89' (4537mm)			<b>WGWF-ML</b> Wide flood 26°x59°									
	<b>16</b> 15.98' (4868mm)												
	<b>17</b> 16.94' (5164mm)												
	<b>18</b> 17.91' (5459mm)												
	<b>19</b> 18.88' (5755mm)												
	<b>20</b> 19.84' (6050mm)												

(1) Length 6ft and more are module composition in continuous row.  
(2) Elliptic and spot optics are available in 1ft, 2ft and 3ft module.  
(3) For Surface flat without arm mounting only (S1)

(4) Available for mounting G, 1ft module only  
(5) Consult Instruction sheet to see optic/accessory recommendations  
(6) Optics not recommended for wall lighting

## INCLUDED IN PRODUCT CODE

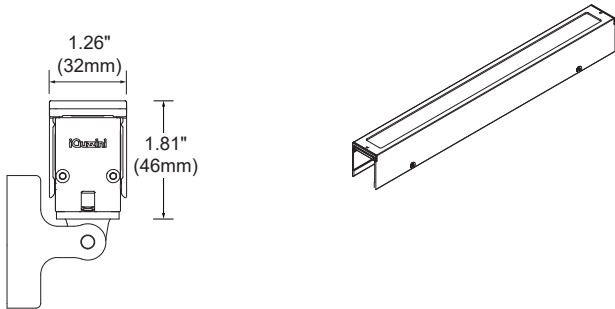


**ACCESSORIES**

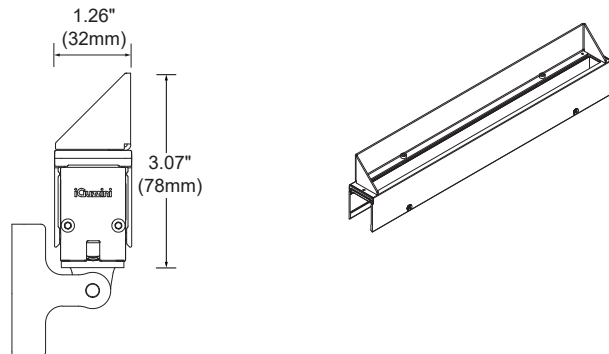
(TO BE ORDERED SEPARATELY)

All optical accessories are external. Consult instruction sheet for limitations and detail on installation.  
 All optical accessories must be assembled to the product before installation.

