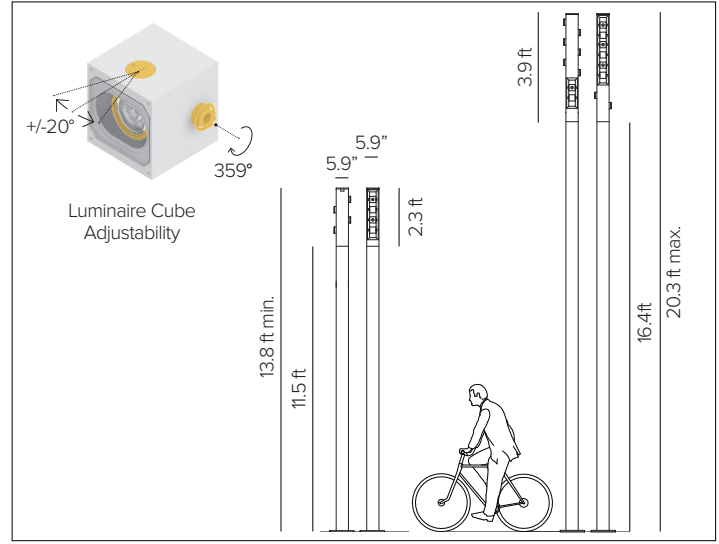


LUCERA™

Multi-head Event Pole with Professional Adjustable Floodlight Projectors



CONCEPT

Small footprint event pole with professional multi head adjustable LED floodlight projectors.

FIXTURE MECHANICAL CHARACTERISTICS

Housing	3.0" x 3.0" luminaire cube.
Materials	Die-cast aluminum powder coated body and joints for maximum heat dissipation.
Finish	Textured finish. ● Ferrite Dark Grey ● Black ● White ● Bronze ● Sandstone Grey ● Heritage Brown ^B Custom RAL
Power Connection	IP67 low voltage quick disconnect.
Functionality	Adjustable up to +/-359° on the vertical plane and +/-20° on the horizontal plane with aim locking set screw.
Protection	IP66
Resistance	IK09

POLE MECHANICAL CHARACTERISTICS

Materials	Extruded aluminum with architecturally defined corners.
Finish	Textured finish. ● Ferrite Dark Grey ● Black ● White ● Bronze ● Sandstone Grey ● Heritage Brown ^B Custom RAL ● ^B Custom Faux Wood ^B Consult factory for custom finish options.
Dimensions	5.9" x 5.9"
Power Connection	Integral power connection box(s).
Foundation	39.4" x 39.4" x 39.4"H
Anchor Bolts	(4pcs) 3/4" x 30" x 3" J-Bolts included
Thickness	0.16" to 0.25"
MPH	11.5ft H: 140mph / 16ft H: 125mph

WARRANTY

5 year limited warranty

ELECTRICAL CHARACTERISTICS

Driver	Integral 0-10V driver for static white versions. Integral DMX 512 driver for dynamic RGBW and Tunable White versions.
Wattage	Per luminaire cube: 11W static white / 8.4W RGBW 4Ch / 6.7W TW 2Ch. Note: for RGBW each luminaire is controlled individually; for TW, 2ea luminaires are controlled together.
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

LED Chip on Board for static white versions. LED array for RGBW and TW versions.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	81	80	97	2
	3000K	82	82	97	2
	3500K	82	81	97	2
	4000K	82	81	97	2
	TW 2700K-5000K	81	81	97	2
	RGBW 6500K	-	-	-	-

Ra90 available upon request

OPTIC

Equipped with collimating optic with angle specific holographic lens.

Beam	SP 17°	NFL 28°	FL 37°	MWFL 47°	
Delivered Lumens	4000K	1,045Lm	1,004Lm	970Lm	935Lm
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5S
	6,404Lm	5,612Lm	5,823Lm	6,055Lm	6,122Lm

Refer to photometry section for all fixture variations.

Efficacy	87Lm/W max. Refer to photometric graphs for specific values.
Lifetime	Static White: L92/B10 30000h at max TA +25°C / L90/B10 50000h at max TA +25°C / L86/B10 80000h at max +25°C / L84/B10 100000h at max +25°C RGBW & TW: L80/B10 60000h at max TA +25°C

CERTIFICATIONS

cULus Wet Location Listed E488257.
 Tested in accordance with LM-79-08
 RoHS3 EU 215/863

LUCERA™

SPECIFICATION INFORMATION



Ex: LUCA1L1FL30FE / 1US002Z

1 - PRODUCT CODE	2 - HEAD STYLE	3 - WATTAGE	4 - OPTIC	5 - KELVIN	6 - FINISH
LUC — LUCERA™	A0 — 2+2 Adjustable Heads	L1 — 50W	SP — SP 15°	27 — 2700K	FE — Ferrite Dark Grey
	A1 — 4 Adjustable Heads		NF — NFL 29°		HB — Heritage Brown
	A2 — 2+4 Adjustable Heads	L2 — 75W	FL — FL 36°	30 — 3000K	BZ — Bronze
	A3 — 6 Adjustable Heads		MW — MWFL 44°		35 — 3500K
	A4 — 8 Adjustable Heads	L3 — 96W		40 — 4000K	BT — Black
	A5 — 2+6 Adjustable Heads				SG — Sandstone Grey
A6 — 4+4 Adjustable Heads				RAL — Custom RAL	
LUC — LUCERA™	A0 — 2+2 Adjustable Heads	L4 — 34W	SP — SP 15°	DY — Dynamic RGBW	FE — Ferrite Dark Grey
	A1 — 4 Adjustable Heads		NF — NFL 29°		HB — Heritage Brown
	A2 — 2+4 Adjustable Heads	L5 — 51W	FL — FL 36°		BZ — Bronze
	A3 — 6 Adjustable Heads		MW — MWFL 44°		WT — White
	A4 — 8 Adjustable Heads	L6 — 68W			BT — Black
	A5 — 2+6 Adjustable Heads				SG — Sandstone Grey
A6 — 4+4 Adjustable Heads			RAL — Custom RAL		
LUC — LUCERA™	A0 — 2+2 Adjustable Heads	L7 — 27W	SP — SP 15°	TW — Tunable White	FE — Ferrite Dark Grey
	A1 — 4 Adjustable Heads		NF — NFL 29°		HB — Heritage Brown
	A2 — 2+4 Adjustable Heads	L8 — 41W	FL — FL 36°		BZ — Bronze
	A3 — 6 Adjustable Heads		MW — MWFL 44°		WT — White
	A4 — 8 Adjustable Heads	L9 — 54W			BT — Black
	A5 — 2+6 Adjustable Heads				SG — Sandstone Grey
A6 — 4+4 Adjustable Heads			RAL — Custom RAL		
LUC — LUCERA™ <i>*All heads used to create type distribution*</i>	F1 — 2+6 Fixed Heads	L3 — 96W	T1 — Type I	27 — 2700K	FE — Ferrite Dark Grey
			T2 — Type II		30 — 3000K
			T3 — Type III	35 — 3500K	BZ — Bronze
			T4 — Type IV	40 — 4000K	WT — White
			T5 — Type VS		BT — Black
	F2 — 4+4 Fixed Heads				SG — Sandstone Grey
					RAL — Custom RAL
7 - OPTIONAL	8 - POLE	9 - MOUNTING	10 - POLE ACCESSORIES	11 - OPTICAL ACCESSORIES	
MG [^] — Marine Grade	11.5ft Pole <i>See section for details</i> 16.4ft Pole <i>See section for details</i>	Anchor Kit <i>See section for details</i>	Base Cover <i>See section for details</i> Motion Sensor <i>See section for details</i> PhotoCell <i>See section for details</i> Camera <i>See section for details</i> Speaker <i>See section for details</i> Banner Arms <i>See section for details</i>	Filter Holder Ring <i>See section for details</i> Blade Light Linear Spread Lens <i>See section for details</i> Anti-glare Louver <i>See section for details</i> Asymmetric Snoot <i>See section for details</i> Symmetric Snoot <i>See section for details</i>	

Consult factory for custom configurations.

