

LINEAR SYSTEM

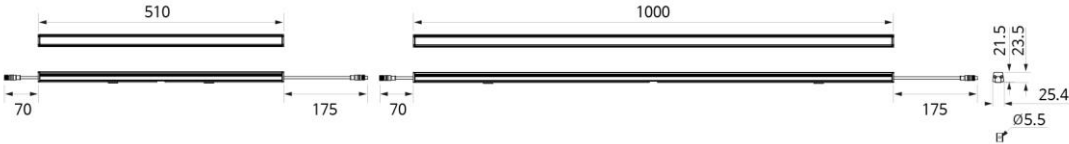
PENCIL

Version 02

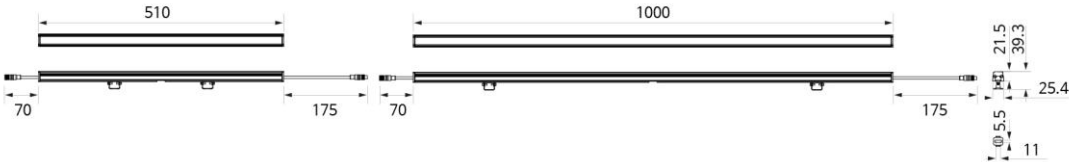
Pencil is a compact LED linear system that is utilized in diverse applications that require linear light effects.



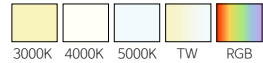
Mounting Clip Type



Adjustable Bracket Type



Technical Data

Color temperature(K)		4W	8W	12W	8W	16W	24W
		High-performance LED					
Cover		Luminaire luminous flux (based on 3000K, Clear)					
		Luminaire efficacy					
Protection class		PCB increment					
Controls		Color temperature					
		Bin/Step					
		CRI					
		Tilt/Rotation					
Physical	Housing material	Extruded aluminum					
	Cover material	Silicone potted, Clear polycarbonate or Diffused polycarbonate					
	Gasket material	Silicone gasket					
	Mounting method	Clip or Adjustable bracket					
	Finish	Shot Blast + Silver Anodized					

Physical	Size	Clip: 510(W) x 23.5(H) x 25.4(D) Adjustable bracket: 510(W) x 39.3(H) x 25.4(D)			Clip: 1000(W) x 23.5(H) x 25.4(D) Adjustable bracket: 1000(W) x 39.3(H) x 25.4(D)		
	Weight	0.3 kg			0.5 kg		
Electrical & Control	Power consumption	4W	8W	12W	8W	16W	24W
	Input voltage	24Vdc					
	Control	On/Off Switchable or DMX or DALI control available					
	Power supply	Remote driver					
Environmental	Operating temperature	-30°C to 50°C					
	Storage temperature	-40°C to 70°C					
	Ingress protection rating	IP66					

Product features

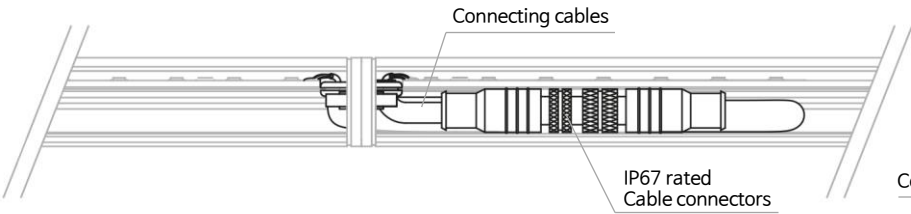
Non-exposed Connector and Cables

IP67 rated cable connectors and connecting cables are totally concealed in the body..

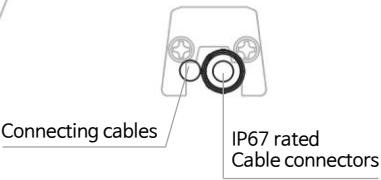
Light connectivity

Pencil is specially designed to create the continuous linear light effects when a number of luminaires are connected in series and installed close to the illuminated surfaces.