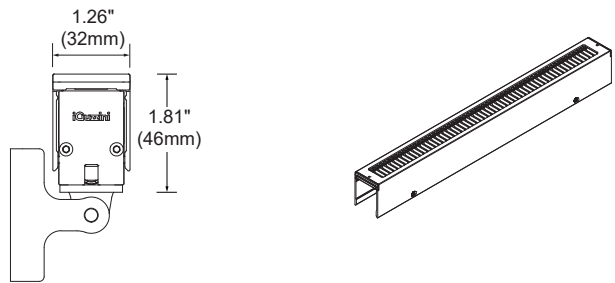
**A1- Satin screen**



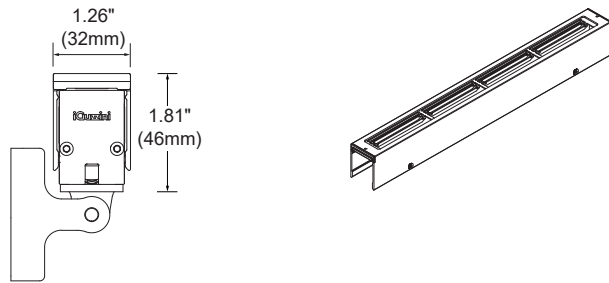
**A2- Visor**



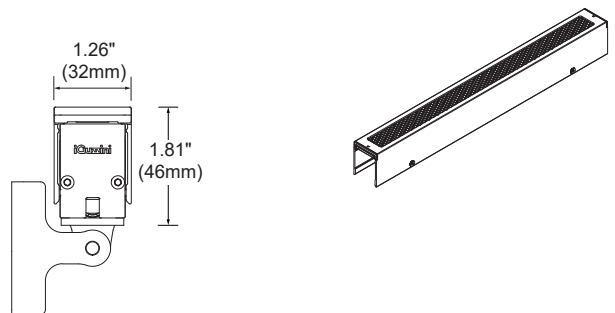
**A3- Transversal louvre**



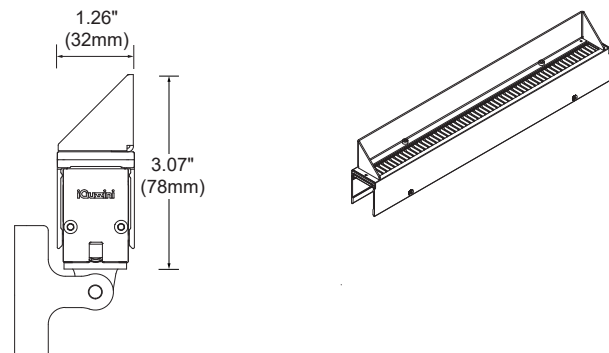
**A4- Longitudinal louvre**



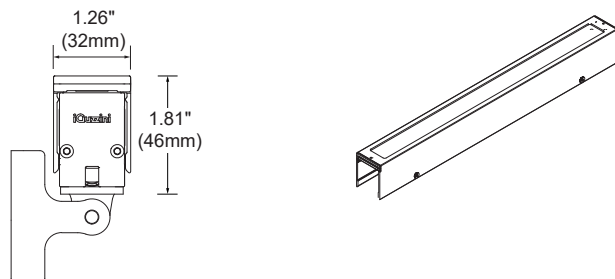
**A5- Honeycomb louvre**



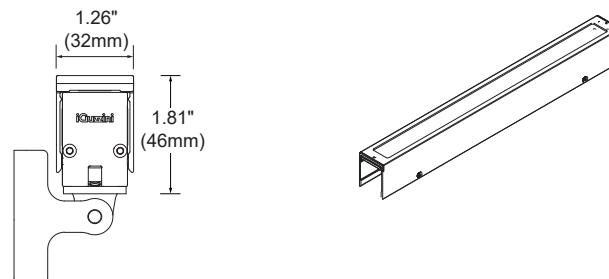
**A6- Visor + transversal louvre**



**A7- Linear prismatic screen**



**A8- Protective frame (For IK10)**



**REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)**

PRODUCT CODE

**Indoor rated drivers**

Driver box model	Min-max
	ILM27S 3W/ft
4449-0024A-060-UNV-D10	up to 20ft
4449-0024A-100-UNV-D10	33ft (20ft of Linealuce module per feed)
4446-0024A-120-UNV-D10	40ft (20ft of Linealuce module per feed)
4449-0024A-060-UNV-LDMX/DA	up to 20ft
4449-0024A-100-UNV-LDMX/DA	33ft (20ft of Linealuce module per feed)
4446-0024A-120-UNV-LDMX/DA	40ft (20ft of Linealuce module per feed)

**Outdoor rated drivers**

Driver box model	Min-max
	ILM27S 3W/ft
4549-0024A-060-UNV-D10	up to 20ft
4549-0024A-100-UNV-D10	33ft (20ft of Linealuce module per feed)
4555-0024A-060-UNV-LDMX/DA	up to 20ft
4555-0024A-100-UNV-LDMX/DA	33ft (20ft of Linealuce module per feed)

**DRIVER BOX MODEL DESCRIPTION**

DIMENSION	CONSTANT VOLTAGE	WATTAGE	VOLTAGE	DIMMING PROTOCOL	
<b>4446</b> 16" x 12" x 4" (406 x 305 x 101mm)	<b>0024A</b> 24 Vdc adjustable from 22 to 27Vdc via a built in potentiometer	<b>060 to 120</b> 60W to 120W	<b>UNV</b> 120-277V	<b>D10</b> 1-10V Max distance: 16ft (5m)* (down to 10% on full load)	*Calculated for 20 AWG cable on a 20ft line with Vstart 25V. With bigger gauge from remote driver to relay wet location junction box, you can achieve longer distance. Consult installation sheet or contact factory for longer remote distance.
<b>4449</b> 12" x 8" x 4" (305 x 203 x 101mm)					
<b>4549</b> 14.5" x 5" x 3.5" (368 x 127 x 89mm)					
<b>4555</b> 13" x 9" x 4.5" (330 x 228 x 114mm)					
				<b>LDMX</b> DALI or DMX Max distance: 16ft (5m)* (down to 0.1%)	

**ACCESSORIES**

(TO BE ORDERED SEPARATELY)

Consult instruction sheet for detail on installation.

- IX720-** 23.6in (600mm) ø0.15in cable with male/female connector. 20AWG, black.



- IX721-** 59in (1500mm) ø0.15in cable with male/female connector. 20AWG, black.



- IX773-** 13.8in (350mm) ø0.15in cable with female connector. 20AWG, black.



- IX169-** 59in (1500mm) ø0.15in cable with female connector. 20AWG, black.



- IX170-** 118in (3000mm) ø0.15in cable with female connector. 20AWG, black.



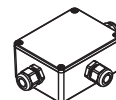
- IX171-** 196.8in (5000mm) ø0.15in cable with female connector. 20AWG, black.