[^] Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cathaphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

LUCERA™

HEAD VERSIONS

ADJUSTABLE

4 HEAD
Weight: 28Lbs



2+2 HEAD
Weight: 31Lbs



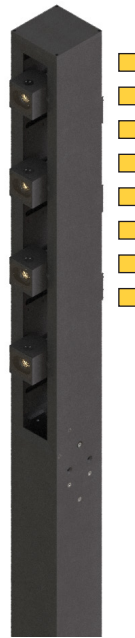
6 HEAD
Weight: 37Lbs



2+4 HEAD
Weight: 40Lbs



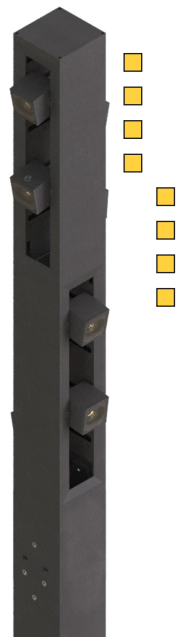
8 HEAD
Weight: 46lbs



2+6 HEAD
Weight: 49Lbs

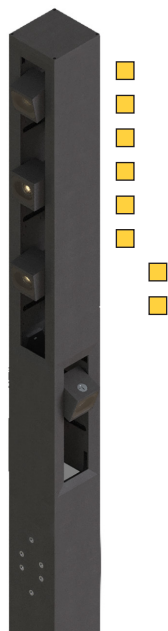


4+4 HEAD
Weight: 49Lbs

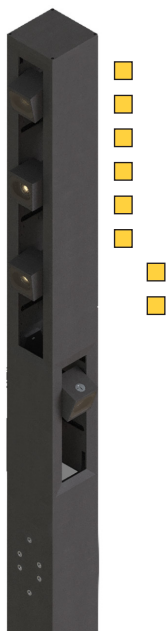


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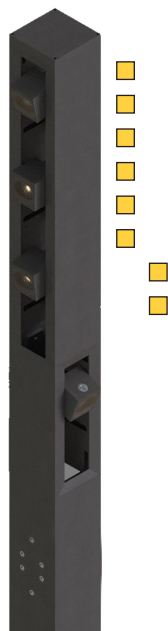
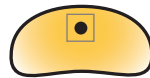
TYPE I
2+6 HEAD STYLE ONLY
Weight: 49Lbs



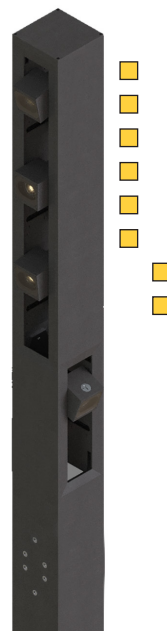
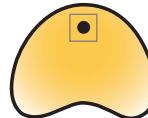
TYPE II
2+6 HEAD STYLE ONLY
Weight: 49Lbs



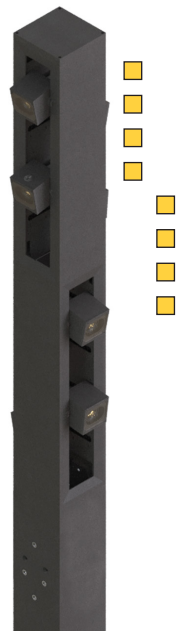
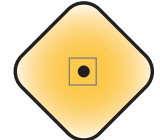
TYPE III
2+6 HEAD STYLE ONLY
Weight: 49Lbs



TYPE IV
2+6 HEAD STYLE ONLY
Weight: 49Lbs

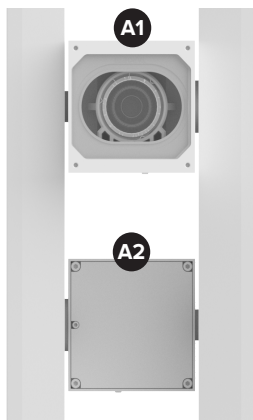
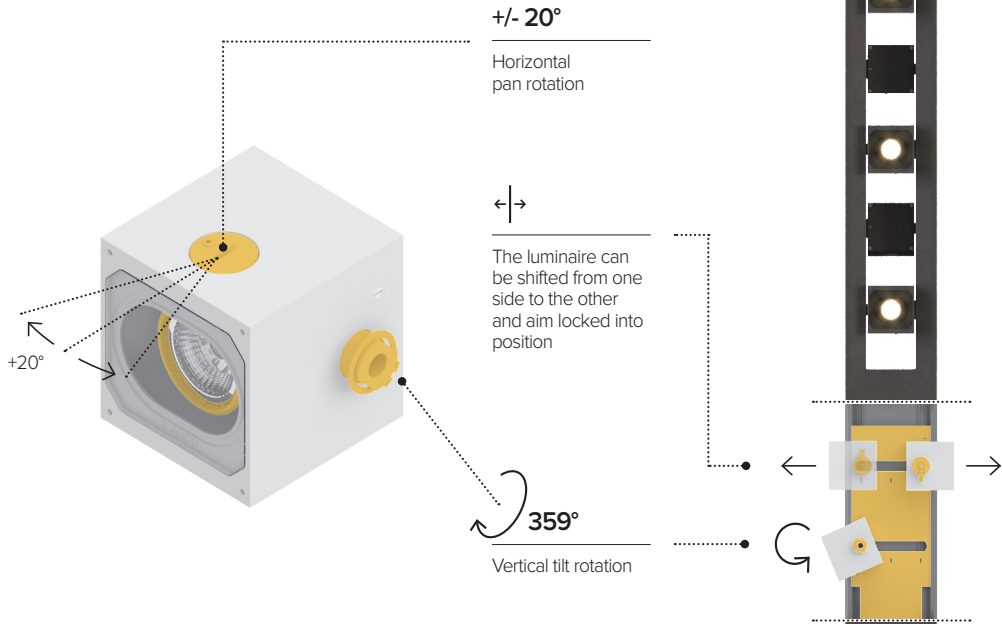


TYPE V
4+4 HEAD STYLE ONLY
Weight: 49Lbs



LUCERA™

LUMINAIRE FLEXIBILITY



A1 – A2

The luminaire assembly is equipped with pairs of projectors available in 4 different beam optics.



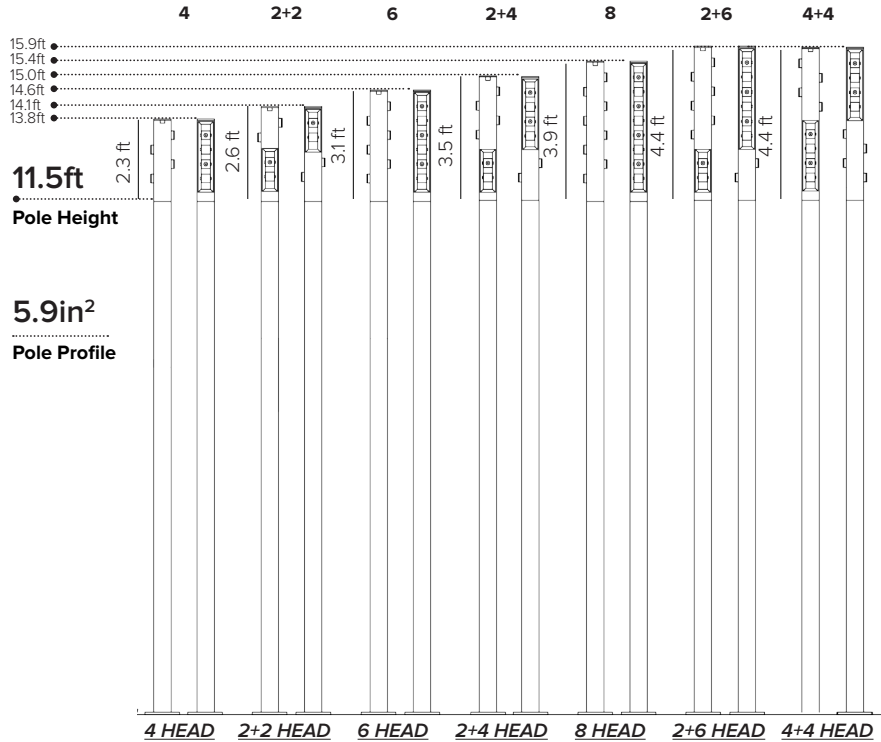
LUCERA™

8 – POLE (REQUIRED)

11.5ft square powder coated aluminum pole.
 5.9in x 5.9in profile with integral hatch door for utility power. **An additional 6”H is applied to the overall pole height when used with 1USCLR06 pole accessory collar.**

Weight: 58lbs

Part No. **1US002Z (*)**



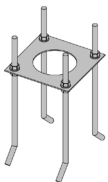
16.4ft square powder coated aluminum pole.
 5.9in x 5.9in profile with integral hatch door for utility power. **An additional 6”H is applied to the overall pole height when used with 1USCLR06 pole accessory collar.**

