

FORZA

Beam Angle Adjustable Floodlight

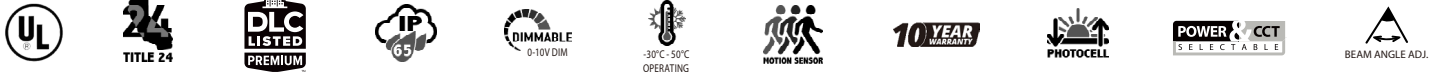


FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT



DESCRIPTION

LED Floodlight | Power & CCT Selectable | Beam Angle Field Adjustable | IP65 | 120-277Vac(277-480Vac optional for 150W+ models) | Multiple Mounting Options | -30°C(-22°F) to 50°C(122°F) operating temperature



CONSTRUCTION

- High-powered, corrosion resistant, die-cast aluminum housing for durability and consistency.
- Tempered glass lens.

MOUNTING

- Knuckle Mount: 20W/35W/60W/80W
- Slipfitter: 100W/150W/320W/500W
- Trunnion Mount : 20W/35W/60W/100W/150W/320W/500W
- Yoke Mount: 20W/35W/60W/100W/150W/320W/500W

LED

- Long-life, high-efficiency, surface-mounted 2835 LEDs
- CRI 80
- Color Temperatures: 3000K/4000K/5000K selectable

OPTICS

- Beam Angle Adjustable: 90°(default), 75° and 55°
- NEMA Beam Spread of 7H x 6V

ELECTRICAL

- 120-277Vac or 277-480Vac (150W+ models)
- 0-10V dimming
- Power Factor > 0.9, THD <10%
- L/N-PE: 2.5KV for 20W/35W models, L/N-PE: 6KV for other models

OPERATION TEMPERATURE

- -30°C(-22°F) ~ 50°C(-122°F)

WARRANTY

- Industry leading 10 year warranty for main components.

Lifespan

- 100,000+ Hrs L70 Lifetime based on LM-80 results and TM-21 calculations

LISTINGS

- UL Listed, Suitable for wet locations
- DLC Premium(Pending)
- IP65 Rated
- 3G Vibration Rated

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

PRODUCT SPECIFICATIONS

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-20W-T1 *set at 20W*	120-277V	20W	3000K	21	2,584	122.8	21	2,911	138.1	21	2,902	137.8
			4000K	20	2,827	139.6	20	3,059	152.0	20	3,116	153.7
			5000K	21	2,791	132.5	20	2,966	145.7	21	3,129	147.2
FLFZ-20W-T1 *set at 15W*		15W	3000K	15	2,027	135.1	15	2,279	151.9	15	2,273	151.6
			4000K	15	2,304	153.6	15	2,508	167.2	15	2,536	169.1
			5000K	15	2,186	145.7	15	2,405	160.3	15	2,428	161.9
FLFZ-20W-T1 *set at 10W*		10W	3000K	10	1,412	141.2	10	1,588	158.8	10	1,584	158.4
			4000K	10	1,606	160.6	10	1,748	174.8	10	1,768	176.8
			5000K	10	1,523	152.3	10	1,676	167.6	10	1,692	169.2

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-35W-T1 *set at 35W*	120-277V	35W	3000K	35	4,214	121.3	35	4,574	131.8	35	4,675	134.4
			4000K	34	4,640	137.5	33	4,934	149.5	34	5,021	148.8
			5000K	35	4,564	130.3	35	4,914	142.1	36	5,026	141.5
FLFZ-35W-T1 *set at 25W*		25W	3000K	25	3,336	133.5	25	3,625	145.0	25	3,696	147.8
			4000K	25	3,782	151.3	25	4,110	164.4	25	4,093	163.7
			5000K	25	3,584	143.4	25	3,909	156.4	25	3,892	155.7
FLFZ-35W-T1 *set at 15W*		15W	3000K	15	2,093	139.5	15	2,274	151.6	15	2,318	154.6
			4000K	15	2,372	158.1	15	2,578	171.9	15	2,567	171.2
			5000K	15	2,248	149.9	15	2,452	163.5	15	2,441	162.7

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-60W-T1 *set at 60W*	120-277V	60W	3000K	61	8,069	131.3	61	8,369	137.5	62	8,623	140.0
			4000K	59	8,691	146.8	59	8,979	153.5	59	9,299	156.8
			5000K	62	8,679	140.6	61	8,908	146.7	62	9,193	149.2
FLFZ-60W-T1 *set at 45W*		45W	3000K	45	6,501	144.5	45	6,806	151.2	45	6,930	154.0
			4000K	45	7,267	161.5	45	7,596	168.8	45	7,761	172.5
			5000K	45	6,960	154.7	45	7,262	161.4	45	7,383	164.1
FLFZ-60W-T1 *set at 35W*		35W	3000K	35	5,286	151.0	35	5,534	158.1	35	5,635	161.0
			4000K	35	5,909	168.8	35	6,177	176.5	35	6,311	180.3
			5000K	35	5,659	161.7	35	5,905	168.7	35	6,004	171.5

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-80W-T1 *set at 80W*	120-277V 277-480V (Optional)	80W	3000K	79	10,234	129.9	79	11,355	144.6	79	11,558	146.6
			4000K	76	11,017	145.1	76	12,105	160.1	76	12,338	162.6
			5000K	79	11,016	139.4	78	12,009	153.6	79	12,268	155.1
FLFZ-80W-T1 *set at 70W*		70W	3000K	70	10,003	142.9	70	11,136	159.1	70	11,290	161.3
			4000K	70	11,170	159.6	70	12,326	176.1	70	12,516	178.8
			5000K	70	10,730	153.3	70	11,830	169.0	70	11,943	170.6
FLFZ-80W-T1 *set at 60W*		60W	3000K	60	8,964	149.4	60	9,979	166.3	60	10,117	168.6
			4000K	60	10,009	166.8	60	11,046	184.1	60	11,216	186.9
			5000K	60	9,615	160.3	60	10,600	176.7	60	10,702	178.4