- IX173-** 59in (1500mm) ø0.15in cable with male connector. 20AWG, black.



- 4543-00-** Wet location junction box. Aluminium unfinished. Includes 3 cable clamp for ø3/16 to 7/16in cable and 1 plug.



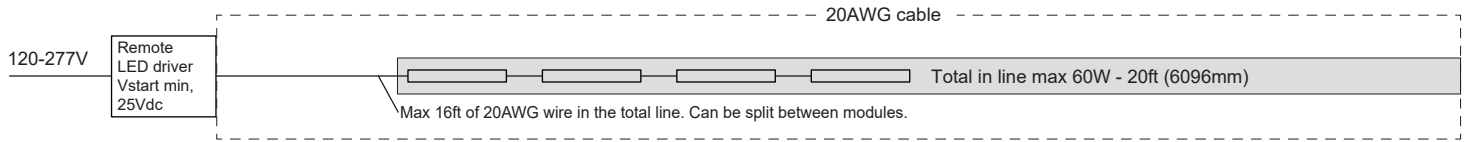
**SUGGESTED WIRING DIAGRAM**

Consult instruction sheet for wiring details and calculation.

**LED DRIVER CODE : 4XXX-0024-060-UNV-D10**

Wmax for in line with 3W/ft: 60W - 20ft (6096mm)

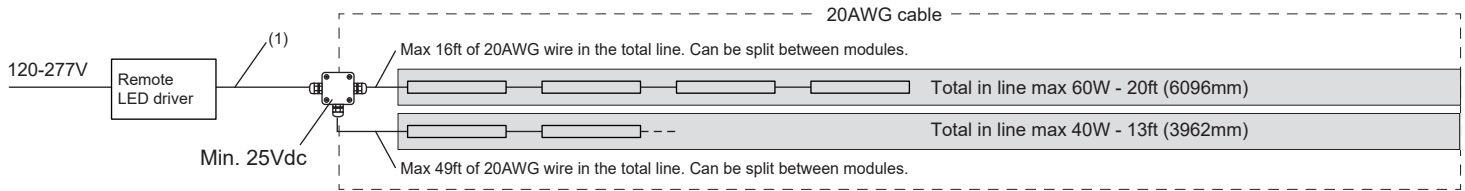
Wmax for driver box: 60W



**LED DRIVER CODE : 4XXX-0024-100-UNV-D10**

Wmax for in line with 3W/ft: 60W - 20ft (6096mm)

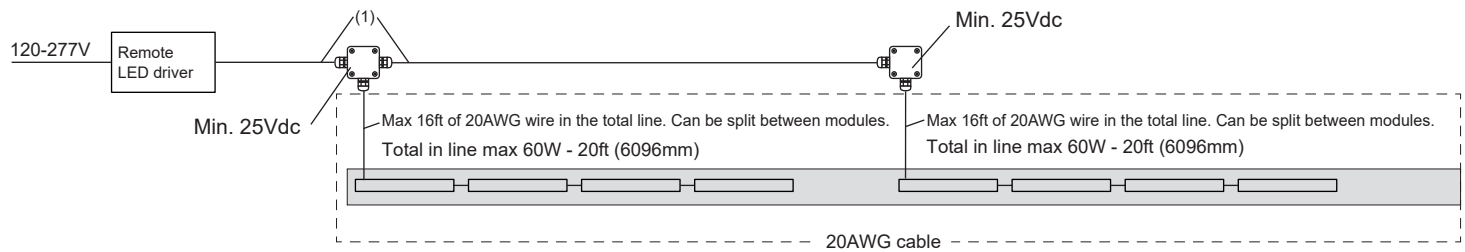
Wmax for driver box: 100W



**LED DRIVER CODE : 4XXX-0024-120-UNV-D10**

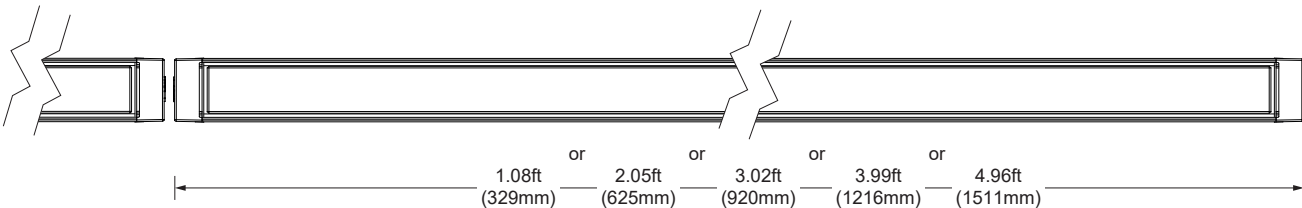
Wmax for in line with 3W/ft: 60W - 20ft (6096mm)