Weight: 82lbs

Part No. **1US002Y (*)**

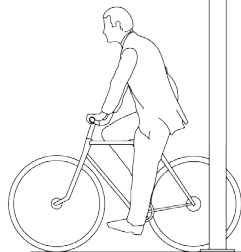


9 – MOUNTING (REQUIRED)



Pole anchor kit. 4ea 3/4”x 24” ‘J’ anchor bolts, 8ea hex nuts and washers, 1ea template. **(REQUIRED per pole)**

Part No. **1USE001A**



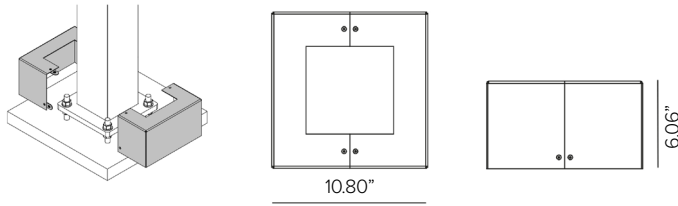
- Ferrite Dark Grey (Default)
- Heritage Brown (HB)*
- Bronze (BZ)*
- White (WT)*
- Black (BT)*
- Sandstone Grey (SG)*

*Add suffix to end of number to identify finish (EX. 1US002ZHB)

LUCERA™

10 – POLE ACCESSORIES (OPTIONAL)

CONSULT FACTORY FOR COLLAR RELATED ACCESSORIES AND MOUNTING CONFIGURATIONS.



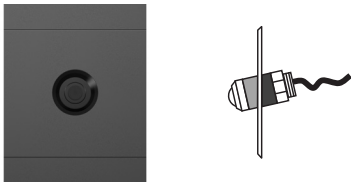
Decorative aluminum pole base cover.

Part No. **A010A (*)**



BannerSaver™ break away banner arms with mounting hardware and stainless steel mounting band, black finish. Sold in sets of two 12”L arms. **Consult factory for additional lengths. Banner not included.**

Part No. **CONSULT FACTORY**



Integral angled IP67 wall plate camera. Analog 1080p 4-in-1 (HD / TVI / CVI / AHD) 155° viewing angle with 2.9mm lens. Equipped with Sony STARVIS that provides high quality color saturation when recording at night. **Required to be used with 1USCLR06 Accessory Collar.**

Part No. **1USCAM01**



Integral 2-in-1 motion sensor and photo cell. 270° motion, 70ft range with dusk to dawn setting. **Required to be used with 1USCLR06 Accessory Collar.**

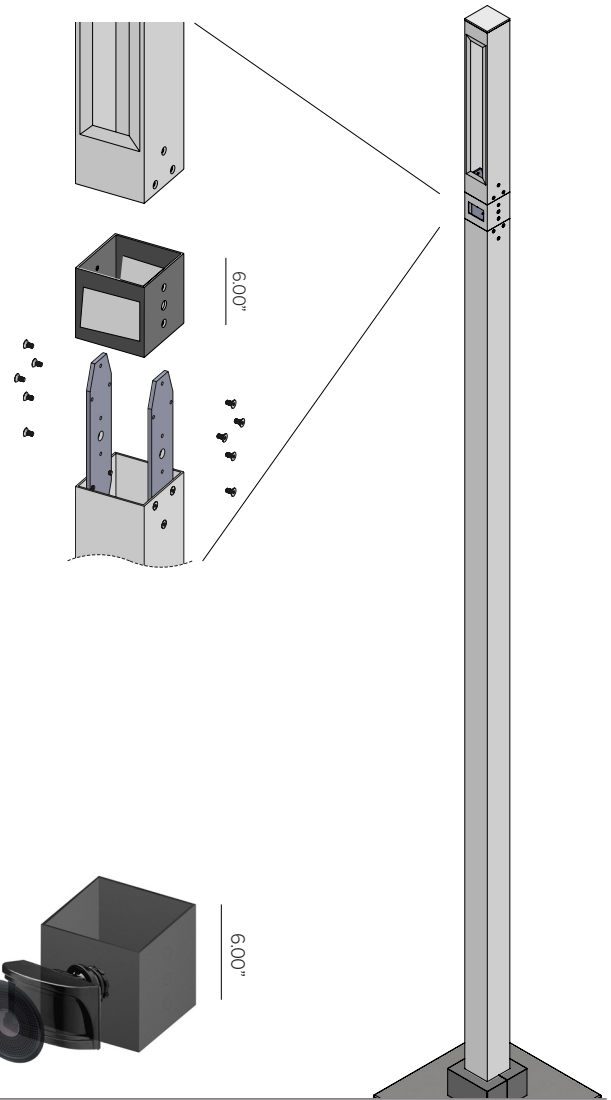
Finish Black White

Part No. **1USSNS01BK** **1USSNS01WH**



Fusion® XS coaxial speaker. IP65 marine grade aluminum dome, 120W . **Required to be used with 1USCLR06 Accessory Collar.**

Part No. **CONSULT FACTORY**



Accessory collar: 6”H pole integrated aluminum, 2pc steel mounting brackets included. Required for mounting specified accessories as noted. *Weight: 11lbs*

Part No. **1USCLR06 (*)**

- Ferrite Dark Grey (Default)
- Heritage Brown (HB)*
- Bronze (BZ)*
- White (WT)*
- Black (BT)*
- Sandstone Grey (SG)*

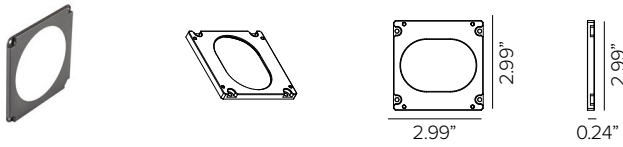
***Add suffix to end of number to identify finish (EX. 1E3741HB)**

LUCERA™

11 – OPTICAL ACCESSORIES (OPTIONAL)

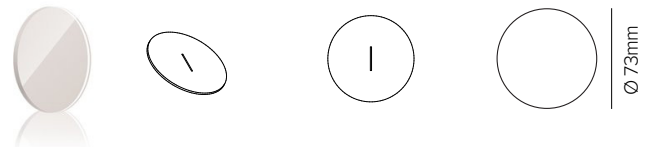
MAXIMUM OF TWO ACCESSORIES PER LUMINAIRE CUBE.

ACCESSORIES AVAILABLE AS INDIVIDUAL ITEMS, NOTATE QUANTITY OF DESIRED ACCESSORIES PER POLE.



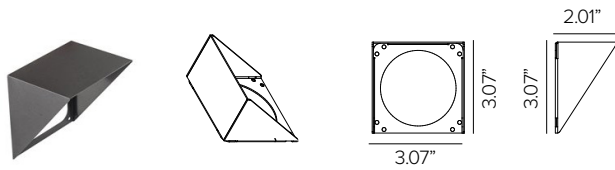
Filter holder ring. CNC machined anodized and powder coated aluminum. **Required for use of all filters.**

Part No. **A011D (*)**



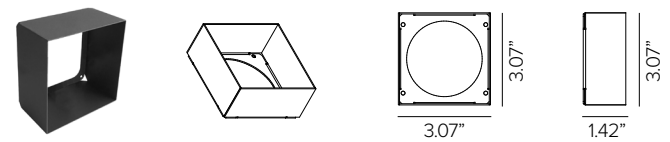
'Blade of Light' linear spread lens. PMMA holographic filter. **To be completed with A011D dedicated holder ring. Does not apply toward maximum accessory count.**

Part No. **A011E**



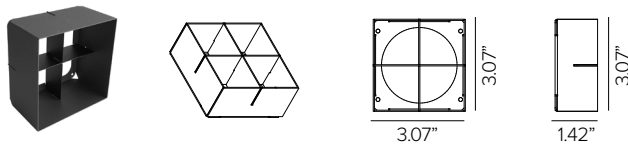
Asymmetric snoot. Powder coated stainless steel. **Not compatible with A011A and A011B.**

Part No. **A011C (*)**



Symmetric snoot. Powder coated stainless steel. **Not compatible with A011B and A011C.**

