



TRAXON Go[→]

Pixel Dot Go



Pixel Dot Go offers a powerful and versatile solution to create stunning pixel-controlled lighting effects on walls, buildings, facades—any surface you wish to transform.

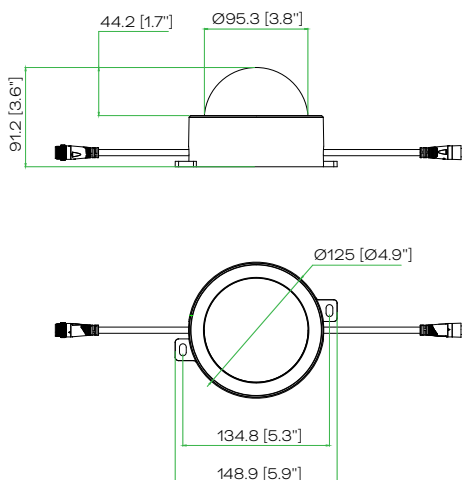
Featuring high-intensity output and two distinct lens options—Diamond Face for a dazzling starburst sparkle, and Diffused Face for smooth, uniform illumination—it delivers exceptional visual impact for architectural enhancement.

Features

- Customizable Pixel Pitch from 200mm to 5000mm
- Diamond View and Diffused View
- DMX512
- Daisy Chain System with quick lock connectors
- Manual-Addressing with TX Smart Addresser
- IP66, IK06 and 3G Vibration Resistant

Dimensions

Unit: mm



Project: _____

Type: _____



IP66



DMX 512



ANSI 3G



IK06

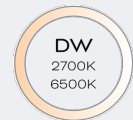
Technologies

- Manual-addressing with TX Smart Addresser
- DMX512
- 4K Hz PWM refresh rate

Color Options



RGBW
6500K



DW
2700K
6500K

Lens Options

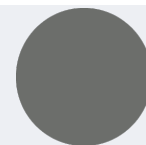
Diamond View



Diffused View



Finish



Gray



Product Specifications

	Diamond View		Diffused View	
	RGBW	DW	RGBW	DW
Max Pixels	24 pixels			
Light Source	24 RGBW 4 in 1	12 2700K + 12 6500K	24 RGBW 4 in 1	12 2700K + 12 6500K
Color Range	16.7 Million additive RGB colors, White 6500K			
Color Resolution	16-Bit Grayscale, Gamma 2.2			
Refresh Rate	PWM 4k Hz			
Beam Angle	130°		160°	
Luminous Flux (full-on)	660 lm	1091 lm	451 lm	764 lm
Efficacy (full-on)	55 lm/W	91 lm/W	37.6 lm/W	63.7 lm/W
Pixel Pitch	200mm – 5000mm			
Cover Lens	Diamond Clear PC		Dome Diffused PC	
Housing	UV resistant polycarbonate			
Housing Finish Options	Gray, White or Black finish color can be customized			
Mounting	Fixed Surface Mount			
Dimensions (L x W x H)	148.9mm [5.9"] x 125 [4.9"] x 91.2mm [3.6"]			
Weight	0.64 kg			
Regulatory Listing & Safety Approval	CE, UKCA, ANSI C136.31 - 3G, cETLus			
Operating Temperature	-30°C to +50°C (-22°F to +122°F)			
Storage Temperature	-40°C to +70°C (-40°F to +158°F)			
Environment	Outdoor, IP66, IK06			
Humidity	10% - 90%, non-condensing			

Electrical Specifications

Input Voltage	48V DC
Power Consumption*	12W
Lumen Maintenance	L70 50000hrs @ 25°C

System Specifications

Control	DMX 512
Power Supply	LED Engine 48V Outdoor
Addressing Options	Manual-Addressing with TX Smart Addresser
Fixture Interconnection	See System Diagram

*Measurement per dot. Specification is subject to change due to continuous improvement.