Wmax for driver box: 120W

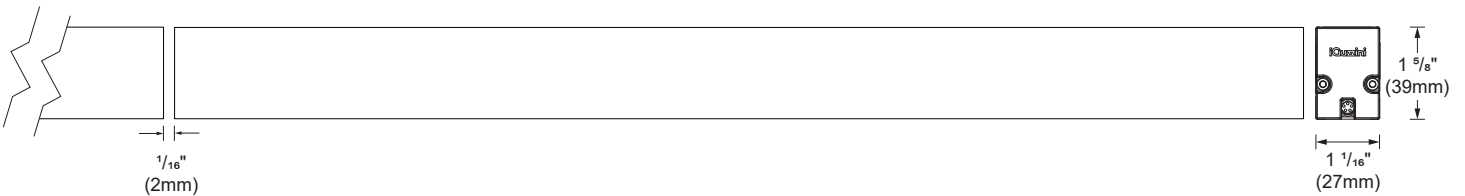


(1) Cable by other. Cable type : 2 conductors SJOOW. AWG depend of the distance of driver. Use drop voltage calculator in instruction sheet.

**DIMENSIONS**



TOP VIEW



SIDE VIEW

FRONT VIEW

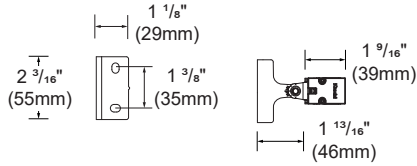
**MOUNTING AND DIMENSIONS**

Consult instruction sheet for detail on installation.

**ARM INSTALLATION FOR HEIGHTS MORE THAN 9.5ft (3m)**

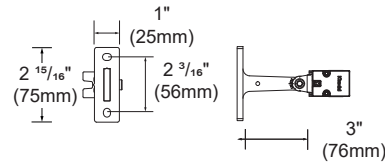
U2-U3 - Adjustable arms L=2<sup>1</sup>/<sub>4</sub>"(41mm)  
 (X688)

Weight	EPA
0.44lb (0.20kg)	0.022ft <sup>2</sup> (0.002m <sup>2</sup> )



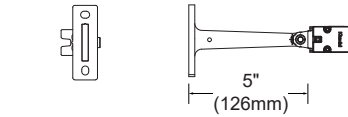
U4-U5 - Adjustable arms L=2<sup>3</sup>/<sub>4</sub>"(71mm)  
 (X770)

Weight	EPA
0.68lb (0.31kg)	0.022ft <sup>2</sup> (0.002m <sup>2</sup> )



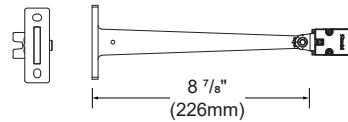
U6-U7 - Adjustable arms L=5"(121mm)  
 (X771)

Weight	EPA
0.88lb (0.40kg)	0.032ft <sup>2</sup> (0.003m <sup>2</sup> )



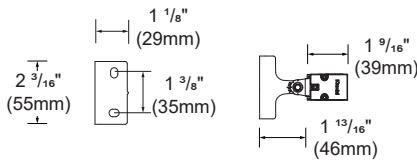
U8-U9 - Adjustable arms L=8<sup>7</sup>/<sub>8</sub>"(221mm)  
 (X772)

Weight	EPA
1.34lb (0.61kg)	0.075ft <sup>2</sup> (0.007m <sup>2</sup> )

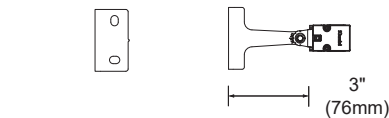


**ARM INSTALLATION FOR HEIGHTS LESS THAN 9.5ft (3m)**

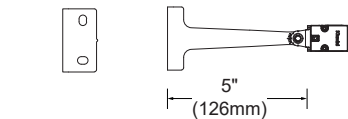
M2-M3 - Adjustable arms L=2<sup>1</sup>/<sub>4</sub>"(41mm)  
 (X688)



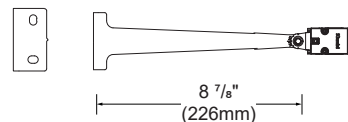
M4-M5 Adjustable arms L=2<sup>3</sup>/<sub>4</sub>"(71mm)  
 (X689)