Part No. **A011A (*)**



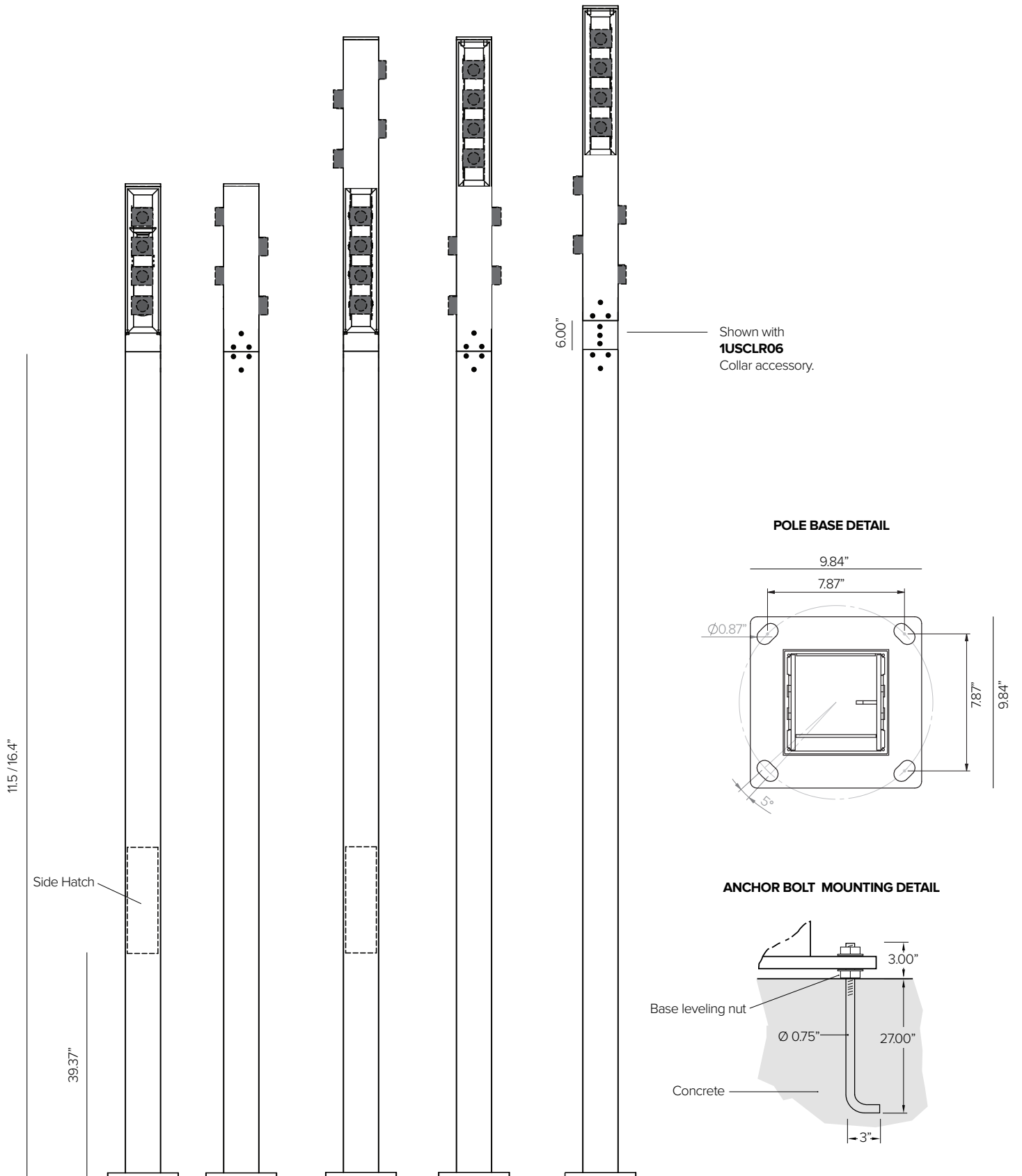
Anti glare louver with removable baffles for different levels of glare control. Powder coat stainless steel. **Not compatible with A011A and A011C.**

Part No. **A011B (*)**

- Ferrite Dark Grey (Default)
- Heritage Brown (HB)*
- Bronze (BZ)*
- White (WT)*
- Black (BT)*
- Sandstone Grey (SG)*

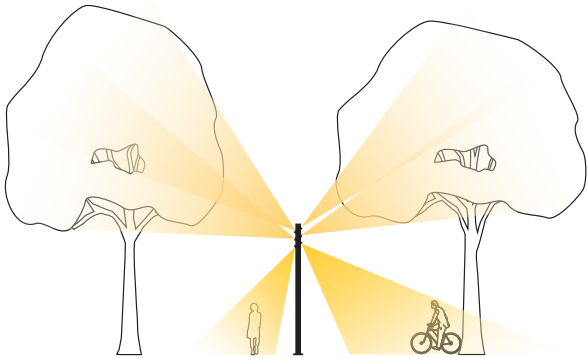
*Add suffix to end of number to identify finish (EX. 1E3741HB)

POLE DIAGRAM

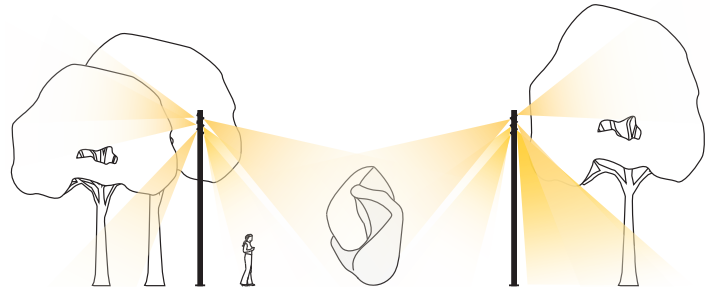


LUCERA™

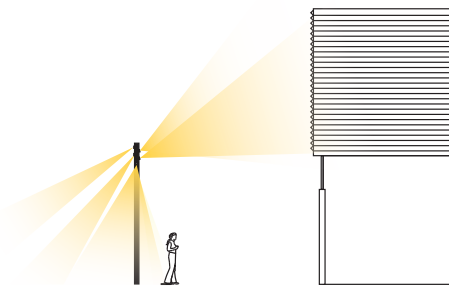
INSTALLATION EXAMPLES



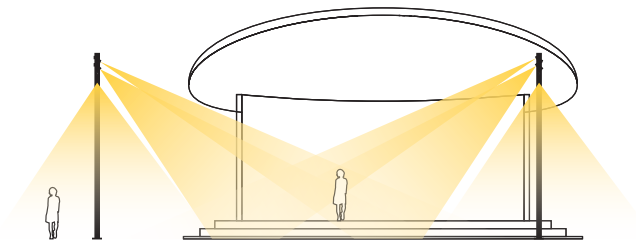
Landscape
Trees and Pathways



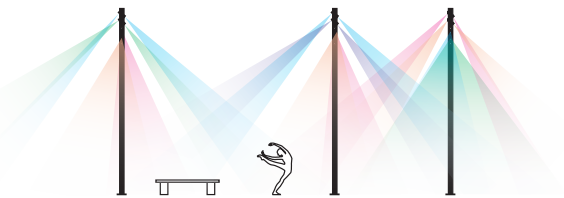
Sculptural
Accent and Ambiance



Streetscape
Pedestrian and Facade



Performance
Stage and Area Lighting



Entertainment
Color Changing Feature Lighting

LUCERA™

PHOTOMETRY

SHOWN AS SINGLE LUMINAIRE CUBE.

ADJUSTABLE – SPOT

	2700K	H(m)	D(m)	Emax(lx)		
	Ra80			17°		
	Fixture Power	12W	1	0.29	6510	
	Source Flux	1322lm	2	0.58	1628	
	Fixture Flux	947lm	3	0.87	723	
	Efficacy	79lm/W	4	1.17	407	
TS1818	I _{max} =4924cd/klm	I _{max}	6510cd	5	1.46	260

	3500K	H(m)	D(m)	Emax(lx)		
	Ra80			17°		
	Fixture Power	12W	1	0.29	7008	
	Source Flux	1423lm	2	0.58	1752	
	Fixture Flux	1019lm	3	0.87	779	
	Efficacy	85lm/W	4	1.17	438	
TS1818	I _{max} =4924cd/klm	I _{max}	7008cd	5	1.46	280

	3000K	H(m)	D(m)	Emax(lx)		
	Ra80			17°		
	Fixture Power	12W	1	0.29	6830	
	Source Flux	1387lm	2	0.58	1708	
	Fixture Flux	994lm	3	0.87	759	
	Efficacy	83lm/W	4	1.17	427	
TS1818	I _{max} =4924cd/klm	I _{max}	6830cd	5	1.46	273

	4000K	H(m)	D(m)	Emax(lx)		
	Ra80			17°		
	Fixture Power	12W	1	0.29	7185	
	Source Flux	1459lm	2	0.58	1796	
	Fixture Flux	1045lm	3	0.87	798	
	Efficacy	87lm/W	4	1.17	449	
TS1818	I _{max} =4924cd/klm	I _{max}	7185cd	5	1.46	287

