

ESPL Series

Sports Lighter LED Floodlight



Project Name _____

Date _____ Type _____

Notes _____

- The Evolve ESPL LED sports lighter is designed to replace legacy 1500W HID systems one-for-one, with better uniformity and superior lumen maintenance, providing over 50% energy savings with improved light levels
- Ideal for municipal sports fields, large area lighting, and other applications requiring high light levels
- Superior efficacy ranging from 135 to 153 LPW
- Available in three beam spreads - NEMA 3x3, 4x4, 5x5

CONSTRUCTION

Housing:	Die Cast Aluminum Housing
Lens:	UV Stabilized polycarbonate outer lens protects LED's
Paint:	Light Gray
Weight:	54.4lbs. (24.7kg)

OPTICAL SYSTEM

Lumens:	99,500 - 113,000
Distribution:	NEMA 3x3, 4x4, 5x5
Efficacy:	135-153 LPW
CCT:	4000K
CRI (Min):	70

ELECTRICAL

Input Voltage:	120-277V, 277-480V
Input Frequency:	50/60Hz
Power Factor:	90%
Total Harmonic Distortion:	>20%

SURGE PROTECTION*

Standard
6kA

*Per ANSI C136.2-2015

WARRANTY

5 Year (Standard)

LUMEN MAINTENANCE

Projected Lxx per IES TM-21 at 25°C

SKU	LXX(10K) @ Hours		
	25,000 HR	50,000 HR	100,000 HR
ESPL	L96	L91	L81

Note: Projected LXX based on LM80 (> 10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

AMBIENT TEMPERATURE FACTOR

Ambient Temp (°C)
-40°C to 40°C

RATINGS

Operating Temperature:	-40°C to 40°C
Vibration:	3G Vibration Rating

CONTROLS

Dimming:	0-10V Dimming Driver
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Notes _____

E S P L 01 10 7 40 S N T1 GRAY

PROD. ID	GEN	VOLTAGE	LUMEN OUTPUT	DIST.	CRI	CCT	DIMMING	CONTROLS	MOUNTING	COLOR
E = Evolve	01 = 1st Gen	0 = 120-277V	10 = 100,000	33 = NEMA 3x3	7 = 70	40 = 4000K	S = 0-10V dimming (leads in driver housing)	N = No Control	T1 = Trunnion	GRAY = Light Gray
SP = Sports		E = 277-480V		44 = NEMA 4x4						
L = Light				55 = NEMA 5x5						

ACCESSORIES

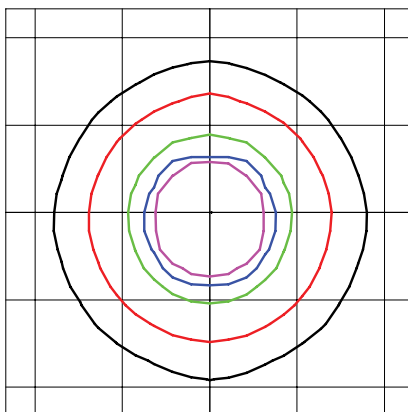
Evolve Sports Light Accessories	
TSV-ESPL-1	Top & Side Visor, Evolve Sports Light (single pack)
TSV-ESPL-10	Top & Side Visor, Evolve Sports Light (10 pack)
LSR-ESPL	Laser aiming aid, Evolve Sports Light
S1-ESPL	Slipfitter for 2-2 3/8" tenon, ESPL

Electrical Data		
Nominal Wattage	Input Voltage (V)	Operating Current (Amps)
720W	120	6.0
	240	3.0
	277	2.6
	347	2.2
	480	1.6

Beam	Output (Lumens)
NEMA 3x3	99,500
NEMA 4x4	108,000
NEMA 5x5	113,000

ESPL 01 0 33 70 40

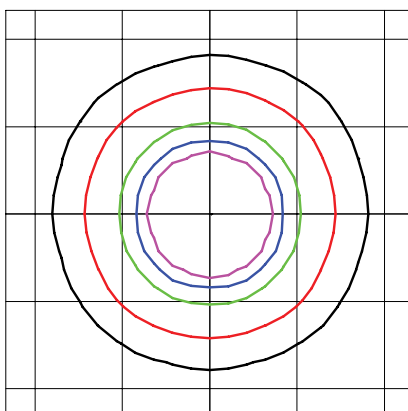
NEMA 3x3



Beam Pattern: NEMA 3x3, Beam Angle: 19° x 19°
Mounting Height: 60ft

ESPL 01 0 44 70 40

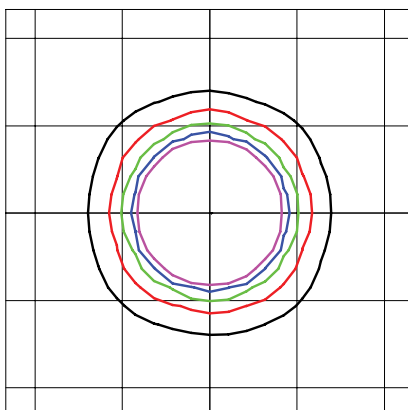
NEMA 4x4



Beam Pattern: NEMA 4x4, Beam Angle: 30° x 30°
Mounting Height: 60ft

ESPL 01 0 55 70 40

NEMA 5x5



Beam Pattern: NEMA 5x5, Beam Angle: 56° x 56°
Mounting Height: 60ft