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-150W-T1 *set at 150W*	120-277V 277-480V (Optional)	150W	3000K	149	18,366	123.3	149	20,761	139.2	150	21,352	142.7
			4000K	143	19,875	138.8	144	22,195	154.6	144	22,814	158.5
			5000K	148	19,533	131.6	149	22,034	147.9	150	22,626	151.1
FLFZ-150W-T1 *set at 120W*		120W	3000K	120	16,280	135.7	120	18,375	153.1	120	18,843	157.0
			4000K	120	18,318	152.6	120	20,405	170.0	120	20,926	174.4
			5000K	120	17,371	144.8	120	19,525	162.7	120	19,944	166.2
FLFZ-150W-T1 *set at 100W*		100W	3000K	100	14,183	141.8	100	16,009	160.1	100	16,416	164.2
			4000K	100	15,959	159.6	100	17,777	177.8	100	18,231	182.3
			5000K	100	15,134	151.3	100	17,011	170.1	100	17,375	173.8

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-320W-T1 *set at 320W*	120-277V 277-480V (Optional)	320W	3000K	319	41,691	130.8	319	43,098	135.1	319	42,990	134.8
			4000K	309	44,094	142.6	309	45,989	148.7	309	45,462	147.1
			5000K	320	43,683	136.6	320	45,625	142.5	321	45,473	141.8
FLFZ-320W-T1 *set at 280W*		280W	3000K	280	37,766	134.9	280	38,987	139.3	280	38,941	139.1
			4000K	273	40,933	150.2	273	41,353	151.8	273	39,703	145.6
			5000K	282	39,333	139.5	282	41,025	145.5	283	40,943	144.8
FLFZ-320W-T1 *set at 200W*		200W	3000K	204	29,268	143.6	204	30,517	149.5	204	30,197	148.3
			4000K	200	30,336	151.6	200	31,913	159.3	200	31,295	156.6
			5000K	207	30,053	145.3	207	31,660	152.7	207	31,302	151.0

Model Number	Input	Nominal Wattage(W)	CCT	55°			75°			90°		
				Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)	Wattage (W)	Lumens (LM)	Efficacy (LM/W)
FLFZ-500W-T1 *set at 500W*	120-277V 277-480V (Optional)	500W	3000K	494	69,359	140.4	496	69,306	139.9	496	69,392	140.0
			4000K	481	69,793	145.1	480	72,091	150.3	482	74,093	153.8
			5000K	496	68,920	139.0	495	72,570	146.5	496	73,110	147.3
FLFZ-500W-T1 *set at 460W*		460W	3000K	456	61,515	135.0	455	64,593	141.8	456	65,046	142.6
			4000K	445	65,294	146.6	443	67,536	152.6	445	69,036	155.0
			5000K	459	64,477	140.4	457	67,229	147.1	459	68,120	148.5
FLFZ-500W-T1 *set at 420W*		420W	3000K	418	57,706	138.0	418	60,437	144.8	418	60,873	145.5
			4000K	411	60,820	148.2	407	62,746	154.1	410	64,152	156.5
			5000K	419	60,189	143.7	419	62,951	150.3	419	64,038	152.8

* Data for max wattage, 3000K are based on IES files. Data for max wattage, 4000K&5000K are based on LM-79 reports.

* Data for other wattage selections are extrapolated.

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

ELECTRICAL DATA

Model Number	120V	240V	277V	480V
FLFZ-20W-T1	0.17A	0.08A	0.07A	X
FLFZ-35W-T1	0.29A	0.15A	0.13A	X
FLFZ-60W-T1	0.50A	0.26A	0.23A	X
FLFZ-80W-T1	0.66A	0.35A	0.32A	X
FLFZ-150W-T1	1.2A	0.53A	0.56A	0.32A
FLFZ-320W-T1	2.65A	1.37A	1.2A	0.68A
FLFZ-500W-T1	4.23A	2.12A	1.87A	1.09A

BUG INFO

Model Number	55°	75°	90°
FLFZ-20W-T1	B2-U0-G0	B2-U0-G0	B2-U0-G0
FLFZ-35W-T1	B3-U0-G0	B3-U0-G0	B2-U0-G0
FLFZ-60W-T1	B3-U0-G1	B3-U0-G1	B3-U0-G1
FLFZ-80W-T1	B4-U0-G1	B4-U0-G1	B3-U0-G1
FLFZ-150W-T1	B5-U0-G1	B5-U0-G1	B4-U0-G1
FLFZ-320W-T1	B5 U0 G3	B5 U0 G3	B5 U0 G3
FLFZ-500W-T1	B5-U0-G2	B5-U0-G2	B5-U0-G2

EPA

Model Number	1 Fixture	2 Fixtures	2 Fixtures @180°	3 Fixtures	4 Fixtures @90°
FLFZ-20W-T1	0.117 ft ²	0.256 ft ²	0.234 ft ²	0.373 ft ²	0.373 ft ²
FLFZ-35W-T1	0.118 ft ²	0.278 ft ²	0.235 ft ²	0.395 ft ²	0.395 ft ²
FLFZ-60W-T1	0.205 ft ²	0.427 ft ²	0.409 ft ²	0.632 ft ²	0.632 ft ²
FLFZ-80W-T1	0.249 ft ²	0.587 ft ²	0.498 ft ²	0.836 ft ²	0.836 ft ²
FLFZ-150W-T1	0.432 ft ²	1.093 ft ²	0.865 ft ²	1.525 ft ²	1.525 ft ²
FLFZ-320W-T1	0.759 ft ²	1.985 ft ²	1.517 ft ²	2.744 ft ²	2.744 ft ²
FLFZ-500W-T1	1.142 ft ²	2.712 ft ²	2.285 ft ²	3.854 ft ²	3.854 ft ²

MOUNTING



Knuckle Mount
(20W, 35W, 60W, 80W)



Slipfitter
(100W, 150W, 320W, 500W)



Trunnion Mount
(All Wattages)