ADJUSTABLE – NARROW FLOOD

	2700K	H(m)	D(m)	Emax(lx)		
	Ra80			28°		
	Fixture Power	12W	1	0.50	2737	
	Source Flux	1322lm	2	1.01	684	
	Fixture Flux	909lm	3	1.51	304	
	Efficacy	76lm/W	4	2.02	171	
TS1819	I _{max} =2070cd/klm	I _{max}	2737cd	5	2.52	109

	3500K	H(m)	D(m)	Emax(lx)		
	Ra80			28°		
	Fixture Power	12W	1	0.50	2946	
	Source Flux	1423lm	2	1.01	736	
	Fixture Flux	979lm	3	1.51	327	
	Efficacy	82lm/W	4	2.02	184	
TS1819	I _{max} =2070cd/klm	I _{max}	2946cd	5	2.52	118

	3000K	H(m)	D(m)	Emax(lx)		
	Ra80			28°		
	Fixture Power	12W	1	0.50	2871	
	Source Flux	1387lm	2	1.01	718	
	Fixture Flux	954lm	3	1.51	319	
	Efficacy	79lm/W	4	2.02	179	
TS1819	I _{max} =2070cd/klm	I _{max}	2871cd	5	2.52	115

	4000K	H(m)	D(m)	Emax(lx)		
	Ra80			28°		
	Fixture Power	12W	1	0.50	3020	
	Source Flux	1459lm	2	1.01	755	
	Fixture Flux	1004lm	3	1.51	336	
	Efficacy	84lm/W	4	2.02	189	
TS1819	I _{max} =2070cd/klm	I _{max}	3020cd	5	2.52	121

ADJUSTABLE – FLOOD

	2700K	H(m)	D(m)	Emax(lx)		
	Ra80			37°		
	Fixture Power	12W	1	0.66	1806	
	Source Flux	1322lm	2	1.32	451	
	Fixture Flux	879lm	3	1.98	201	
	Efficacy	73lm/W	4	2.64	113	
TS1820	I _{max} =1366cd/klm	I _{max}	1806cd	5	3.30	72

	3500K	H(m)	D(m)	Emax(lx)		
	Ra80			37°		
	Fixture Power	12W	1	0.66	1944	
	Source Flux	1423lm	2	1.32	486	
	Fixture Flux	946lm	3	1.98	216	
	Efficacy	79lm/W	4	2.64	121	
TS1820	I _{max} =1366cd/klm	I _{max}	1944cd	5	3.30	78

	3000K	H(m)	D(m)	Emax(lx)		
	Ra80			37°		
	Fixture Power	12W	1	0.66	1894	
	Source Flux	1387lm	2	1.32	474	
	Fixture Flux	922lm	3	1.98	210	
	Efficacy	77lm/W	4	2.64	118	
TS1820	I _{max} =1366cd/klm	I _{max}	1894cd	5	3.30	76

	4000K	H(m)	D(m)	Emax(lx)		
	Ra80			37°		
	Fixture Power	12W	1	0.66	1993	
	Source Flux	1459lm	2	1.32	498	
	Fixture Flux	970lm	3	1.98	221	
	Efficacy	81lm/W	4	2.64	125	
TS1820	I _{max} =1366cd/klm	I _{max}	1993cd	5	3.30	80

LUCERA™

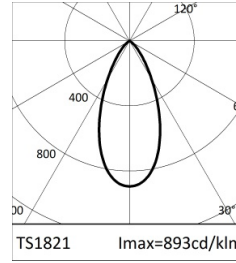
PHOTOMETRY

SHOWN AS SINGLE LUMINAIRE CUBE.

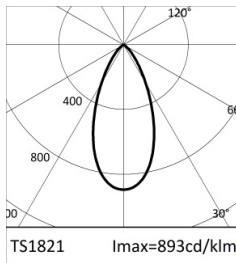
ADJUSTABLE – MEDIUM WIDE FLOOD



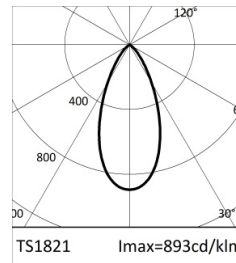
		2700K	H(m)	D(m)	Emax(lx)
		Ra80		47°	
Fixture Power	12W	1	0.86	1181	
Source Flux	1322lm	2	1.73	295	
Fixture Flux	847lm	3	2.59	131	
Efficacy	71lm/W	4	3.46	74	
TS1821	I _{max} =893cd/klm	I _{max}	1181cd	5	4.32



		3000K	H(m)	D(m)	Emax(lx)
		Ra80		47°	
Fixture Power	12W	1	0.86	1239	
Source Flux	1387lm	2	1.73	310	
Fixture Flux	889lm	3	2.59	138	
Efficacy	74lm/W	4	3.46	77	
TS1821	I _{max} =893cd/klm	I _{max}	1239cd	5	4.32

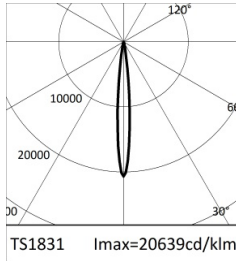


		3500K	H(m)	D(m)	Emax(lx)
		Ra80		47°	
Fixture Power	12W	1	0.86	1271	
Source Flux	1423lm	2	1.73	318	
Fixture Flux	912lm	3	2.59	141	
Efficacy	76lm/W	4	3.46	79	
TS1821	I _{max} =893cd/klm	I _{max}	1271cd	5	4.32



		4000K	H(m)	D(m)	Emax(lx)
		Ra80		47°	
Fixture Power	12W	1	0.86	1303	
Source Flux	1459lm	2	1.73	326	
Fixture Flux	935lm	3	2.59	145	
Efficacy	78lm/W	4	3.46	81	
TS1821	I _{max} =893cd/klm	I _{max}	1303cd	5	4.32

ADJUSTABLE – SPOT / RED



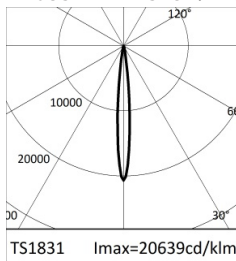
		-	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	10W	1	0.18	3633	
Source Flux	176lm	2	0.36	908	
Fixture Flux	176lm	3	0.54	404	
Efficacy	17lm/W	4	0.72	227	
TS1831	I _{max} =20639cd/klm	I _{max}	3633cd	5	0.90

ADJUSTABLE – SPOT / GREEN



		-	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	4W	1	0.18	2353	
Source Flux	114lm	2	0.36	588	
Fixture Flux	114lm	3	0.54	261	
Efficacy	28lm/W	4	0.72	147	
TS1831	I _{max} =20639cd/klm	I _{max}	2353cd	5	0.90

ADJUSTABLE – SPOT / BLUE



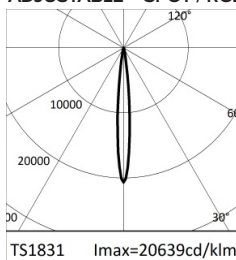
		-	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	4W	1	0.18	475	
Source Flux	23lm	2	0.36	119	
Fixture Flux	23lm	3	0.54	53	
Efficacy	6lm/W	4	0.72	30	
TS1831	I _{max} =20639cd/klm	I _{max}	475cd	5	0.90

ADJUSTABLE – SPOT / 6500K



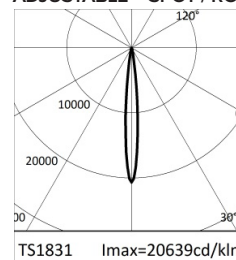
		6500K	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	3W	1	0.18	3509	
Source Flux	170lm	2	0.36	877	
Fixture Flux	170lm	3	0.54	390	
Efficacy	50lm/W	4	0.72	219	
TS1831	I _{max} =20639cd/klm	I _{max}	3509cd	5	0.90

ADJUSTABLE – SPOT / RGB



		-	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	10W	1	0.18	3633	
Source Flux	176lm	2	0.36	908	
Fixture Flux	176lm	3	0.54	404	
Efficacy	17lm/W	4	0.72	227	
TS1831	I _{max} =20639cd/klm	I _{max}	3633cd	5	0.90

ADJUSTABLE – SPOT / RGBW



		-	H(m)	D(m)	Emax(lx)
		-		10°	
Fixture Power	13W	1	0.18	6419	
Source Flux	311lm	2	0.36	1605	
Fixture Flux	311lm	3	0.54	713	
Efficacy	24lm/W	4	0.72	401	
TS1831	I _{max} =20639cd/klm	I _{max}	6419cd	5	0.90

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PHOTOMETRY

SHOWN AS SINGLE LUMINAIRE CUBE.