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time - a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicate function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

Lumen measurement complies with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

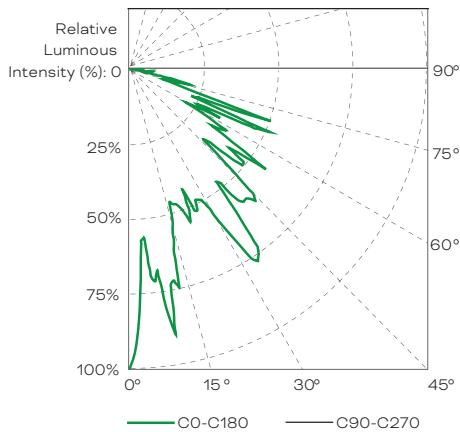


Source Specifications

Diamond View

Optics 130°

Candela Distribution



Light Output

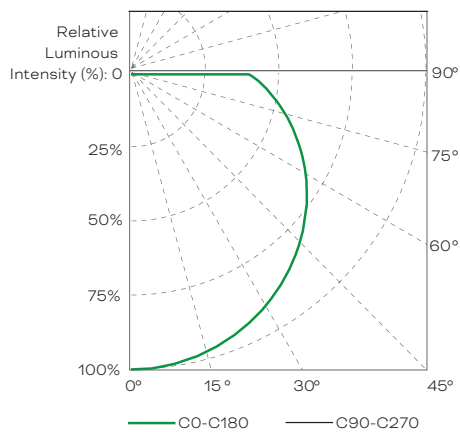
Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
RGBW (full-on)	660	55	55
DW (full-on)	1091	103.7	91

Source Specifications

Diffused View

Optics 160°

Candela Distribution



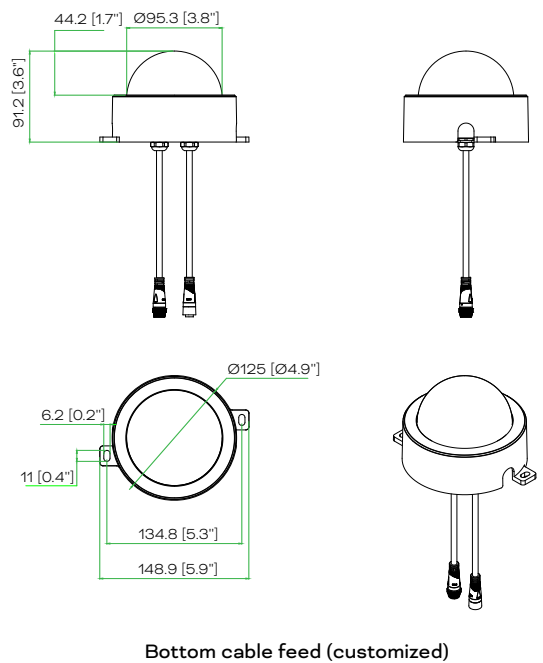
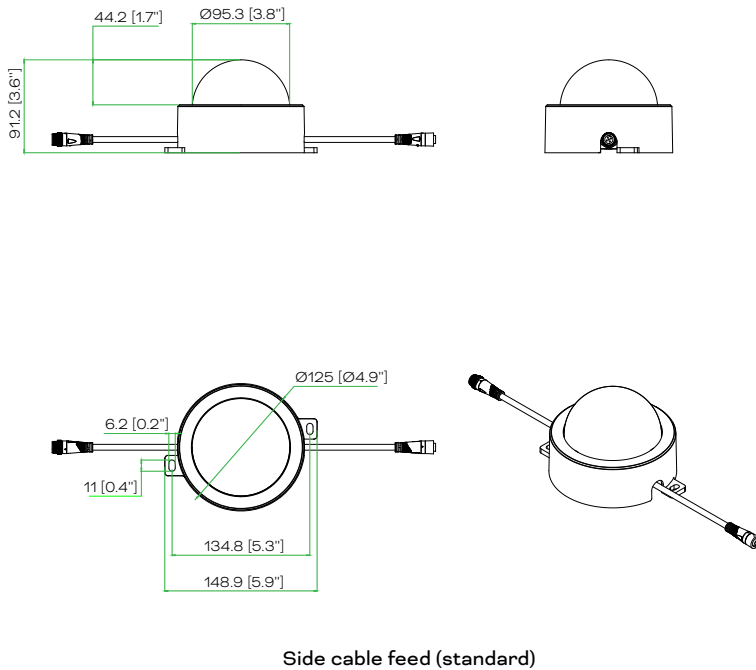
Light Output

Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
RGBW (full-on)	451	49.7	37.6
DW (full-on)	764	103.7	63.7



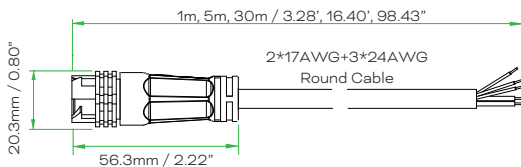
Fixture

Unit: mm

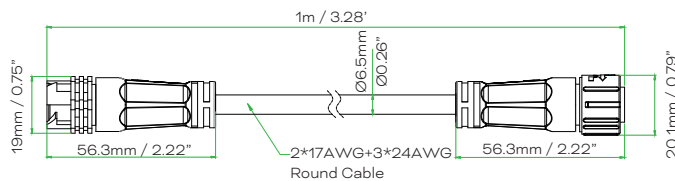


Accessories

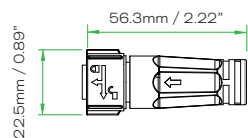
Starter Cable



Interconnection Cable

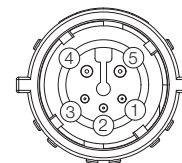


End Cap with 120 Ohm Terminator

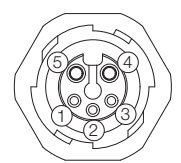


Connector Pin Assignment

Input



Output



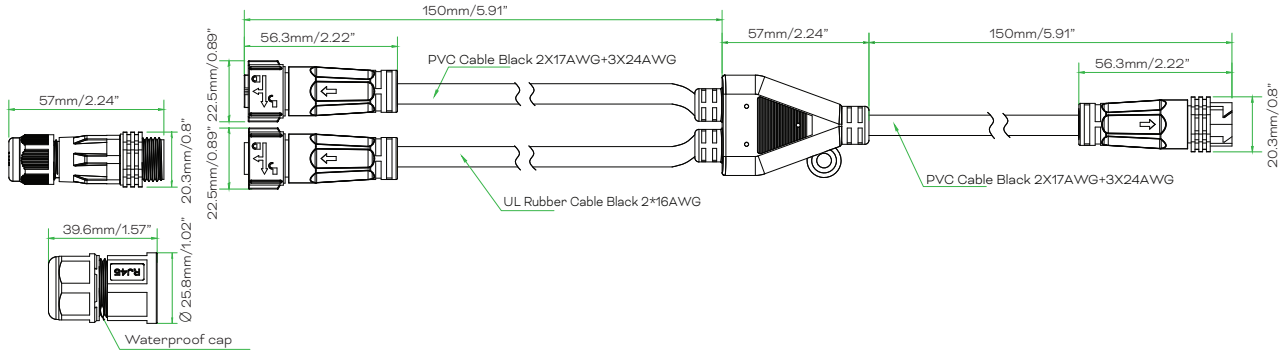
Wire#	Description	Color
1	Data+	Green
2	Address	Yellow
3	Data-	Blue
4	DC48V-	Black
5	DC48V+	Red

NOTE: Please see CAD files for additional dimensional data.