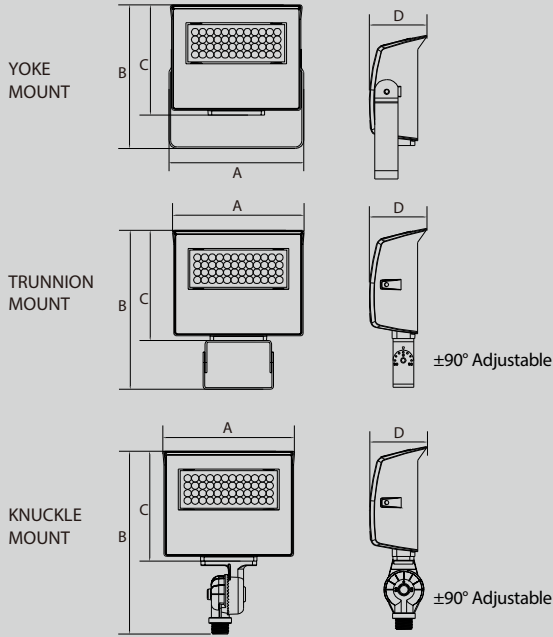


Yoke Mount
(All Wattages)

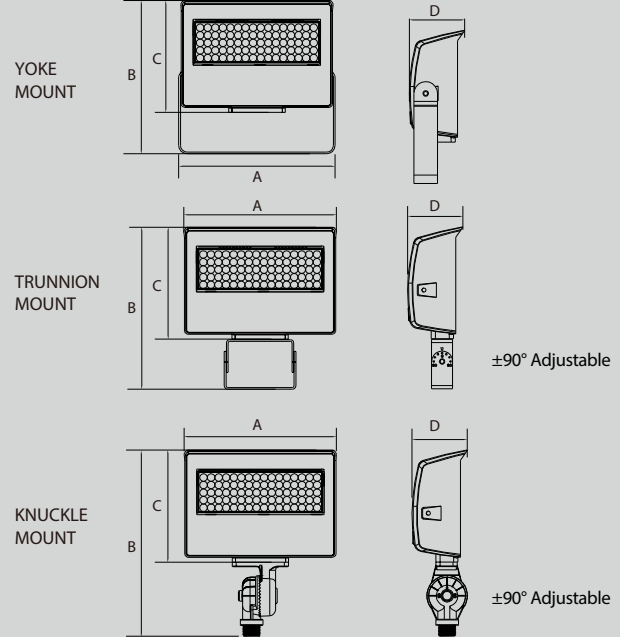
FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

DIMENSIONS

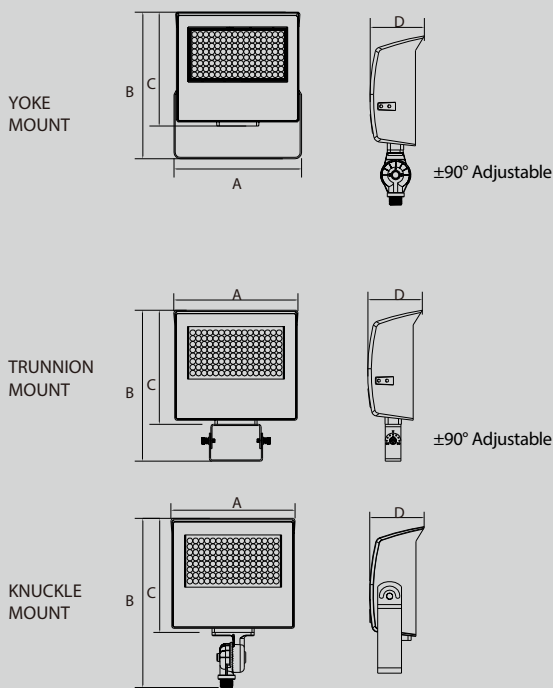
FLFZ 20W



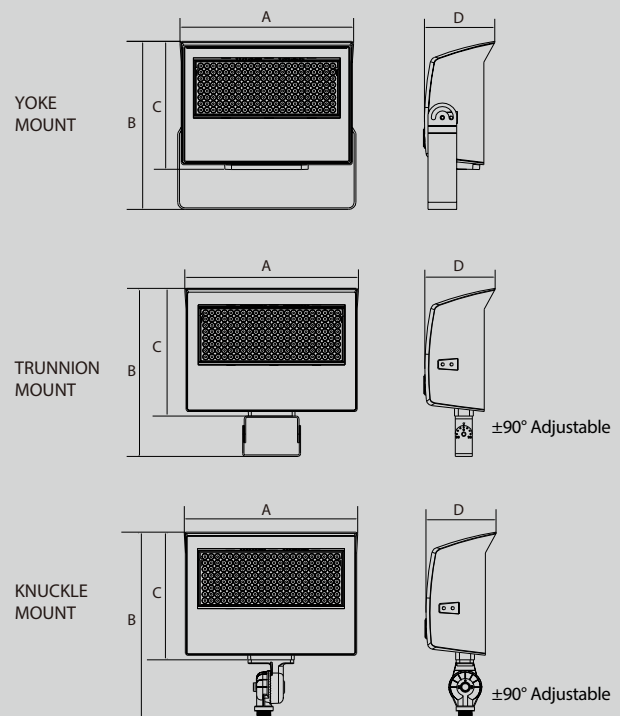
FLFZ 35W



FLFZ 60W

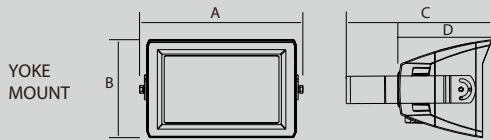
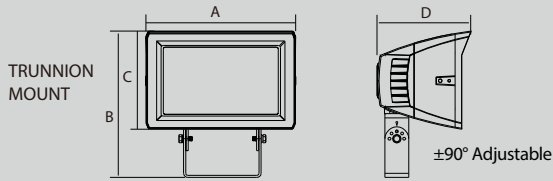
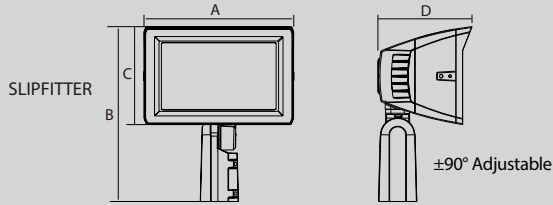


