

FL02 Series Flood Light

Outdoor Pole/Arm-Mounted Area & Roadway

OVERVIEW

Wattage (W)	50W, 100W, 150W, 200W, 300W
Lumen Package (lm)	Up to 42,000 lm
Color Temperature (CCT)	4000K, 5000K
Efficacy (lm/W)	140 lm/W



DETAILS

This LED Flood Light is offered in five different sizes, featuring wattages that range from 50W to 300W, catering to a wide range of applications. Its diverse selection of light distribution options makes it exceptionally versatile, ideal for various purposes such as illuminating stadiums and billboards.

KEY FEATURES

- Lumen Output Up to 42,000 lm
- Wide choice of optics to suit more applications
- External vent to avoid internal fogging
- Bracket or Pole Mount Options
- IP66 & IK08 double protection

APPLICATIONS

- Outdoor Parking Lot
- Exhibition Center
- Shopping Mall
- Accent Lighting
- Building External Area
- Walkways Between Buildings
- Sports Arena Exterior
- Tennis Courts/Basketball Courts



300W



200W



150W



100W



50W

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SPECIFICATIONS

Wattage & Lumens	50W, 7,000 lumens 100W, 14,000 lumens 150W, 21,000 lumens 200W, 28,000 lumens 300W, 42,000 lumens
Efficacy	140 lm/W
CCT	4000K, 5000K
CRI (Ra)	70
Controls	0-10V Dimming
Input Voltage	100-277VAC, 50/60Hz
Power Supply	SOSEN
Driver Type	Constant Current (CC)
Power Factor	>0.92
LED Type	LED 3030
Average Lifetime	L90: 40,000 hours L80: 83,000 hours L70: 132,000 hours
Beam Angle	No optics: 120° Optics: 60°, 30°, 15°, FN = 30°x60° (polarized 10°), FM= 65°x120° (polarized 55°), and FW=65°x120° (polarized 10°)
Mounting	Bracket Mounting, Pole Mounting, Clamp Bracket Mounting
Operating Temperature	-30°C to +50°C (-22°F to +122°F)
Material	Aluminum Alloy, Tempered Glass, Polycarbonate Optical Lens
Fixture Color	Black
Finish	Powder Coating
EPA	50W: 0.72 ft ² 100W: 1.29 ft ² 150W: 1.46 ft ² 200W: 1.93 ft ² 300W: 2.61 ft ²
Surge Protection	6kV line-line, 10kV line-earth
IP Rating	IP66
IK Rating	IK08
Certifications	DLC, ETL
Warranty	5 Years

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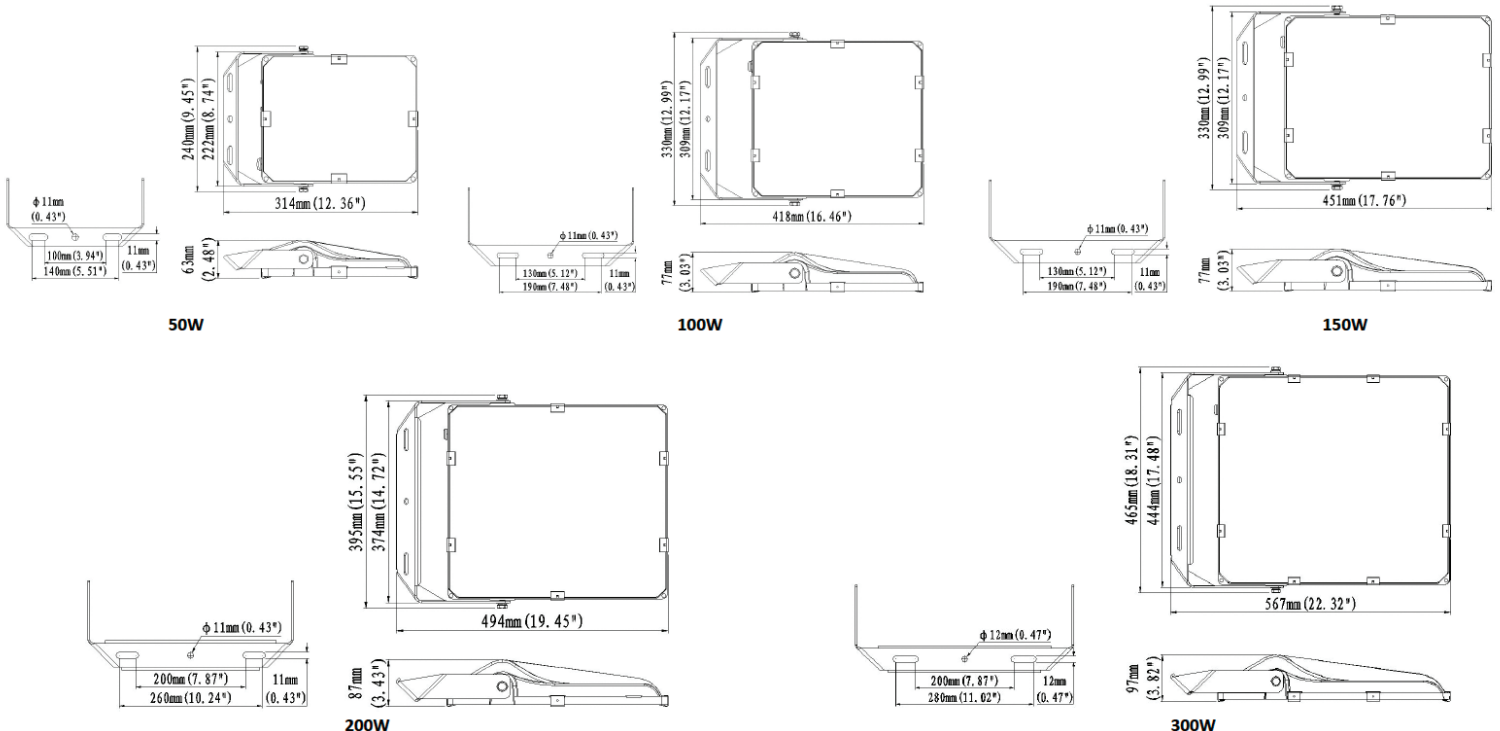
ORDERING GUIDE