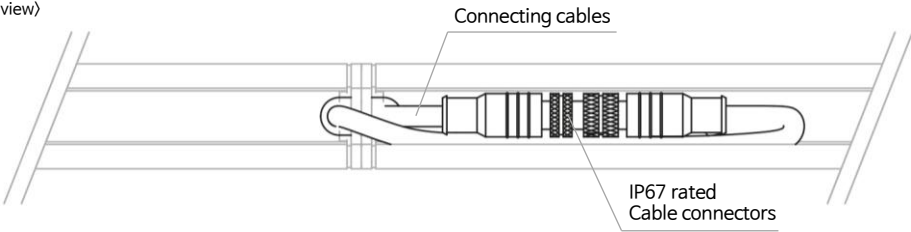
〈Front section view〉



〈Side view〉



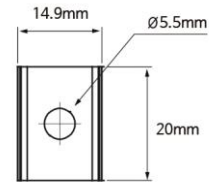
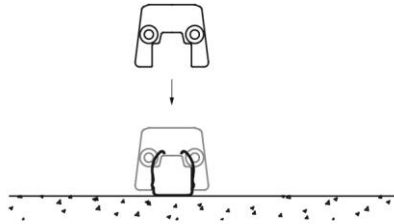
〈Bottom view〉



Mounting options

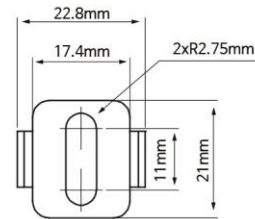
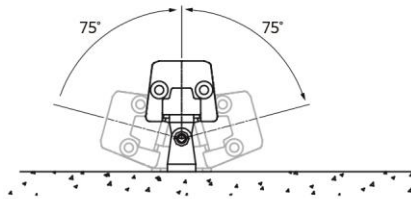
Surface mount standard

-Mounting Clip type



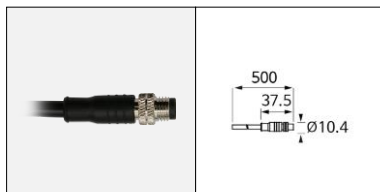
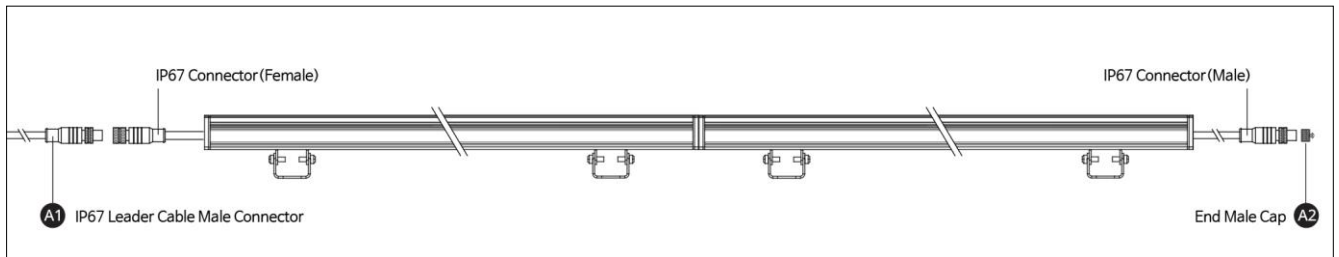
Mounting hole pattern

-Adjustable bracket type

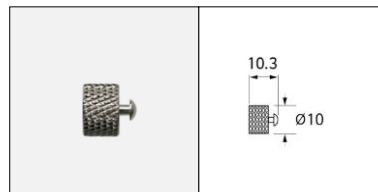


Mounting hole pattern

Accessories



- A1** IP67 Leader Cable Male Connector
CA0022
- Material: Polyurethane
- Wire : UL 2464 4x22AWG

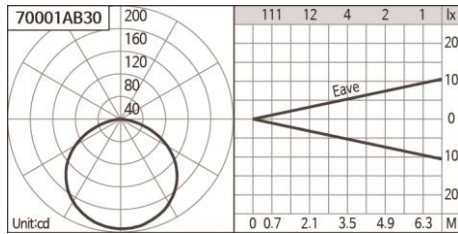


- A2** End Male Cap
CA0024
- Material: Brass nickel plated

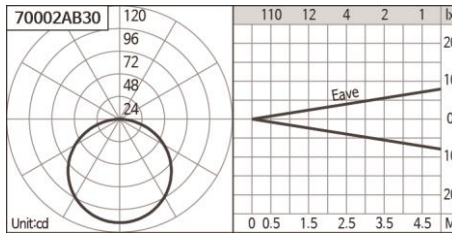
Photometric Data

Power Consumption: 4W (510mm Clip)