FLFZ 80W

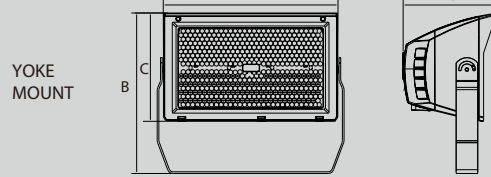
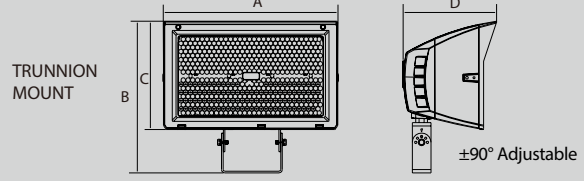
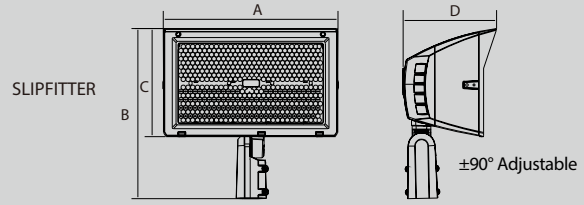


FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

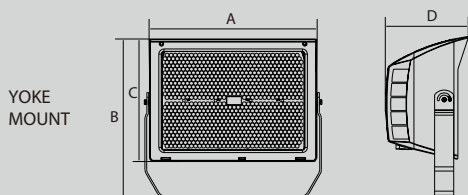
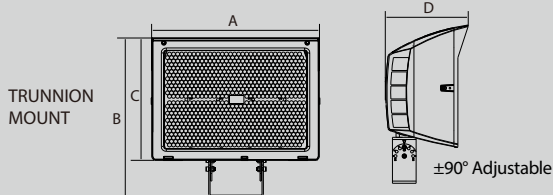
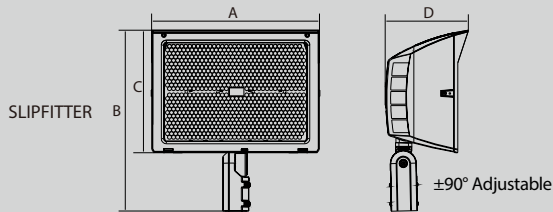
FLFZ 150W



FLFZ 320W



FLFZ 500W

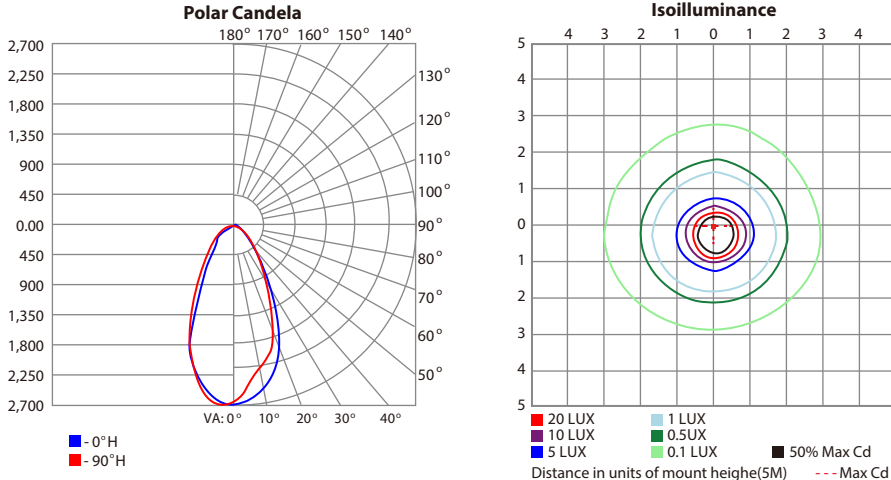


	Mounting	A	B	C	D	Weight
FLFZ-20W-T1	Yoke Mount	6.4"	6.8"	5.2"	2.7"	1.98 lbs
	Trunnion Mount	6.3"	7.6"	5.2"	2.7"	
	Knuckle Mount	6.3"	8.7"	5.2"	2.7"	
FLFZ-35W-T1	Yoke Mount	6.4"	6.8"	5.2"	2.7"	2.5 lbs
	Trunnion Mount	6.3"	7.6"	5.2"	2.7"	
	Knuckle Mount	6.3"	8.7"	5.2"	2.7"	
FLFZ-60W-T1	Yoke Mount	7.8"	10.6"	7.2"	3.4"	3.61 lbs
	Trunnion Mount	7.8"	9.5"	7.2"	3.4"	
	Knuckle Mount	8"	9.2"	7.2"	3.4"	
FLFZ-80W-T1	Yoke Mount	10.8"	10.6"	10"	4"	5.52 lbs
	Trunnion Mount	9.7"	9.5"	10"	4"	
	Knuckle Mount	9.7"	9.2"	10"	4"	
FLFZ-150W-T1	Slipfitter	11.2"	13.1"	7.3"	7"	8.8 lbs
	Trunnion Mount	11.2"	10.9"	7.3"	7"	
	Yoke Mount	11.8"	7.3"	10.9"	7"	
FLFZ-320W-T1	Slipfitter	16.6"	16.2"	10.3"	8.5"	20.7 lbs
	Trunnion Mount	16.6"	14.4"	10.3"	8.5"	
	Yoke Mount	16.6"	15.1"	10.3"	8.5"	
FLFZ-500W-T1	Slipfitter	21"	16.2"	14.2"	9.7"	32.87 lbs
	Trunnion Mount	19.5"	14.4"	14.2"	9.7"	
	Yoke Mount	18.4"	15.1"	14.2"	9.7"	