ADJUSTABLE – NARROW FLOOD / RED

		H(m)	D(m)	Emax(lx)
			24°	
Fixture Power	3W	1	0.42	225
Source Flux	53lm	2	0.84	56
Fixture Flux	53lm	3	1.25	25
Efficacy	17lm/W	4	1.67	14
TS1832	I _{max} =4248cd/klm	I _{max}	225cd	5
			2.09	9

ADJUSTABLE – NARROW FLOOD / GREEN

		H(m)	D(m)	Emax(lx)
			24°	
Fixture Power	4W	1	0.42	433
Source Flux	102lm	2	0.84	108
Fixture Flux	102lm	3	1.25	48
Efficacy	25lm/W	4	1.67	27
TS1832	I _{max} =4248cd/klm	I _{max}	433cd	5
			2.09	17

ADJUSTABLE – NARROW FLOOD / BLUE

		H(m)	D(m)	Emax(lx)
			24°	
Fixture Power	4W	1	0.42	89
Source Flux	21lm	2	0.84	22
Fixture Flux	21lm	3	1.25	10
Efficacy	5lm/W	4	1.67	6
TS1832	I _{max} =4248cd/klm	I _{max}	89cd	5
			2.09	4

ADJUSTABLE – NARROW FLOOD / 6500K

		H(m)	D(m)	Emax(lx)
	6500K		24°	
Fixture Power	3W	1	0.42	650
Source Flux	153lm	2	0.84	162
Fixture Flux	153lm	3	1.25	72
Efficacy	45lm/W	4	1.67	41
TS1832	I _{max} =4248cd/klm	I _{max}	650cd	5
			2.09	26

ADJUSTABLE – NARROW FLOOD / RGB

		H(m)	D(m)	Emax(lx)
			24°	
Fixture Power	10W	1	0.42	671
Source Flux	158lm	2	0.84	168
Fixture Flux	158lm	3	1.25	75
Efficacy	15lm/W	4	1.67	42
TS1832	I _{max} =4248cd/klm	I _{max}	671cd	5
			2.09	27

ADJUSTABLE – NARROW FLOOD / RGBW

		H(m)	D(m)	Emax(lx)
			24°	
Fixture Power	13W	1	0.42	1185
Source Flux	279lm	2	0.84	296
Fixture Flux	279lm	3	1.25	132
Efficacy	21lm/W	4	1.67	74
TS1832	I _{max} =4248cd/klm	I _{max}	1185cd	5
			2.09	47

ADJUSTABLE – FLOOD / RED

		H(m)	D(m)	Emax(lx)
			31°	
Fixture Power	3W	1	0.55	143
Source Flux	52lm	2	1.10	36
Fixture Flux	52lm	3	1.65	16
Efficacy	16lm/W	4	2.20	9
TS1833	I _{max} =2744cd/klm	I _{max}	143cd	5
			2.75	6

ADJUSTABLE – FLOOD / GREEN

		H(m)	D(m)	Emax(lx)
			31°	
Fixture Power	4W	1	0.55	277
Source Flux	101lm	2	1.10	69
Fixture Flux	101lm	3	1.65	31
Efficacy	25lm/W	4	2.20	17
TS1833	I _{max} =2744cd/klm	I _{max}	277cd	5
			2.75	11

ADJUSTABLE – FLOOD / BLUE

		H(m)	D(m)	Emax(lx)
			31°	
Fixture Power	4W	1	0.55	58
Source Flux	21lm	2	1.10	14
Fixture Flux	21lm	3	1.65	6
Efficacy	5lm/W	4	2.20	4
TS1833	I _{max} =2744cd/klm	I _{max}	58cd	5
			2.75	2

ADJUSTABLE – FLOOD / 6500K

		H(m)	D(m)	Emax(lx)
	6500K		31°	
Fixture Power	3W	1	0.55	414
Source Flux	151lm	2	1.10	104
Fixture Flux	151lm	3	1.65	46
Efficacy	44lm/W	4	2.20	26
TS1833	I _{max} =2744cd/klm	I _{max}	414cd	5
			2.75	17

ADJUSTABLE – FLOOD / RGB

		H(m)	D(m)	Emax(lx)
			31°	
Fixture Power	10W	1	0.55	428
Source Flux	156lm	2	1.10	107
Fixture Flux	156lm	3	1.65	48
Efficacy	15lm/W	4	2.20	27
TS1833	I _{max} =2744cd/klm	I _{max}	428cd	5
			2.75	17

ADJUSTABLE – FLOOD / RGBW

		H(m)	D(m)	Emax(lx)
			31°	
Fixture Power	13W	1	0.55	757
Source Flux	276lm	2	1.10	189
Fixture Flux	276lm	3	1.65	84
Efficacy	21lm/W	4	2.20	47
TS1833	I _{max} =2744cd/klm	I _{max}	757cd	5
			2.75	30

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PHOTOMETRY

SHOWN AS SINGLE LUMINAIRE CUBE.

ADJUSTABLE – MEDIUM WIDE FLOOD / RED

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	3W	1	0.80	75
Source Flux	51lm	2	1.61	19
Fixture Flux	51lm	3	2.41	8
Efficacy	16lm/W	4	3.21	5
TS1834	I _{max} =1472cd/klm	I _{max}	75cd	5
			4.02	3

ADJUSTABLE – MEDIUM WIDE FLOOD / GREEN

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	4W	1	0.80	147
Source Flux	100lm	2	1.61	37
Fixture Flux	100lm	3	2.41	16
Efficacy	24lm/W	4	3.21	9
TS1834	I _{max} =1472cd/klm	I _{max}	147cd	5
			4.02	6

ADJUSTABLE – MEDIUM WIDE FLOOD / BLUE

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	4W	1	0.80	31
Source Flux	21lm	2	1.61	8
Fixture Flux	21lm	3	2.41	3
Efficacy	5lm/W	4	3.21	2
TS1834	I _{max} =1472cd/klm	I _{max}	31cd	5
			4.02	1

ADJUSTABLE – MEDIUM WIDE FLOOD / 6500K

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	3W	1	0.80	219
Source Flux	149lm	2	1.61	55
Fixture Flux	149lm	3	2.41	24
Efficacy	44lm/W	4	3.21	14
TS1834	I _{max} =1472cd/klm	I _{max}	219cd	5
			4.02	9

ADJUSTABLE – MEDIUM WIDE FLOOD / RGB

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	10W	1	0.80	225
Source Flux	153lm	2	1.61	56
Fixture Flux	153lm	3	2.41	25
Efficacy	15lm/W	4	3.21	14
TS1834	I _{max} =1472cd/klm	I _{max}	225cd	5
			4.02	9

ADJUSTABLE – MEDIUM WIDE FLOOD / RGBW

		H(m)	D(m)	Emax(lx)
			44°	
Fixture Power	13W	1	0.80	400
Source Flux	272lm	2	1.61	100
Fixture Flux	272lm	3	2.41	44
Efficacy	21lm/W	4	3.21	25
TS1834	I _{max} =1472cd/klm	I _{max}	400cd	5
			4.02	16

ADJUSTABLE – SPOT / TW

		H(m)	D(m)	Emax(lx)
			18°	
2700K				
Ra80				
Fixture Power	5W	1	0.32	2382
Source Flux	287lm	2	0.64	595
Fixture Flux	287lm	3	0.95	265
Efficacy	60lm/W	4	1.27	149
TS1827	I _{max} =8299cd/klm	I _{max}	2382cd	5
			1.59	95

		H(m)	D(m)	Emax(lx)
			18°	
3850K				
Ra80				
Fixture Power	5W	1	0.32	3004
Source Flux	362lm	2	0.64	751
Fixture Flux	362lm	3	0.95	334
Efficacy	75lm/W	4	1.27	188
TS1827	I _{max} =8299cd/klm	I _{max}	3004cd	5
			1.59	120

		H(m)	D(m)	Emax(lx)
			18°	
5000K				
Ra80				
Fixture Power	5W	1	0.32	3096
Source Flux	373lm	2	0.64	774
Fixture Flux	373lm	3	0.95	344
Efficacy	78lm/W	4	1.27	193
TS1827	I _{max} =8299cd/klm	I _{max}	3096cd	5
			1.59	124

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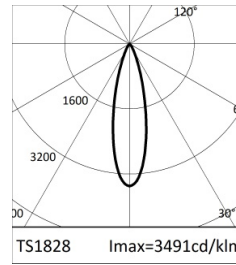
PHOTOMETRY

SHOWN AS INDIVIDUAL LUMINAIRE CUBE.