Clear



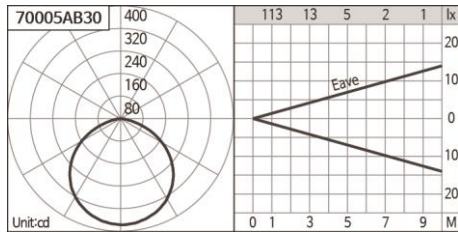
Diffuser



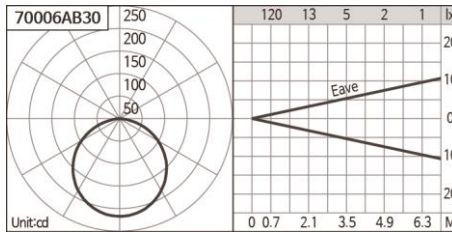
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	533	>533	>533
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	318	>318	>318

Power Consumption: 8W (510mm Clip)

Clear



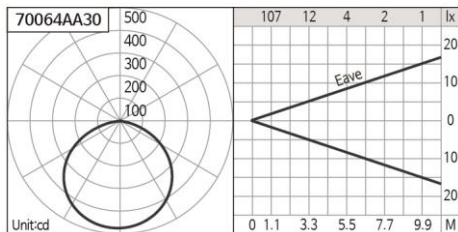
Diffuser



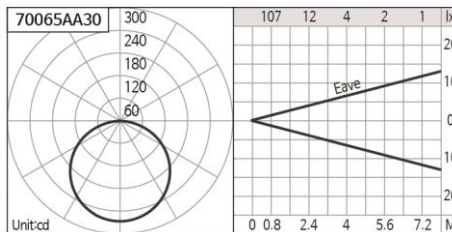
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1032	>1032	>1032
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	636	>636	>636

Power Consumption: 12W (510mm Clip)

Clear



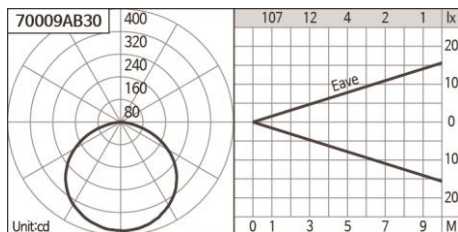
Diffuser



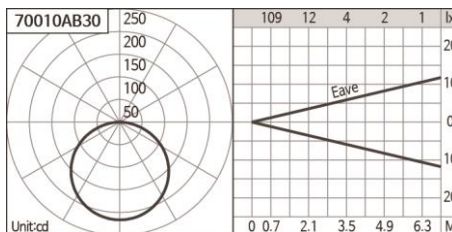
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1428	>1428	>1428
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	837	>837	>837

Power Consumption: 8W (1000mm Clip)

Clear



Diffuser



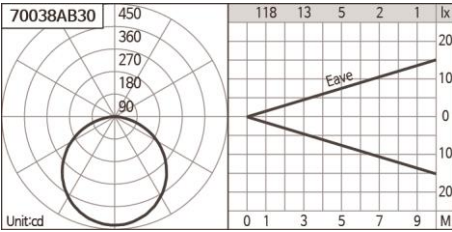
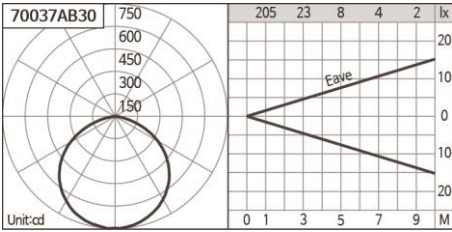
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1066	>1066	>1066
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	636	>636	>636

Photometric Data

Power Consumption: 16W(1000mm Clip)