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

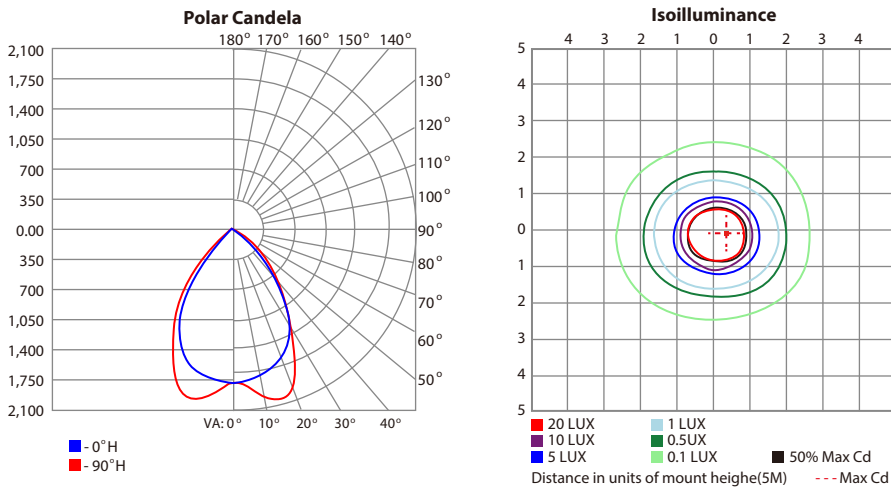
PHOTOMETRIC SPECIFICATIONS

FLFZ-20W-T1 Setting at 3000K 55° 120V



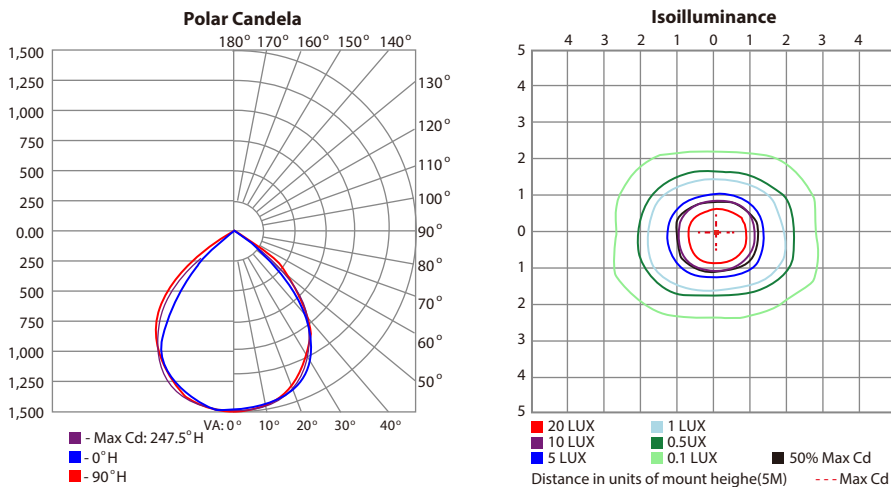
Model Number	Optic	NEMA Type	Output
FLFZ-20W-T1	55°	6H x 6V	2584.1

FLFZ-20W-T1 Setting at 3000K 75° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-20W-T1	75°	6H x 6V	2911.2