 Example: **LLTVFL02-050D-40**

SKU Root	Wattage / Lumens	Driver Type	CCT	Beam Angle
LLTVFL02-	050 - 50W, 7,000 lumens 100 - 100W, 14,000 lumens 150 - 150W, 21,000 lumens 200 - 200W, 28,000 lumens 300 - 300W, 42,000 lumens	D - 0-10V Dimming	-40 - 4000K -50 - 5000K	Blank - 120° -60 - 60° -30 - 30° -15 - 15° -FN - 30° x 60° -FM - 65° x 120° -FW - 65° x 120°

PRODUCT DIMENSIONS

DIMENSIONS	50W	100W	150W	200W	300W
Product Dimension	314 x 240 x 63 mm (12.36" x 9.45" x 2.5")	418 x 330 x 77 mm (16.46" x 13" x 3.03")	451 x 330 x 77 mm (17.76" x 13" x 3.03")	494 x 395 x 87 mm (19.45" x 15.55" x 3.43")	567 x 465 x 97 mm (22.32" x 18.31" x 3.82")
Luminaire Net Weight	2.6±0.3kg (5.73±0.66 lbs)	3.9±0.3kg (8.6±0.66 lbs)	4.5±0.3kg (9.92±0.66 lbs)	6.3±0.3kg (13.89±0.66 lbs)	9.5±0.3kg (20.94±0.66 lbs)
Export Carton Size	364 x 105 x 280 mm (14.33" x 4.13" x 11.02")	474 x 120 x 368 mm (18.66" x 4.72" x 14.49")	516 x 130 x 368 mm (20.31" x 5.12" x 14.49")	568 x 140 x 430 mm (22.36" x 5.51" x 16.93")	652 x 160 x 510 mm (25.67" x 6.3" x 20.08")
Gross Weight	2.9±0.3kg (6.39±0.66 lbs)	4.5±0.3kg (9.92±0.66 lbs)	5.2±0.3kg (11.46±0.66 lbs)	7.2±0.3kg (15.87±0.66 lbs)	10.6±0.3kg (23.37±0.66 lbs)



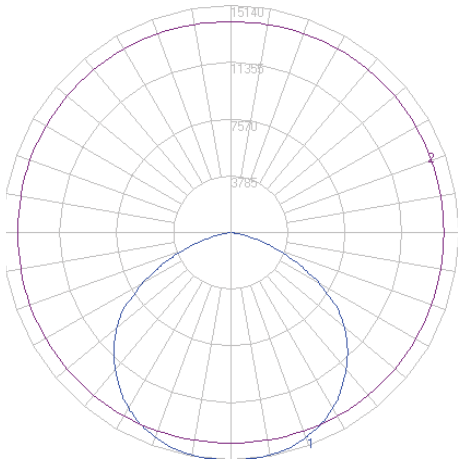
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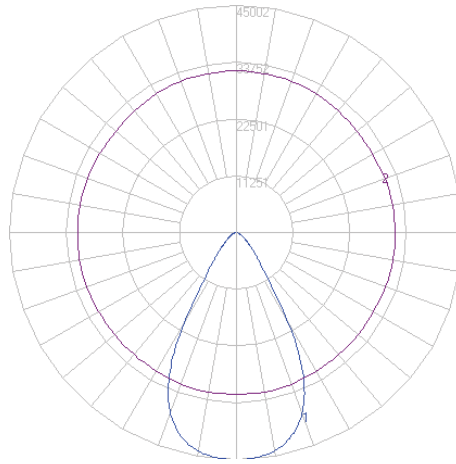
PERFORMANCE

Model	CRI	Wattage	Lumens	Efficacy
LLTFL02-050D-XX	70	50	7,000	140
LLTFL02-100D-XX	70	100	14,000	140
LLTFL02-150D-XX	70	150	21,000	140
LLTFL02-200D-XX	70	200	28,000	140
LLTFL02-300D-XX	70	300	42,000	140