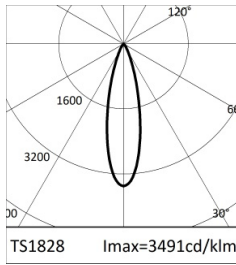
ADJUSTABLE – NARROW FLOOD / TW



2700K		H(m)	D(m)	Emax(lx)	
Ra80			26°		
Fixture Power	5W	1	0.47	915	
Source Flux	262lm	2	0.94	229	
Fixture Flux	262lm	3	1.41	102	
Efficacy	55lm/W	4	1.88	57	
TS1828	I _{max} =3491cd/klm	I _{max}	915cd	5	2.35 37



3850K		H(m)	D(m)	Emax(lx)	
Ra80			26°		
Fixture Power	5W	1	0.47	1148	
Source Flux	329lm	2	0.94	287	
Fixture Flux	329lm	3	1.41	128	
Efficacy	69lm/W	4	1.88	72	
TS1828	I _{max} =3491cd/klm	I _{max}	1148cd	5	2.35 46



5000K		H(m)	D(m)	Emax(lx)	
Ra80			26°		
Fixture Power	5W	1	0.47	1187	
Source Flux	340lm	2	0.94	297	
Fixture Flux	340lm	3	1.41	132	
Efficacy	71lm/W	4	1.88	74	
TS1828	I _{max} =3491cd/klm	I _{max}	1187cd	5	2.35 47

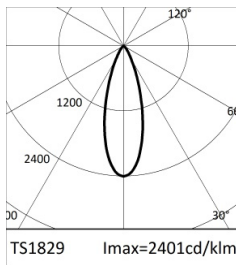
ADJUSTABLE – FLOOD / TW



2700K		H(m)	D(m)	Emax(lx)	
Ra80			33°		
Fixture Power	5W	1	0.59	610	
Source Flux	254lm	2	1.19	152	
Fixture Flux	254lm	3	1.78	68	
Efficacy	53lm/W	4	2.38	38	
TS1829	I _{max} =2401cd/klm	I _{max}	610cd	5	2.97 24



3850K		H(m)	D(m)	Emax(lx)	
Ra80			33°		
Fixture Power	5W	1	0.59	768	
Source Flux	320lm	2	1.19	192	
Fixture Flux	320lm	3	1.78	85	
Efficacy	67lm/W	4	2.38	48	
TS1829	I _{max} =2401cd/klm	I _{max}	768cd	5	2.97 31



5000K		H(m)	D(m)	Emax(lx)	
Ra80			33°		
Fixture Power	5W	1	0.59	792	
Source Flux	330lm	2	1.19	198	
Fixture Flux	330lm	3	1.78	88	
Efficacy	69lm/W	4	2.38	50	
TS1829	I _{max} =2401cd/klm	I _{max}	792cd	5	2.97 32

ADJUSTABLE – MEDIUM WIDE FLOOD / TW



2700K		H(m)	D(m)	Emax(lx)	
Ra80			46°		
Fixture Power	5W	1	0.86	334	
Source Flux	249lm	2	1.71	83	
Fixture Flux	249lm	3	2.57	37	
Efficacy	52lm/W	4	3.42	21	
TS1830	I _{max} =1341cd/klm	I _{max}	334cd	5	4.28 13



3850K		H(m)	D(m)	Emax(lx)	
Ra80			46°		
Fixture Power	5W	1	0.86	422	
Source Flux	315lm	2	1.71	106	
Fixture Flux	315lm	3	2.57	47	
Efficacy	66lm/W	4	3.42	26	
TS1830	I _{max} =1341cd/klm	I _{max}	422cd	5	4.28 17

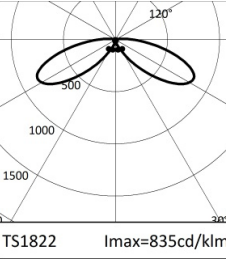
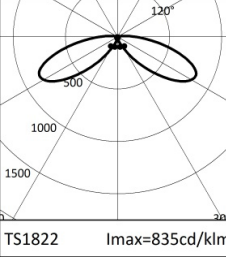
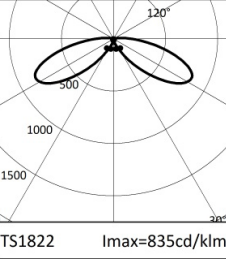
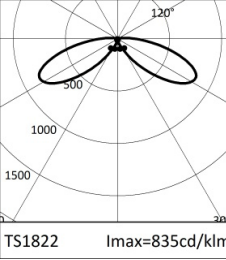


5000K		H(m)	D(m)	Emax(lx)	
Ra80			46°		
Fixture Power	5W	1	0.86	433	
Source Flux	323lm	2	1.71	108	
Fixture Flux	323lm	3	2.57	48	
Efficacy	67lm/W	4	3.42	27	
TS1830	I _{max} =1341cd/klm	I _{max}	433cd	5	4.28 17

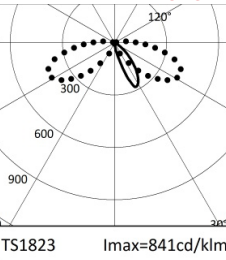
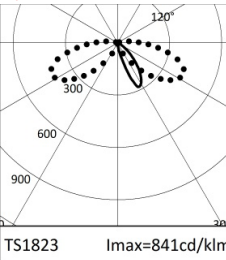
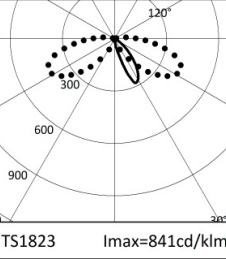
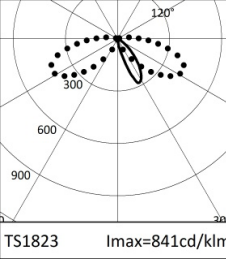
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PHOTOMETRY

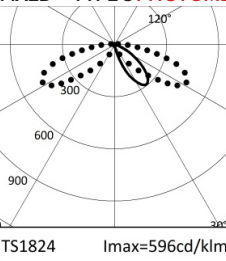
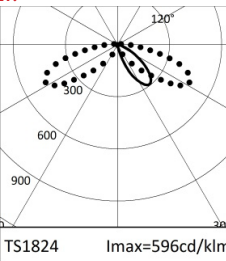
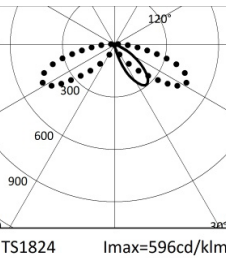
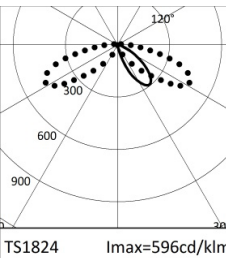
FIXED – TYPE 1 *PHOTOMETRY SHOWN AS 2+6 HEAD STYLE LUMINAIRE ASSEMBLY.*

	2700K						3000K				
	Ra80						Ra80				
	Fixture Power	96W					Fixture Power	96W			
	Source Flux	5804lm					Source Flux	6090lm			
	Fixture Flux	5804lm					Fixture Flux	6090lm			
	Efficacy	60lm/W					Efficacy	63lm/W			
TS1822	Imax=835cd/klm	Imax	4849cd			TS1822	Imax=835cd/klm	Imax	5087cd		
	3500K						4000K				
	Ra80						Ra80				
	Fixture Power	96W					Fixture Power	96W			
	Source Flux	6248lm					Source Flux	6404lm			
	Fixture Flux	6248lm					Fixture Flux	6404lm			
	Efficacy	65lm/W					Efficacy	67lm/W			
TS1822	Imax=835cd/klm	Imax	5219cd			TS1822	Imax=835cd/klm	Imax	5350cd		