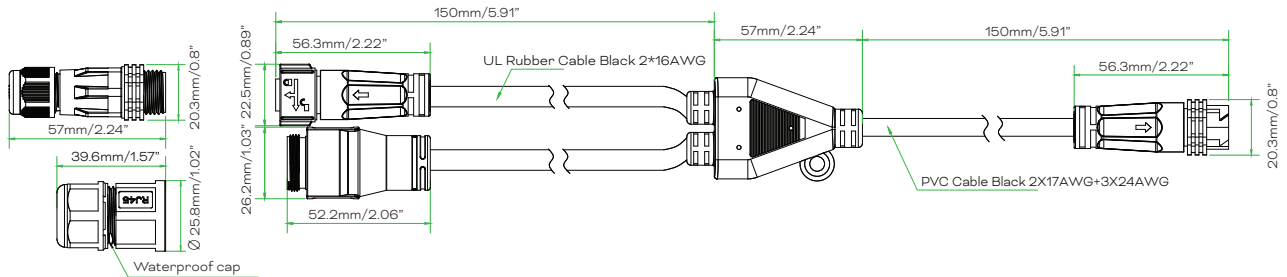


Accessories

Power Injector Cable Kit (Connector included)



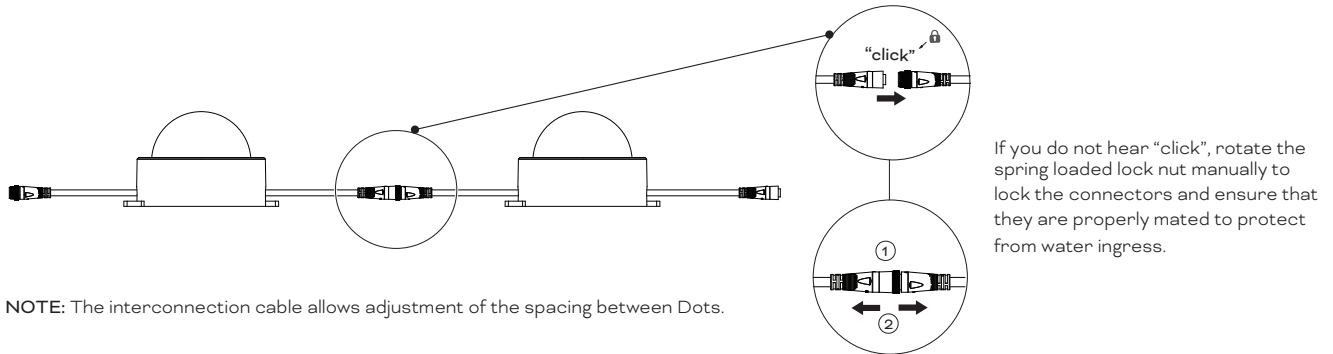
RJ45 Power Injector Cable Kit (Connector included)



NOTE: Please see CAD files for additional dimensional data.