Clear

Diffuser

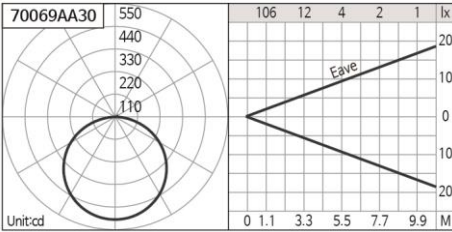
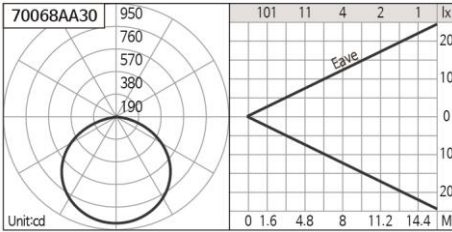


Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	2162	>2162	>2162
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1262	>1262	>1262

Power Consumption: 24W(1000mm Clip)

Clear

Diffuser

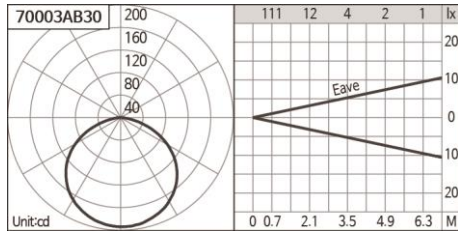


Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	2848	>2848	>2848
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1677	>1677	>1677

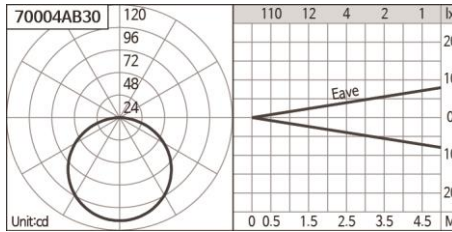
Photometric Data

Power Consumption: 4W (510mm Adjustable)

Clear



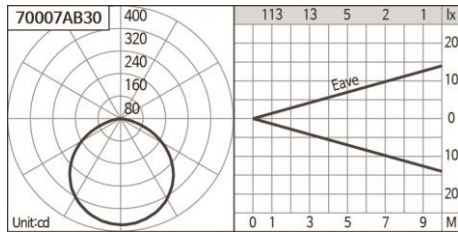
Diffuser



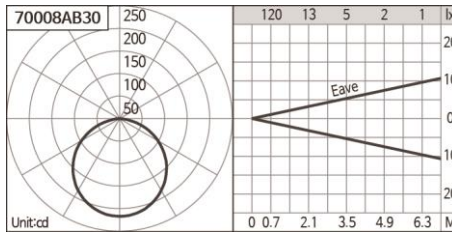
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	533	>533	>533
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	318	>318	>318

Power Consumption: 8W (510mm Adjustable)

Clear



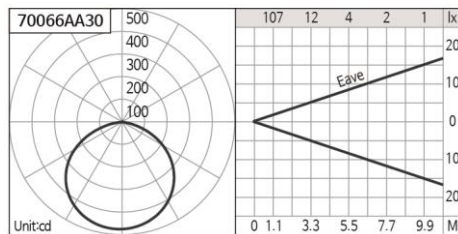
Diffuser



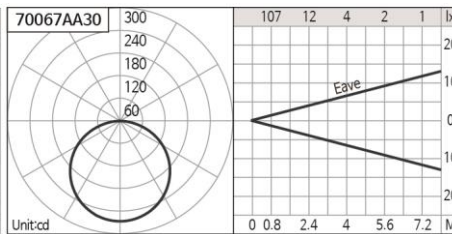
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1032	>1032	>1032
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	636	>636	>636

Power Consumption: 12W (510mm Adjustable)

Clear



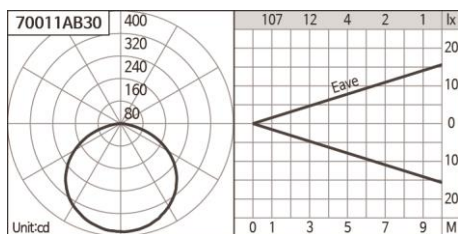
Diffuser



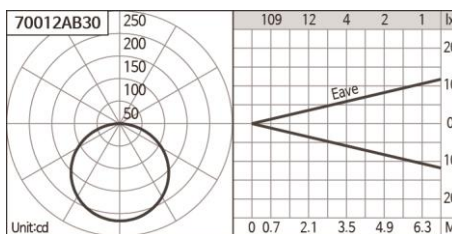
Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1428	>1428	>1428
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	837	>837	>837