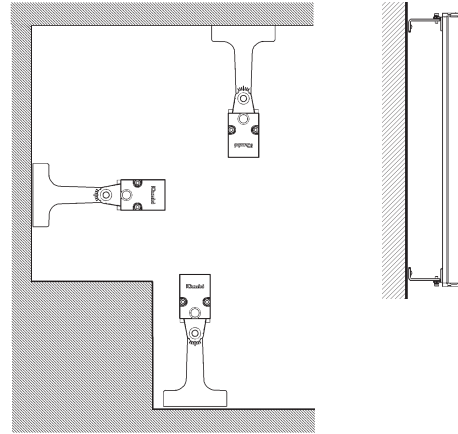
M6-M7 - Adjustable arms L=4<sup>3</sup>/<sub>4</sub>"(121mm)  
 (X690)



M8-M9 - Adjustable arms L=8<sup>7</sup>/<sub>8</sub>"(221mm)  
 (X691)



**PERMITTED INSTALLATION POSITION**

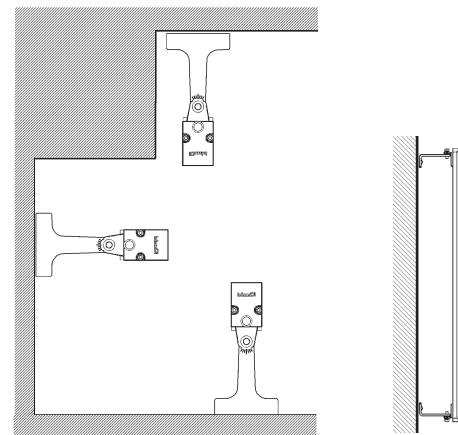


MODELS	EPA*
<b>01</b> - length 1.08' (329mm)	0.33ft <sup>2</sup> (0.031m <sup>2</sup> )
<b>02</b> - length 2.05' (625mm)	0.64ft <sup>2</sup> (0.059m <sup>2</sup> )
<b>03</b> - length 3.02' (920mm)	0.95ft <sup>2</sup> (0.088m <sup>2</sup> )
<b>04</b> - length 3.99' (1216mm)	1.25ft <sup>2</sup> (0.116m <sup>2</sup> )
<b>05</b> - length 4.96' (1511mm)	1.56ft <sup>2</sup> (0.145m <sup>2</sup> )

\* Calculated with visor accessory.

To have the total EPA, add all the value EPA items in composition  
 Consult page 9 for other length composition

**PERMITTED INSTALLATION POSITION**



**MOUNTING AND DIMENSIONS**

Consult instruction sheet for detail on installation.

**S1 - SURFACE FLAT-FIX INSTALLATION**

Plate for flat surface mounting (X760).  
 For Linealuce 27 1ft module (L=329mm).  
 Need a width clearance of 2<sup>5</sup>/<sub>8</sub>" (67mm) to install.\*

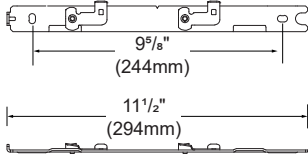


Plate for flat surface mounting (X693).  
 For Linealuce 27 2ft and 3ft module (L=628 and 920mm).  
 Need a width clearance of 2<sup>5</sup>/<sub>8</sub>" (67mm) to install.\*

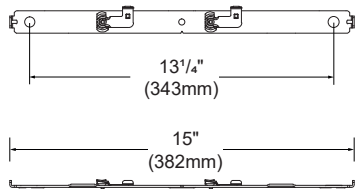
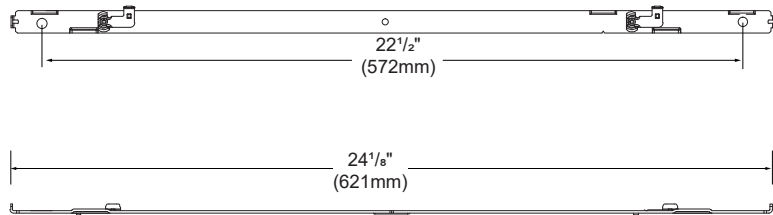
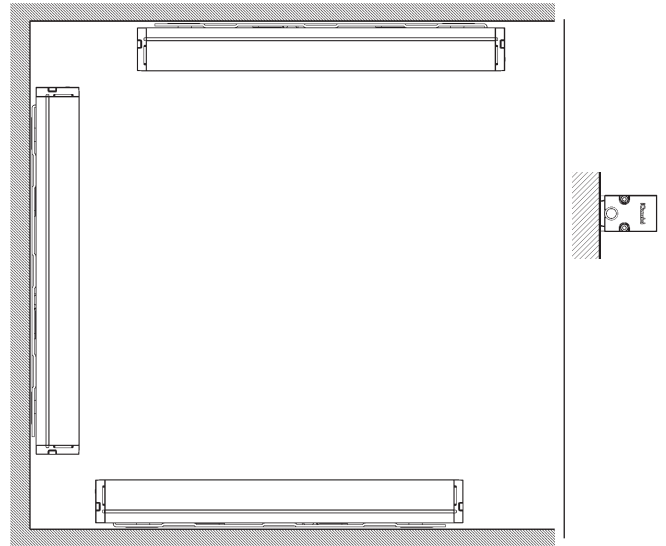