FIXED – TYPE 2 *PHOTOMETRY SHOWN AS 2+6 HEAD STYLE LUMINAIRE ASSEMBLY.*

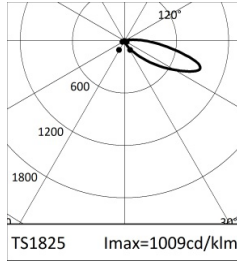
	2700K	H(m)	D1(m)	D2(m)	Emax(lx)		3000K	H(m)	D1(m)	D2(m)	Emax(lx)				
	Ra80		27°	179°			Ra80		27°	179°					
	Fixture Power	96W	1	0.65	506.76		1053	Fixture Power	96W	1	0.65	506.76	1105		
	Source Flux	5085lm	2	1.30	1013.52		263	Source Flux	5336lm	2	1.30	1013.52	276		
	Fixture Flux	5085lm	3	1.95	1520.28		117	Fixture Flux	5336lm	3	1.95	1520.28	123		
	Efficacy	53lm/W	4	2.60	2027.04		66	Efficacy	56lm/W	4	2.60	2027.04	69		
TS1823	Imax=841cd/klm	Imax	4278cd	5	3.25	2533.80	42	TS1823	Imax=841cd/klm	Imax	4489cd	5	3.25	2533.80	44
	3500K	H(m)	D1(m)	D2(m)	Emax(lx)		4000K	H(m)	D1(m)	D2(m)	Emax(lx)				
	Ra80		27°	179°			Ra80		27°	179°					
	Fixture Power	96W	1	0.65	506.76		1134	Fixture Power	96W	1	0.65	506.76	1162		
	Source Flux	5475lm	2	1.30	1013.52		284	Source Flux	5612lm	2	1.30	1013.52	291		
	Fixture Flux	5475lm	3	1.95	1520.28		126	Fixture Flux	5612lm	3	1.95	1520.28	129		
	Efficacy	57lm/W	4	2.60	2027.04		71	Efficacy	58lm/W	4	2.60	2027.04	73		
TS1823	Imax=841cd/klm	Imax	4606cd	5	3.25	2533.80	45	TS1823	Imax=841cd/klm	Imax	4721cd	5	3.25	2533.80	46

FIXED – TYPE 3 *PHOTOMETRY SHOWN AS 2+6 HEAD STYLE LUMINAIRE ASSEMBLY.*

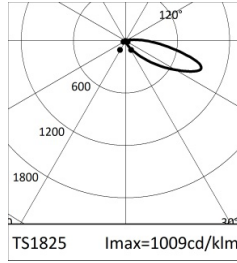
	2700K	H(m)	D1(m)	D2(m)	Emax(lx)		3000K	H(m)	D1(m)	D2(m)	Emax(lx)				
	Ra80		35°	164°			Ra80		35°	164°					
	Fixture Power	96W	1	1.15	17.82		838	Fixture Power	96W	1	1.15	17.82	879		
	Source Flux	5279lm	2	2.31	35.64		209	Source Flux	5539lm	2	2.31	35.64	220		
	Fixture Flux	5279lm	3	3.46	53.46		93	Fixture Flux	5539lm	3	3.46	53.46	98		
	Efficacy	55lm/W	4	4.62	71.29		52	Efficacy	58lm/W	4	4.62	71.29	55		
TS1824	Imax=596cd/klm	Imax	3146cd	5	5.77	89.11	34	TS1824	Imax=596cd/klm	Imax	3301cd	5	5.77	89.11	35
	3500K	H(m)	D1(m)	D2(m)	Emax(lx)		4000K	H(m)	D1(m)	D2(m)	Emax(lx)				
	Ra80		35°	164°			Ra80		35°	164°					
	Fixture Power	96W	1	1.15	17.82		902	Fixture Power	96W	1	1.15	17.82	924		
	Source Flux	5681lm	2	2.31	35.64		225	Source Flux	5823lm	2	2.31	35.64	231		
	Fixture Flux	5681lm	3	3.46	53.46		100	Fixture Flux	5823lm	3	3.46	53.46	103		
	Efficacy	59lm/W	4	4.62	71.29		56	Efficacy	61lm/W	4	4.62	71.29	58		
TS1824	Imax=596cd/klm	Imax	3385cd	5	5.77	89.11	36	TS1824	Imax=596cd/klm	Imax	3470cd	5	5.77	89.11	37

PHOTOMETRY

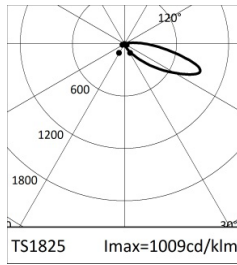
FIXED – TYPE 4 *PHOTOMETRY SHOWN AS 2+6 HEAD STYLE LUMINAIRE ASSEMBLY.*



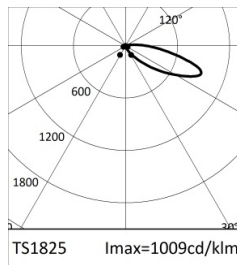
2700K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		30° 82°			
Fixture Power	96W	1	6.81	5.05	564
Source Flux	5469lm	2	13.62	10.10	141
Fixture Flux	5469lm	3	20.43	15.15	63
Efficacy	57lm/W	4	27.24	20.20	35
TS1825	I _{max} =1009cd/klm	I _{max}	5519cd	5	34.06 25.25 23



3000K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		30° 82°			
Fixture Power	96W	1	6.81	5.05	594
Source Flux	5757lm	2	13.62	10.10	149
Fixture Flux	5757lm	3	20.43	15.15	66
Efficacy	60lm/W	4	27.24	20.20	37
TS1825	I _{max} =1009cd/klm	I _{max}	5809cd	5	34.06 25.25 24

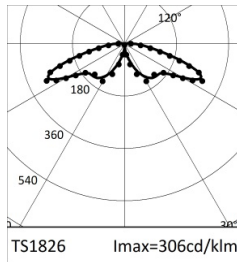


3500K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		30° 82°			
Fixture Power	96W	1	6.81	5.05	610
Source Flux	5907lm	2	13.62	10.10	152
Fixture Flux	5907lm	3	20.43	15.15	68
Efficacy	62lm/W	4	27.24	20.20	38
TS1825	I _{max} =1009cd/klm	I _{max}	5961cd	5	34.06 25.25 24

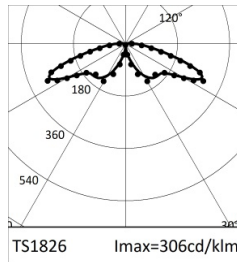


4000K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		30° 82°			
Fixture Power	96W	1	6.81	5.05	625
Source Flux	6055lm	2	13.62	10.10	156
Fixture Flux	6055lm	3	20.43	15.15	69
Efficacy	63lm/W	4	27.24	20.20	39
TS1825	I _{max} =1009cd/klm	I _{max}	6110cd	5	34.06 25.25 25

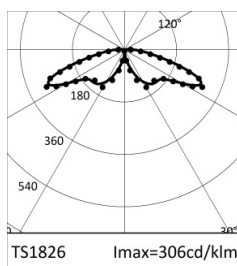
FIXED – TYPE 5S *PHOTOMETRY SHOWN AS 4+4 HEAD STYLE LUMINAIRE ASSEMBLY.*



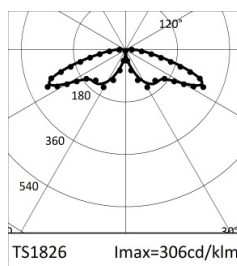
2700K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		41° 97°			
Fixture Power	96W	1	3.61	5.53	505
Source Flux	5548lm	2	7.23	11.05	126
Fixture Flux	5548lm	3	10.84	16.58	56
Efficacy	58lm/W	4	14.46	22.10	32
TS1826	I _{max} =306cd/klm	I _{max}	1698cd	5	18.07 27.63 20



3000K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		41° 97°			
Fixture Power	96W	1	3.61	5.53	530
Source Flux	5822lm	2	7.23	11.05	132
Fixture Flux	5822lm	3	10.84	16.58	59
Efficacy	61lm/W	4	14.46	22.10	33
TS1826	I _{max} =306cd/klm	I _{max}	1782cd	5	18.07 27.63 21



3500K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		41° 97°			
Fixture Power	96W	1	3.61	5.53	543
Source Flux	5973lm	2	7.23	11.05	136
Fixture Flux	5973lm	3	10.84	16.58	60
Efficacy	62lm/W	4	14.46	22.10	34
TS1826	I _{max} =306cd/klm	I _{max}	1828cd	5	18.07 27.63 22



4000K		H(m) D1(m) D2(m) Emax(lx)			
Ra80		41° 97°			
Fixture Power	96W	1	3.61	5.53	557
Source Flux	6122lm	2	7.23	11.05	139
Fixture Flux	6122lm	3	10.84	16.58	62
Efficacy	64lm/W	4	14.46	22.10	35
TS1826	I _{max} =306cd/klm	I _{max}	1874cd	5	18.07 27.63 22

PHOTOMETRY