Power Consumption: 8W (1000mm Adjustable)

Clear



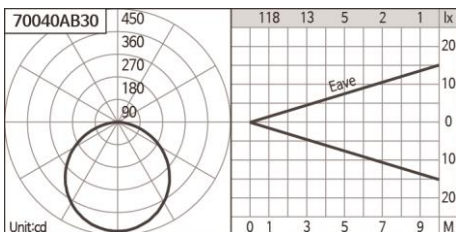
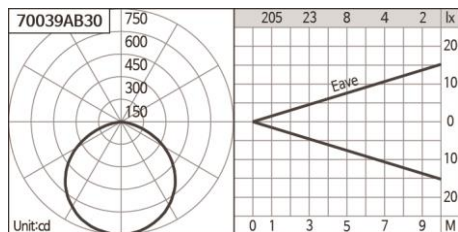
Diffuser



Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1066	>1066	>1066
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	636	>636	>636

Power Consumption: 16W(1000mm Adjustable)

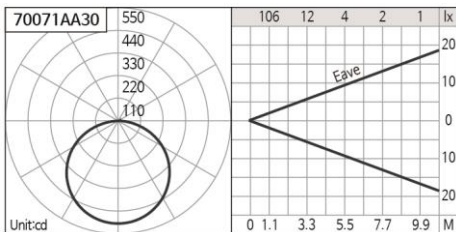
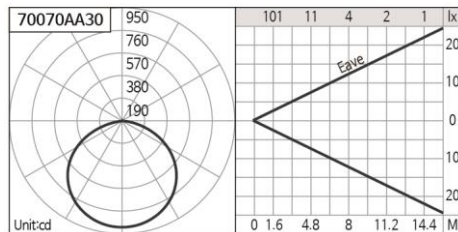
Diffuser



Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	2162	>2162	>2162
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1262	>1262	>1262

Power Consumption: 24W(1000mm Adjustable)

Diffuser



Diffuser	Clear		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	2848	>2848	>2848
Diffuser	Diffuser		
CCT (K)	3000K	4000K	5000K
Luminous Flux (lm)	1677	>1677	>1677

Ordering

Code	W		K	Diffuser	Finish	Mounting Method	Size(mm)
	4W		3000K	Clear	Silver	Clip	510 x 23.5 x 25.4
	8W		4000K	Diffused		Adjustable	1000 x 23.5 x 25.4
	12W		5000K				510 x 39.3 x 25.4
	16W		RGB				1000 x 39.3 x 25.4
	24W		Tunable White				

Code	W	lm	K	Diffuser	Finish	Mounting Method	Size(mm)
70001AB30	4W	533	3000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70001AB40	4W	>533	4000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70001AB50	4W	>533	5000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70001ABRB	4W	-	RGB	Clear	Silver	Clip	510 x 23.5 x 25.4
70001ABTW	4W	-	Tunable White	Clear	Silver	Clip	510 x 23.5 x 25.4
70002AB30	4W	318	3000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70002AB40	4W	>318	4000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70002AB50	4W	>318	5000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70002ABRB	4W	-	RGB	Diffused	Silver	Clip	510 x 23.5 x 25.4
70002ABTW	4W	-	Tunable White	Diffused	Silver	Clip	510 x 23.5 x 25.4
70005AB30	8W	1032	3000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70005AB40	8W	>1032	4000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70005AB50	8W	>1032	5000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70005ABRB	8W	-	RGB	Clear	Silver	Clip	510 x 23.5 x 25.4
70005ABTW	8W	-	Tunable White	Clear	Silver	Clip	510 x 23.5 x 25.4
70006AB30	8W	636	3000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70006AB40	8W	>636	4000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70006AB50	8W	>636	5000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70006ABRB	8W	-	RGB	Diffused	Silver	Clip	510 x 23.5 x 25.4
70006ABTW	8W	-	Tunable White	Diffused	Silver	Clip	510 x 23.5 x 25.4
70064AB30	12W	1428	3000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70064AB40	12W	>1428	4000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70064AB50	12W	>1428	5000K	Clear	Silver	Clip	510 x 23.5 x 25.4
70065AB30	12W	837	3000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70065AB40	12W	>837	4000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70065AB50	12W	>837	5000K	Diffused	Silver	Clip	510 x 23.5 x 25.4
70009AB30	8W	1066	3000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70009AB40	8W	>1066	4000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70009AB50	8W	>1066	5000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70009ABRB	8W	-	RGB	Clear	Silver	Clip	1000 x 23.5 x 25.4
70009ABTW	8W	-	Tunable White	Clear	Silver	Clip	1000 x 23.5 x 25.4
70010AB30	8W	636	3000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70010AB40	8W	>636	4000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4