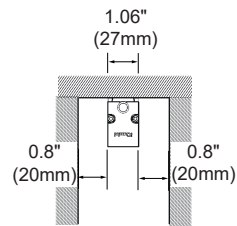
Plate for flat surface mounting (X694).  
 For Linealuce 27 4ft and 5ft module (L=1216 and 1511mm).  
 Need a width clearance of 2<sup>5</sup>/<sub>8</sub>" (67mm) to install.\*



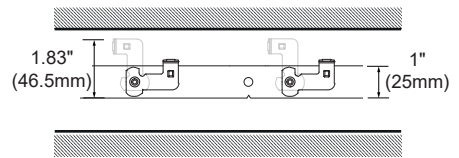
**PERMITTED INSTALLATION POSITION**



\*Need minimum width clearance of 2<sup>5</sup>/<sub>8</sub>" (67mm) to install.



Dimension when tab are opened



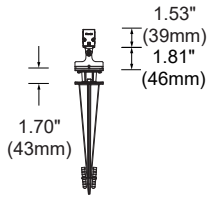
**MOUNTING AND DIMENSIONS**

Consult instruction sheet for detail on installation.

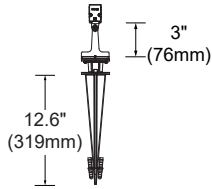
**SPIKE IN SOIL WITH PIVOT ARM**

(To be used together with arms)

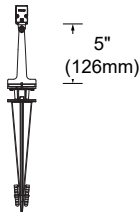
G2-G3 Spike with adjustable arm 2-1/4"(41mm)



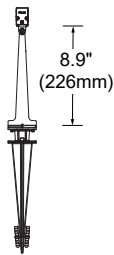
G4-G5 Spike with adjustable arm 2-3/4"(71mm)



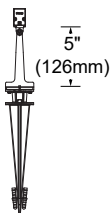
G6-G7 Spike with adjustable arm 4-3/4"(121mm)



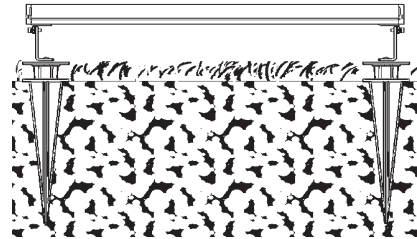
G8-G9 Spike with adjustable arm 8-3/4"(221mm)



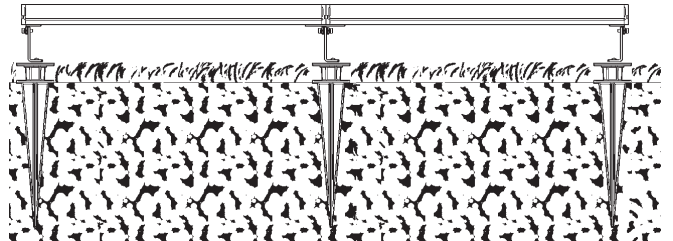
G10-G11 Spike with plate support arm 4-3/4"(121mm)  
 (only for Linealuce 27 surface, 1ft (329mm) module)



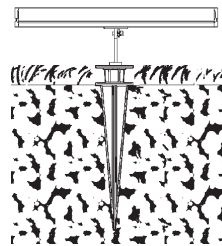
**PERMITTED INSTALLATION POSITION**



G2 to G9 layout type for 1ft to 5ft module.



G2 to G9 layout type for 6ft to 20ft length.








G10-G11 layout for 1ft module



**LENGTHS**

Except for 1ft units, all units are equipped with 2 connectors (male/female) for through wiring.  
 1ft units are equipped with 1 male connector.