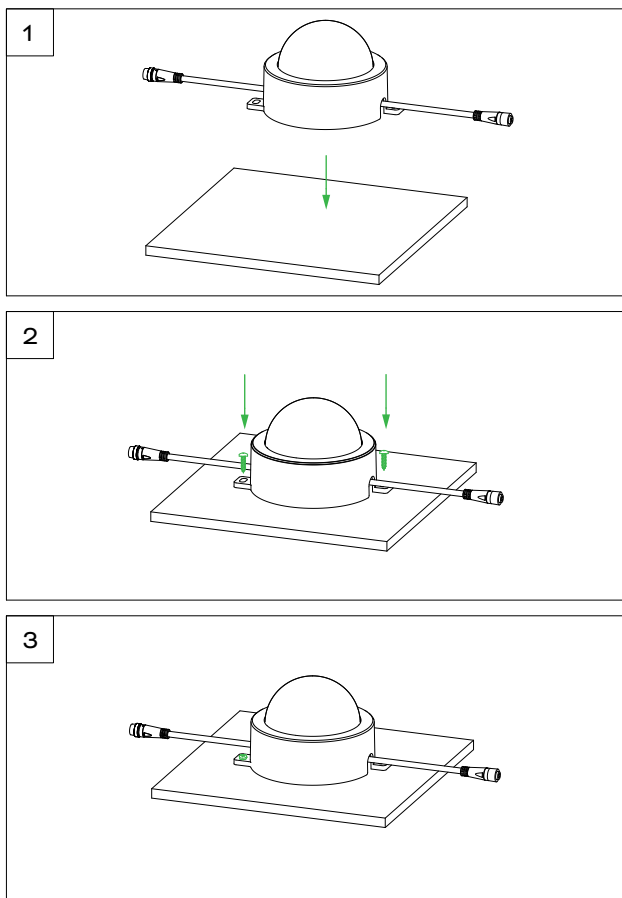


Cable Connection

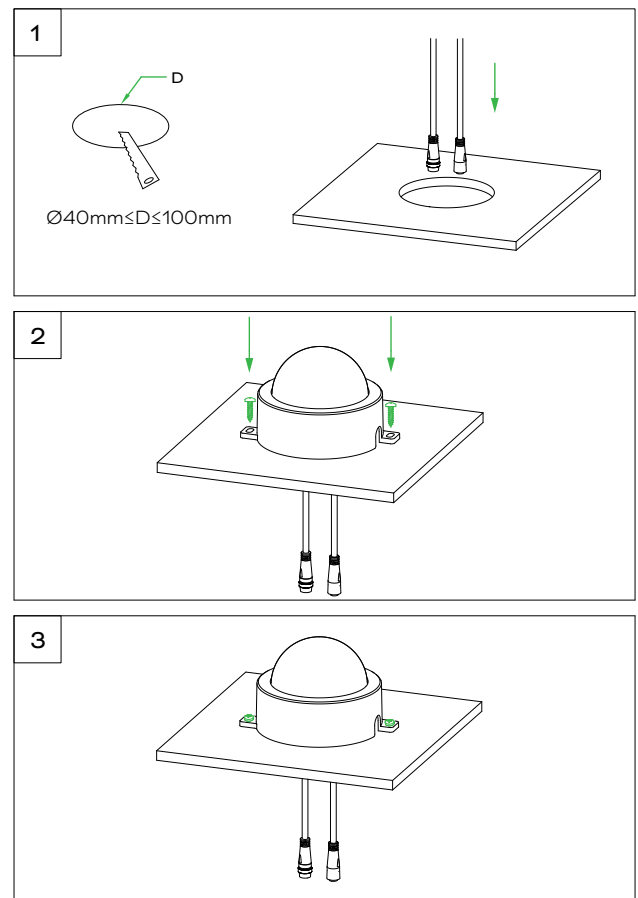


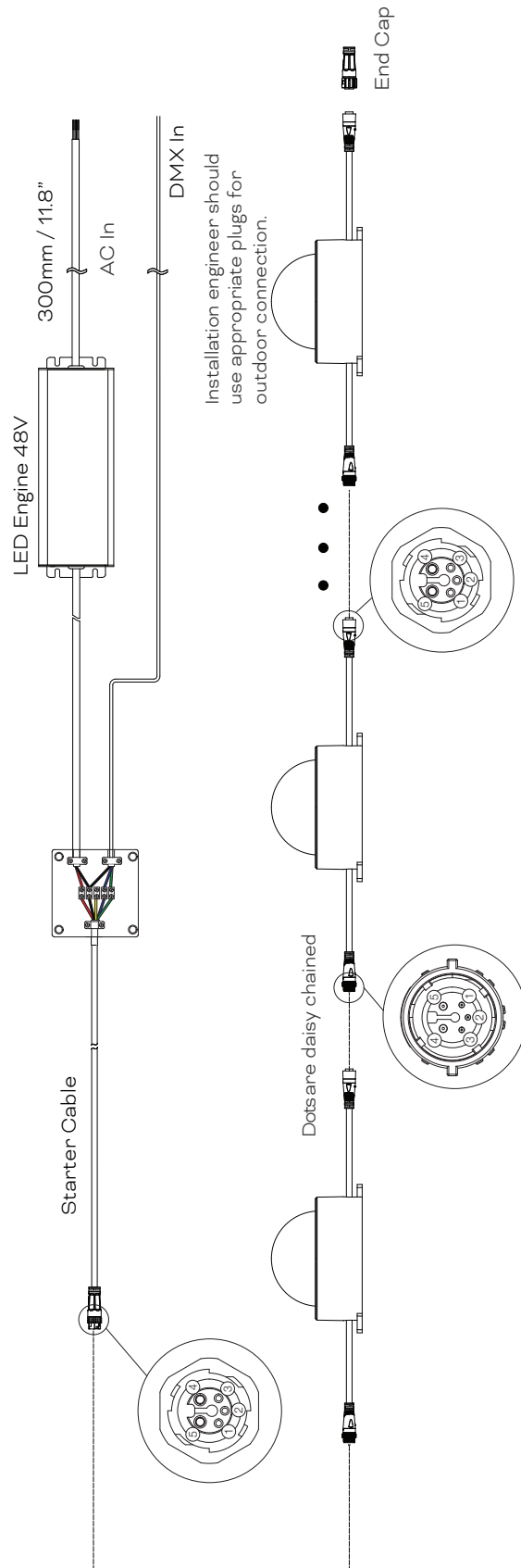
Dot Mounting

Surface Mounting



Surface Mounting (Wire Hidden)





Pin#	Signal	Color	Connection
5	DC48V+	Red	DC48V+
4	DC48V-	Black	DC48V- and GND
1	DMX+	Green	DMX+
3	DMX-	Blue	DMX-
2	Address	Yellow	Do not connect

The Address wire only need to be connected during address configuration, it is not needed during operation.
This wiring diagram shows only typical connections. Actual wiring depends on Dots configuration and installation. Actual no. vary according to cable lengths and signal source. Please consult your local Traxon office for aid.



Fixtures

Model No.	Description	Item Code
DO.PG.1130100	PIXEL DOT GO 12W RGBW65 DIAMOND GRAY	DL26104865055
DO.PG.1230100	PIXEL DOT GO 12W RGBW65 DIFFUSED DOME GRAY	DL26104865155
DO.PG.C130100	PIXEL DOT GO 12W RGBW40 DIAMOND GRAY	DL26104865255
DO.PG.C230100	PIXEL DOT GO 12W RGBW40 DIFFUSED DOME GRAY	DL26104865355
DO.PG.3130100	PIXEL DOT GO 12W DW DIAMOND GRAY	DL26104865455