Code	W	lm	K	Diffuser	Finish	Mounting Method	Size(mm)
70010AB50	8W	>636	5000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70010ABRB	8W	-	RGB	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70010ABTW	8W	-	Tunable White	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70037AB30	16W	2162	3000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70037AB40	16W	>2162	4000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70037AB50	16W	2162	5000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70037ABRB	16W	-	RGB	Clear	Silver	Clip	1000 x 23.5 x 25.4
70037ABTW	16W	-	Tunable White	Clear	Silver	Clip	1000 x 23.5 x 25.4
70038AB30	16W	1262	3000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70038AB40	16W	>1262	4000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70038AB50	16W	>1262	5000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70038ABRB	16W	-	RGB	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70038ABTW	16W	-	Tunable White	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70068AB30	24W	2848	3000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70068AB40	24W	>2848	4000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70068AB50	24W	>2848	5000K	Clear	Silver	Clip	1000 x 23.5 x 25.4
70069AB30	24W	1677	3000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70069AB40	24W	>1677	4000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70069AB50	24W	>1677	5000K	Diffused	Silver	Clip	1000 x 23.5 x 25.4
70003AB30	4W	533	3000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70003AB40	4W	>533	4000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70003AB50	4W	>533	5000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70003ABRB	4W	-	RGB	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70003ABTW	4W	-	Tunable White	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70004AB30	4W	318	3000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70004AB40	4W	>318	4000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70004AB50	4W	>318	5000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70004ABRB	4W	-	RGB	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70004ABTW	4W	-	Tunable White	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70007AB30	8W	1032	3000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70007AB40	8W	>1032	4000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70007AB50	8W	>1032	5000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70007ABRB	8W	-	RGB	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70007ABTW	8W	-	Tunable White	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70008AB30	8W	636	3000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70008AB40	8W	>636	4000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70008AB50	8W	>636	5000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70008ABRB	8W	-	RGB	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70008ABTW	8W	-	Tunable White	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70066AB30	12W	1428	3000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70066AB40	12W	>1428	4000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70066AB50	12W	>1428	5000K	Clear	Silver	Adjustable	510 x 39.3 x 25.4
70067AB30	12W	837	3000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70067AB40	12W	>837	4000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4

Code	W	lm	K	Diffuser	Finish	Mounting Method	Size(mm)
70067AB50	12W	>837	5000K	Diffused	Silver	Adjustable	510 x 39.3 x 25.4
70011AB30	8W	1066	3000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70011AB40	8W	>1066	4000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70011AB50	8W	>1066	5000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70011ABRB	8W	-	RGB	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70011ABTW	8W	-	Tunable White	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70012AB30	8W	636	3000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70012AB40	8W	>636	4000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70012AB50	8W	>636	5000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70012ABRB	8W	-	RGB	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70012ABTW	8W	-	Tunable White	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70039AB30	16W	2162	3000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70039AB40	16W	>2162	4000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70039AB50	16W	2162	5000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70039ABRB	16W	-	RGB	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70039ABTW	16W	-	Tunable White	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70040AB30	16W	1262	3000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70040AB40	16W	>1262	4000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70040AB50	16W	>1262	5000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70040ABRB	16W	-	RGB	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70040ABTW	16W	-	Tunable White	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70070AB30	24W	2848	3000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70070AB40	24W	>2848	4000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70070AB50	24W	>2848	5000K	Clear	Silver	Adjustable	1000 x 39.3 x 25.4
70071AB30	24W	1677	3000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70071AB40	24W	>1677	4000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4
70071AB50	24W	>1677	5000K	Diffused	Silver	Adjustable	1000 x 39.3 x 25.4