Nominal length	Exact length
1	 L: 1.08ft (329mm)
2	 L: 2.05ft (625mm)
3	 L: 3.02ft (920mm)
4	 L: 3.99ft (1216mm)
5	 L: 4.96ft (1511)

**CONTINUOUS ROW MODULE**

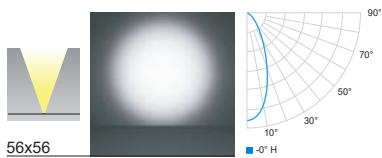
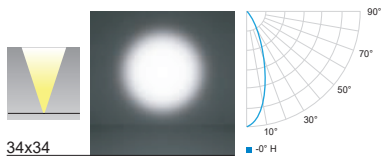
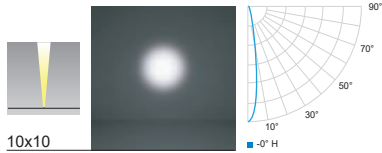
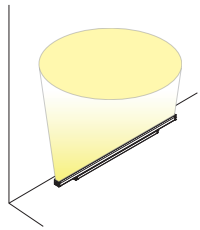
Length 6ft to 20ft are continuous row module compositions. See compositions below.  
 \*Note that 2mm spacing minimum is required for continuous rows installation.

Nominal length	Exact length	Single elements qty
6	6.04ft (1842mm)	2 x 3ft
7	7.01ft (2138mm)	1 x 3ft + 1 x 4ft
8	7.99ft (2434mm)	2 x 4ft
9	8.95ft (2729mm)	1 x 4ft + 1 x 5ft
10	9.92ft (3024mm)	2 x 5ft
11	11.01ft (3355mm)	2 x 5ft + 1 x 1ft
12	11.98ft (3651mm)	2 x 5ft + 1 x 2ft
13	12.95ft (3946mm)	2 x 5ft + 1 x 3ft
14	13.91ft (4242mm)	2 x 5ft + 1 x 4ft
15	14.89ft (4537mm)	3 x 5ft
16	15.98ft (4868mm)	3 x 5ft + 1 x 1ft
17	16.94ft (5164mm)	3 x 5ft + 1 x 2ft
18	17.91ft (5459mm)	3 x 5ft + 1 x 3ft
19	18.88ft (5755mm)	3 x 5ft + 1 x 4ft
20	19.84ft (6050mm)	4 x 5ft

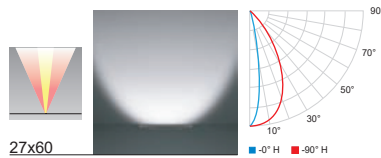
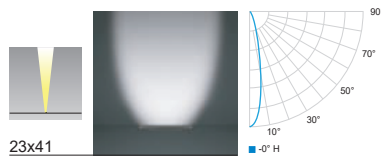
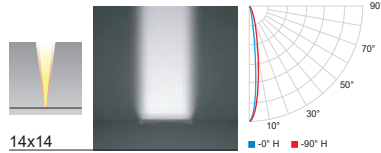
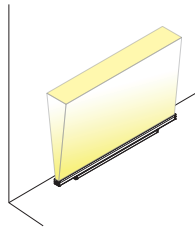
**OVERVIEW**

**OPTICS**

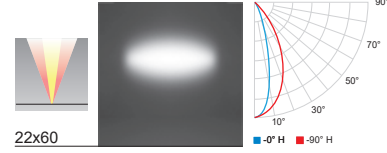
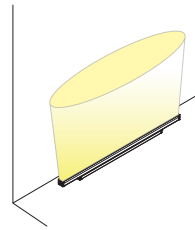
**SYMMETRICAL**



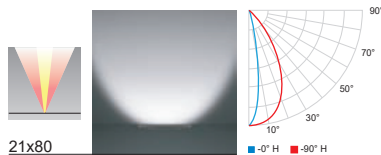
**GRAZER**



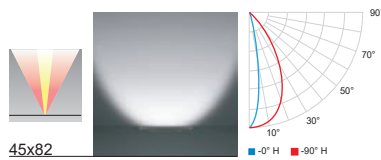
**ELLIPTICAL**



**GRAZER NOT DOT**



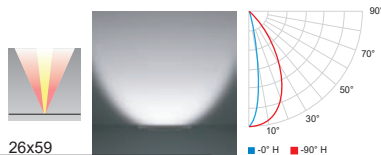
**GENERAL LIGHT NO DOT**



**GRAZER + MICROLOUVRE**

14x14

23x41



## PHOTOMETRIC DATA

### ELLIPTICAL

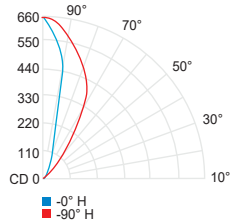
22x60



Photometric data based on maximum power consumption (1' unit). Use the multiplier table for other cct and cri output data.