FLFZ-20W-T1 Setting at 3000K 90° 120V

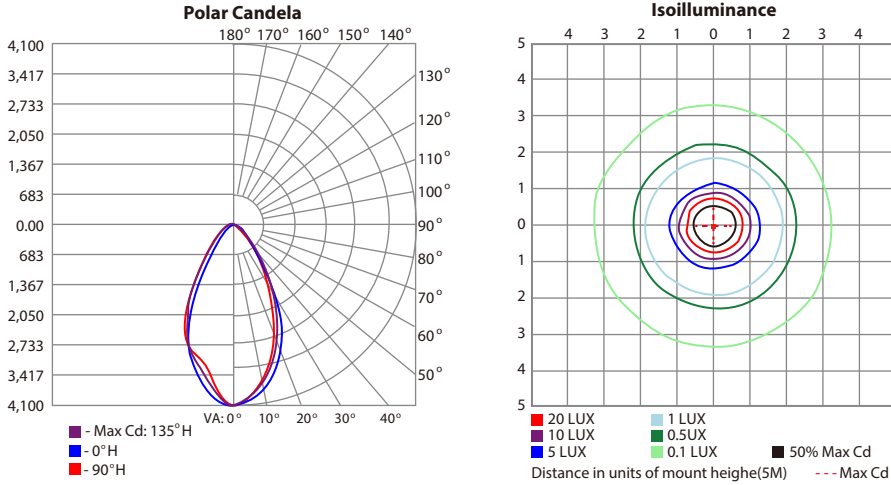


Model Number	Optic	NEMA Type	Output
FLFZ-20W-T1	90°	7H x 6V	2901.7

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

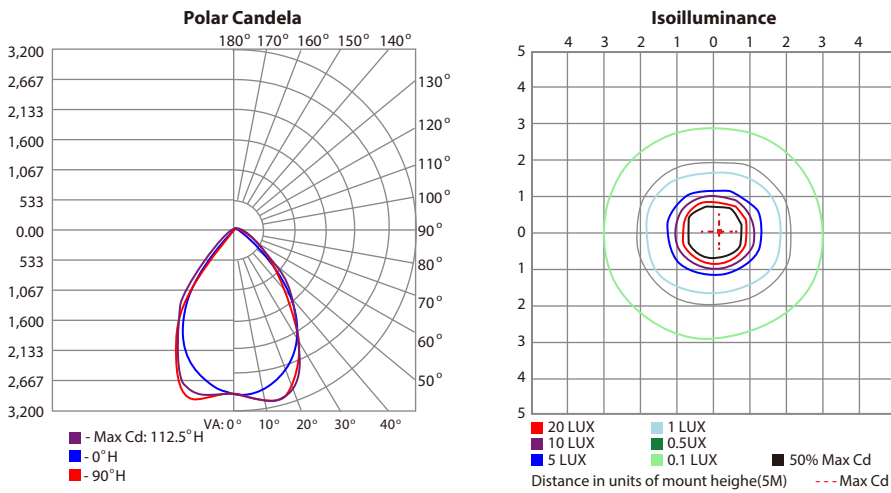
PHOTOMETRIC SPECIFICATIONS

FLFZ-35W-T1 Setting at 3000K 55° 120V



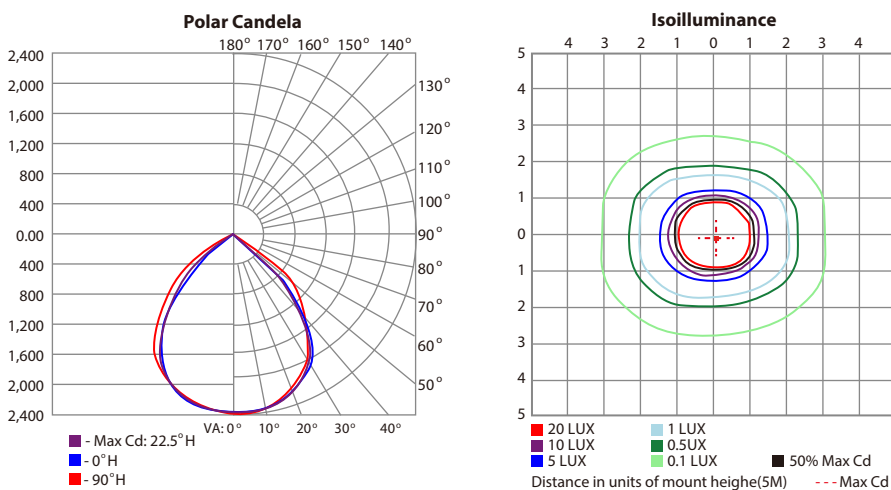
Model Number	Optic	NEMA Type	Output
FLFZ-35W-T1	55°	6H x 6V	4213.6

FLFZ-35W-T1 Setting at 3000K 75° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-35W-T1	75°	6H x 6V	4574

FLFZ-35W-T1 Setting at 3000K 90° 120V

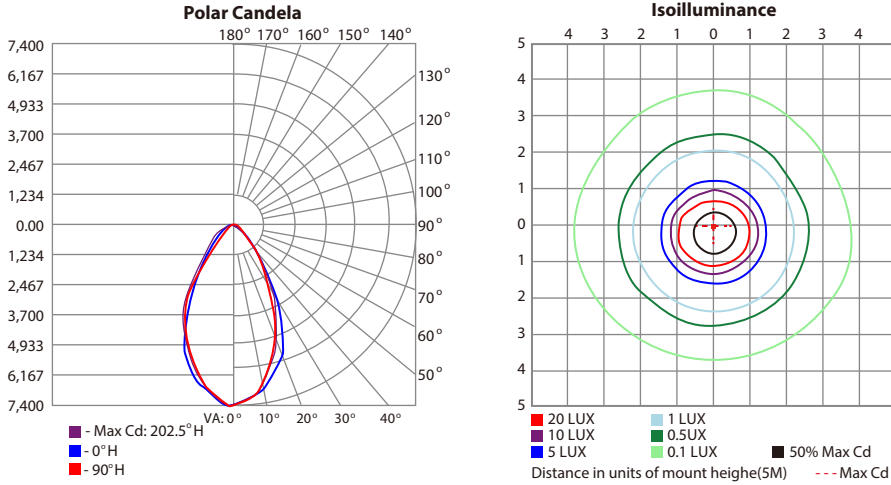


Model Number	Optic	NEMA Type	Output
FLFZ-35W-T1	90°	7H x 6V	4674.6

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

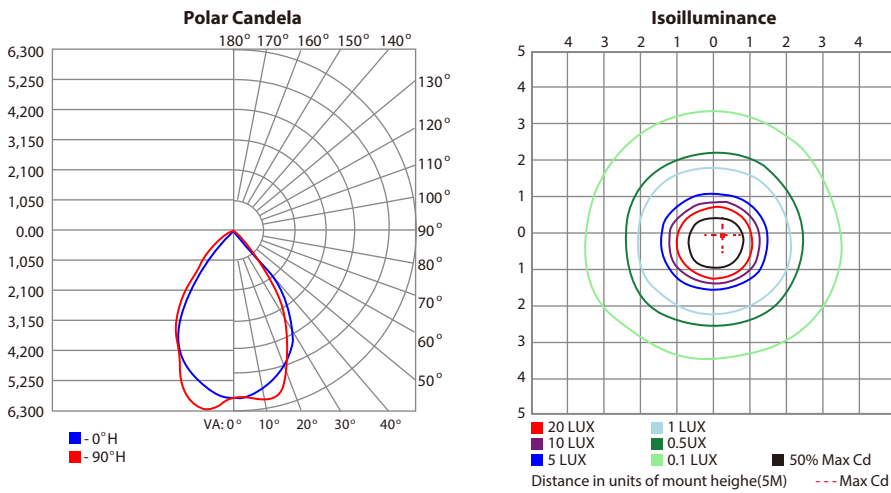
PHOTOMETRIC SPECIFICATIONS

FLFZ-60W-T1 Setting at 3000K 55° 120V



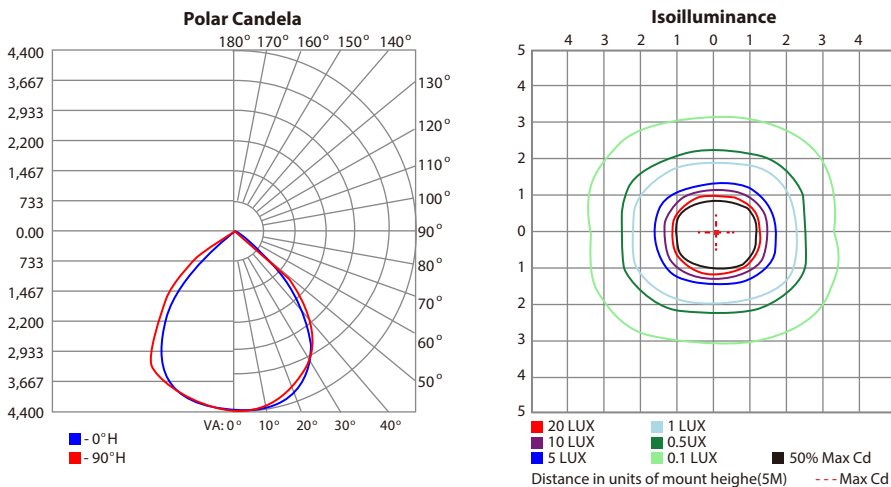
Model Number	Optic	NEMA Type	Output
FLFZ-60W-T1	55°	6H x 6V	8069.2