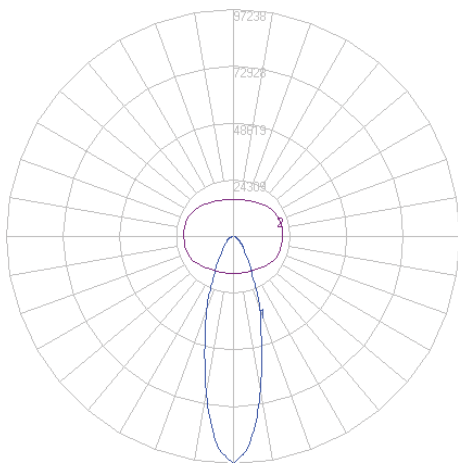
PHOTOMETRICS



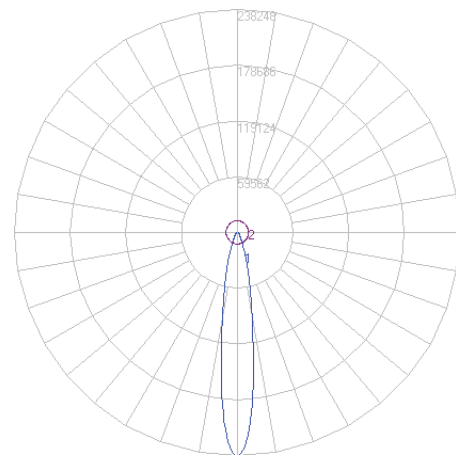
120° (Standard)
Housing with existing glass cover
and no optics



60°



30°

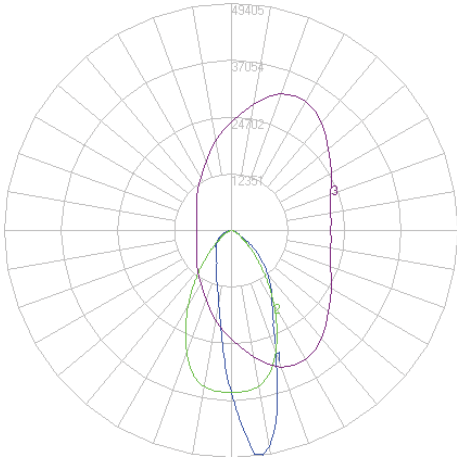


15°

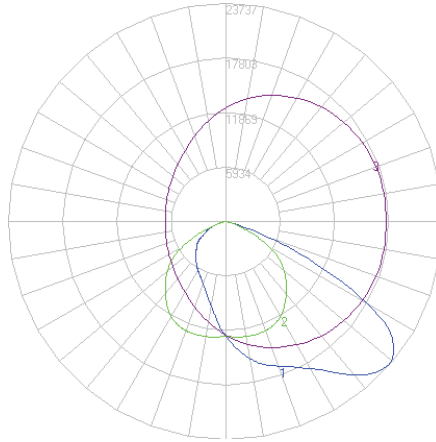
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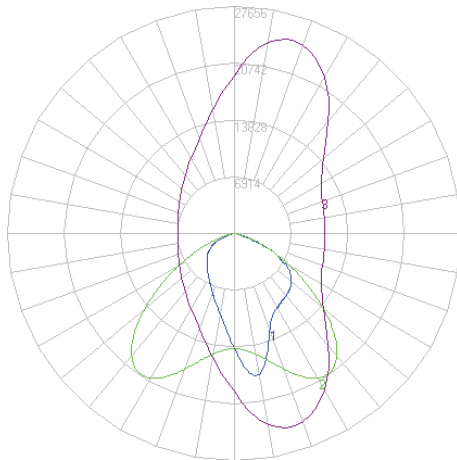
PHOTOMETRICS (CONT'D)



FN = 30°x60° (polarized 10°)



FM = 65°x120° (polarized 55°)



FW = 65°x120° (polarized 10°)

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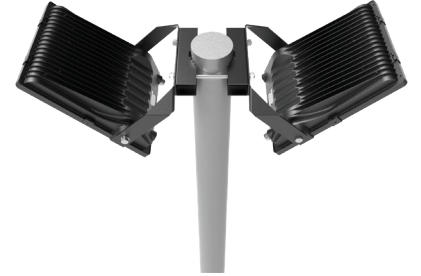
MOUNTING



Bracket Mounting



Pole Mounting



Clamp Bracket Mounting

ACCESSORIES

SKU	Description	Image
LLTAMPA-BKP42MM LLTAMPA-BKP60MM LLTAMPA-BKP76MM	Pole Mounting Adapter (42 mm, 60 mm, 76 mm)	
LLTAMCPA-BKP100MM LLTAMCPA-BKP150MM	Clamp Mount Bracket SPCC materials, for dia. 40mm-100mm or 40mm-150mm pole	
LLTAFLO2-WG050 LLTAFLO2-WG100 LLTAFLO2-WG150 LLTAFLO2-WG200 LLTAFLO2-WG300	Wire Guard for 50W, 100W, 150W, 200W, 300W	