CCT (K)	CRI	OUTPUT	LOAD (W/ft)	LUMENS (lm/ft)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	80	BO	3.9W/ft	342	88	650

BO elliptical (3000K, 80CRI)



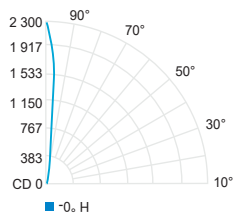
### SYMMETRICAL

10x10



3000K	80	BO	3.9W/ft	384	98	2 273
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BO symmetrical (3000K, 80CRI)

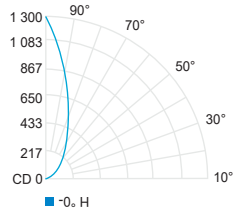


34x34



3000K	80	BO	3.9W/ft	384	98	1 231
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BO symmetrical (3000K, 80CRI)

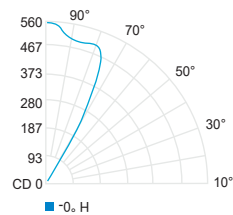


56x56



3000K	80	BO	3.9W/ft	413	105	556
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BO symmetrical (3000K, 80CRI)



CCT options	2200K	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI	80CRI
<b>Multiplier</b>	<b>0.84</b>	<b>0.96</b>	<b>1</b>	<b>1</b>	<b>1.03</b>

## PHOTOMETRIC DATA

### GENERAL LIGHT NO DOT

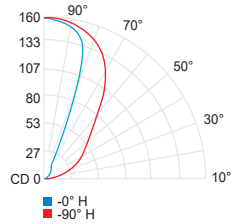
45x82



Photometric data based on maximum power consumption (1' unit). Use the multiplier table for other cct and cri output data.

CCT (K)	CRI	OUTPUT	LOAD (W/ft)	LUMENS (lm/ft)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	80	BO	3.9W/ft	183	47	183

BO General light no dot (3000K, 80CRI)



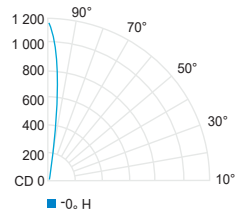
### GRAZER

14x14



3000K	80	BO	3.9W/ft	304	78	1 158
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BO Grazer (3000K, 80CRI)

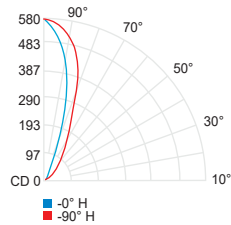


23x41



3000K	80	BO	3.9W/ft	295	76	578
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BO Grazer (3000K, 80CRI)

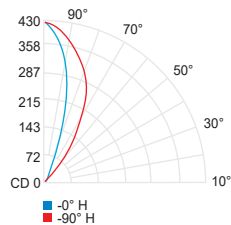


27x60



3000K	80	BO	3.9W/ft	271	69	423
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BO Grazer (3000K, 80CRI)



CCT options	2200K	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI	80CRI
<b>Multiplier</b>	<b>0.84</b>	<b>0.96</b>	<b>1</b>	<b>1</b>	<b>1.03</b>

## PHOTOMETRIC DATA

### GRAZER + MICROLOUVRE

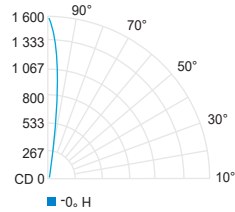
14x14



Photometric data based on maximum power consumption (1' unit). Use the multiplier table for other cct and cri output data.

CCT (K)	CRI	OUTPUT	LOAD (W/ft)	LUMENS (lm/ft)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	80	BO	3.9W/ft	204	52	790

BO Grazer + microlouvre (3000K, 80CRI)

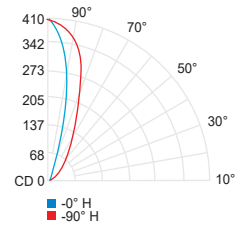


23x41



3000K	80	BO	3.9W/ft	195	50	407
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BO Grazer + microlouvre (3000K, 80CRI)

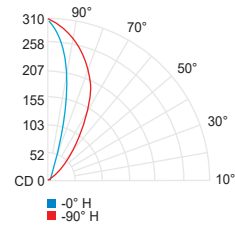


26x59



3000K	80	BO	3.9W/ft	180	46	305
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BO Grazer + microlouvre (3000K, 80CRI)



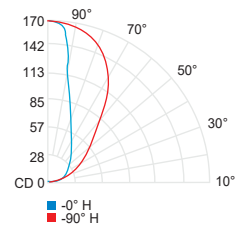
### GRAZER NO DOT

21x80



3000K	80	BO	3.9W/ft	141	36	170
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BO Grazer + microlouvre (3000K, 80CRI)



CCT options	2200K	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI	80CRI
<b>Multiplier</b>	<b>0.84</b>	<b>0.96</b>	<b>1</b>	<b>1</b>	<b>1.03</b>