DO.PG.3230100	PIXEL DOT GO 12W DW DIFFUSED DOME GRAY	DL26104865555
DO.PG.2130100	PIXEL DOT GO 9W RGB DIAMOND GRAY	DL26104865655
DO.PG.2230100	PIXEL DOT GO 9W RGB DIFFUSED DOME GRAY	DL26104865755
DO.PG.5130100	PIXEL DOT GO 9W 830 DIAMOND GRAY	DL26104865855
DO.PG.5230100	PIXEL DOT GO 9W 830 DIFFUSED DOME GRAY	DL26104865955
DO.PG.6130100	PIXEL DOT GO 9W 840 DIAMOND GRAY	DL26104866055
DO.PG.6230100	PIXEL DOT GO 9W 840 DIFFUSED DOME GRAY	DL26104866155

TX Connect

Model No.	Description	Item Code
N/A	MT PLUS/GO STARTER CABLE 5-WIRE 1M ROUND	AM477770055
N/A	MT PLUS/GO STARTER CABLE 5-WIRE 5M ROUND	AM477780055
N/A	MT PLUS/GO STARTER CABLE 5-WIRE 30M ROUND	AM477790055
N/A	MT PLUS/GO END CAP WITH 120Ω TERMINATOR	AM477800055
N/A	MT PLUS INTER CABLE 5-WIRE 1M ROUND	DA24202306355
N/A	MT PLUS/GO RJ45 / POWER INJECTOR CABLE KIT	AM477840055
N/A	MT PLUS POWER INJECTOR CABLE KIT	AM477850055

TX Power Supply

Model No.	Description	Item Code
N/A	LED ENGINE 100W 48V OUTDOOR	AM338910055
N/A	LED ENGINE 240W 48V OUTDOOR	AM089330055
N/A	LED ENGINE 320W 48V OUTDOOR	AM088070055
N/A	LED ENGINE 480W 48V OUTDOOR	AM329560055