FLFZ-60W-T1 Setting at 3000K 75° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-60W-T1	75°	6H x 6V	8368.8

FLFZ-60W-T1 Setting at 3000K 90° 120V

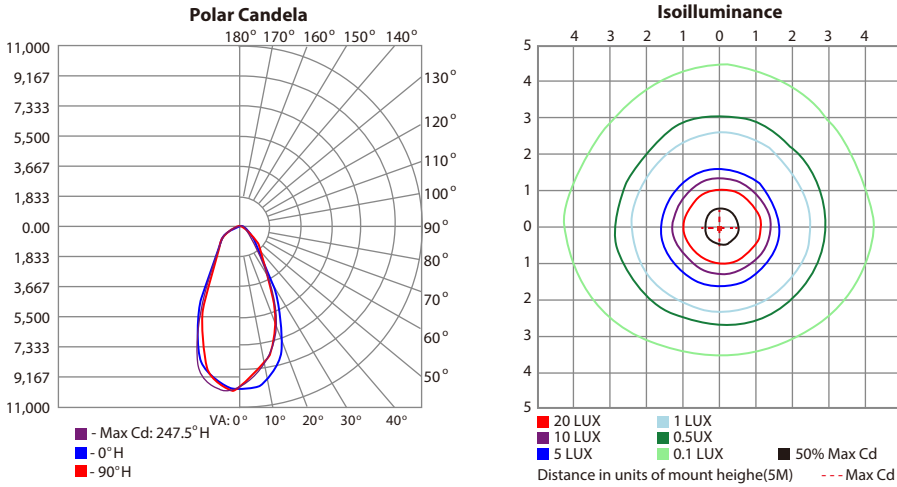


Model Number	Optic	NEMA Type	Output
FLFZ-60W-T1	90°	6H x 6V	8622.5

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

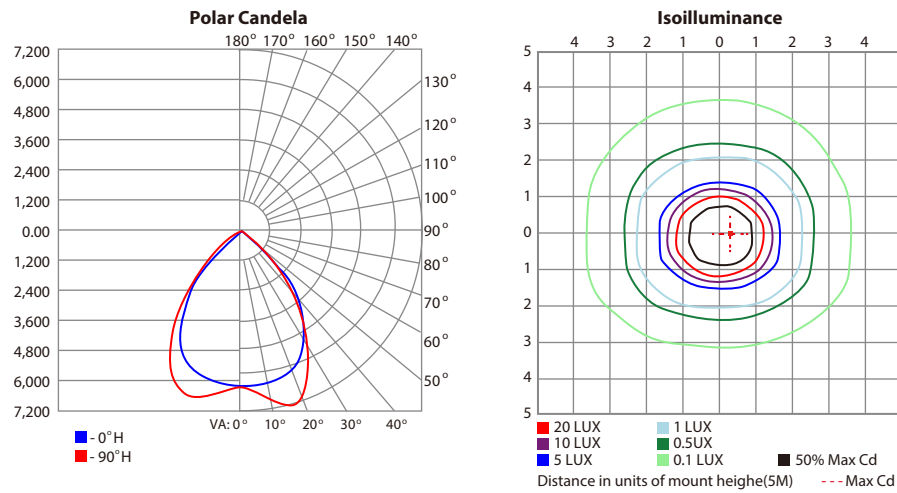
PHOTOMETRIC SPECIFICATIONS

FLFZ-80W-T1 Setting at 3000K 55° 120V



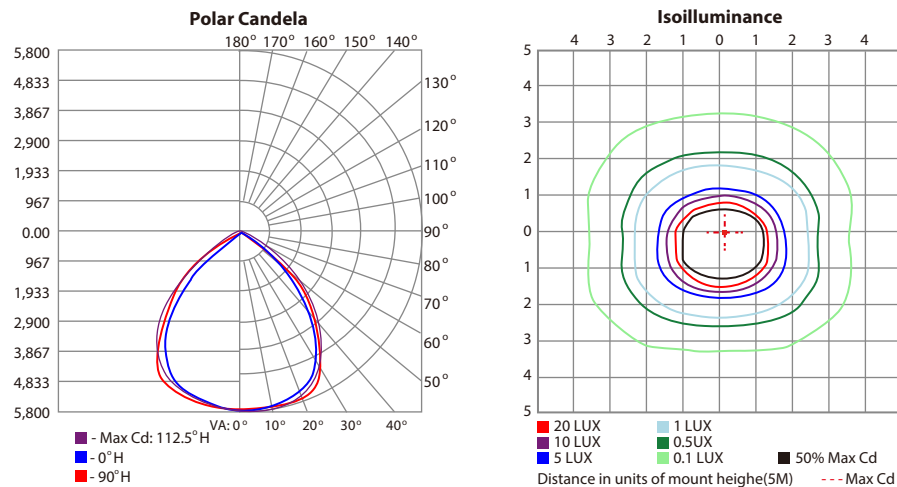
Model Number	Optic	NEMA Type	Output
FLFZ-80W-T1	55°	6H x 6V	10234

FLFZ-80W-T1 Setting at 3000K 75° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-80W-T1	75°	6H x 6V	11355.4

FLFZ-80W-T1 Setting at 3000K 90° 120V

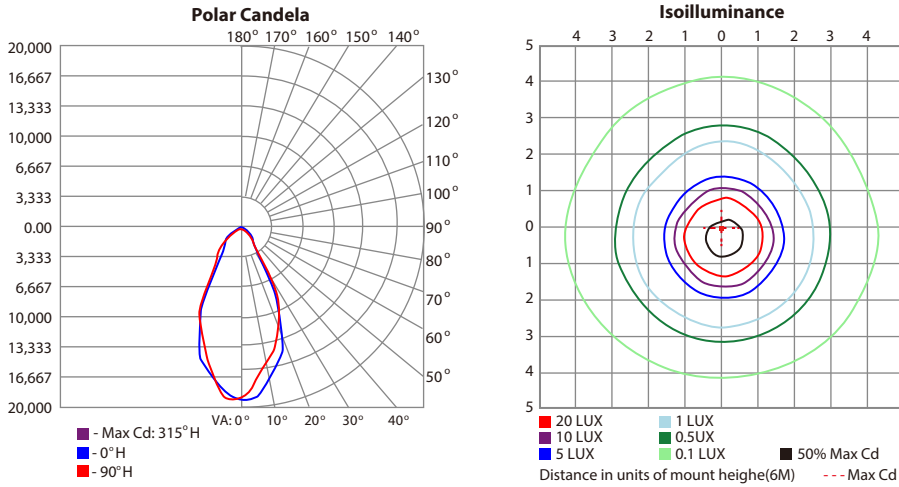


Model Number	Optic	NEMA Type	Output
FLFZ-80W-T1	90°	7H x 6V	11558.2

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

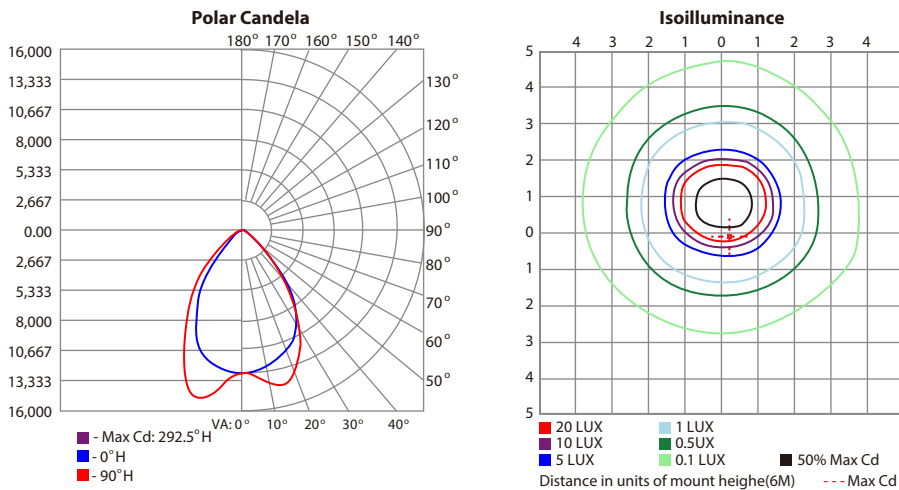
PHOTOMETRIC SPECIFICATIONS

FLFZ-150W-T1 Setting at 3000K 55° 120V



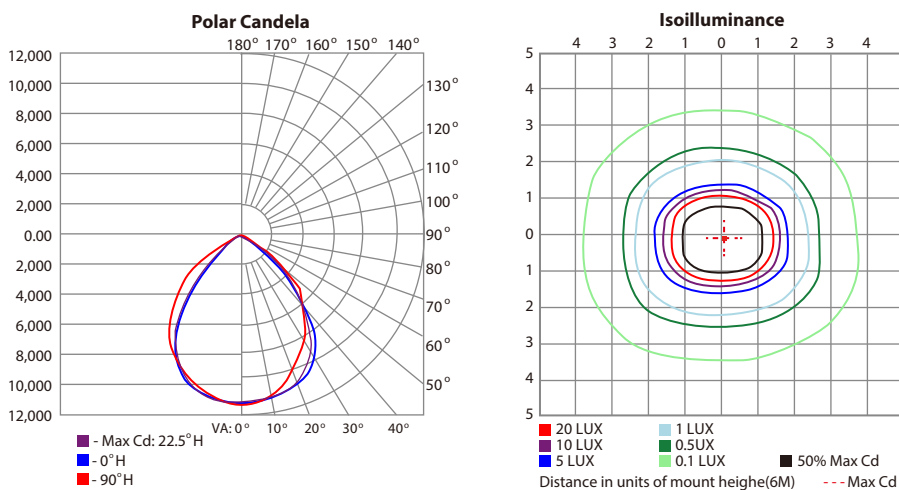
Model Number	Optic	NEMA Type	Output
FLFZ-150W-T1	55°	6H x 6V	18366.3

FLFZ-150W-T1 Setting at 3000K 75° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-150W-T1	75°	6H x 5V	20761.3

FLFZ-150W-T1 Setting at 3000K 90° 120V



Model Number	Optic	NEMA Type	Output
FLFZ-150W-T1	90°	7H x 6V	21352.2

FORZA
BEAM ANGLE ADJUSTABLE FLOODLIGHT

ADDITIONAL ACCESSORIES (SOLD SEPARATELY)

ATG CODE	MODEL NUMBER	DESCRIPTION
KN	MKN-FLFZ-01	Knuckle mount for 20W/35W/60W/80W
SF1	MSF-FLFZ-01	Slipfitter for 150W/320W
SF2	MSF-FLFZ-02	Slipfitter for 500W
TN1	MTN-FLFZ-01	Trunnion mount for 20W/35W/60W
TN2	MTN-FLFZ-02	Trunnion mount for 80W/150W
TN3	MTN-FLFZ-03	Trunnion mount for 320W
TN4	MTN-FLFZ-04	Trunnion mount for 500W
YK1	MUB-FLFZ-01	Yoke mount/U-Bracket for 20W
YK2	MUB-FLFZ-02	Yoke mount/U-Bracket for 35W
YK3	MUB-FLFZ-03	Yoke mount/U-Bracket for 60W
YK4	MUB-FLFZ-04	Yoke mount/U-Bracket for 80W
YK5	MUB-FLFZ-05	Yoke mount/U-Bracket for 150W
YK6	MUB-FLFZ-06	Yoke mount/U-Bracket for 320W
YK7	MUB-FLFZ-07	Yoke mount/U-Bracket for 500W

ORDER FORMAT

Series	Wattage	CCT	Input	Finish	Mounting&Control&Options
FLFZ					
FLFZ	20W 35W 60W 80W 150W 320W 500W	T1= 3000K/4000K /5000K Selectable	Blank= 120-277VAC -V= 347-480VAC	-Blank =Bronze -W =White -B =Black	MSF= Slipfitter MKN= Knuckle Mount MTN= Trunnion Mount MUB= Yoke mount/U-Bracket Px= Photocell 10SP= 10KV SPD 20SP= 20KV SPD