

LANDMARKTM SERIES

PRECISION RECREATIONAL AREA LIGHTING SYSTEM

DESIGNED TO MEET IES RP-6 PERFORMANCE REQUIREMENTS

Infrastructure-grade outdoor LED for public and commercial site applications. Engineered with precision optics to maximize safety, security, and energy savings.

70W | 100W | 120W | 150W | 180W | 200W | 240W | 300W
SYSTEM CONFIGURATIONS



ETL LISTED • DLC PREMIUM • IP65 • BAA COMPLIANT

SYSTEM ENGINEERING

The Landmark Series is an LED area lighting system designed for parking facilities, campuses, roadways, and commercial outdoor environments. Precision optical distributions provide uniform site illumination while reducing glare and spill light into surrounding areas.

KEY SYSTEM ATTRIBUTES

- Multiple optical distributions for site-specific lighting design
- Controlled glare and reduced light spill for improved visual comfort
- High-efficiency LED system supporting energy savings
- Optional smart lighting control integration

PROJECT SUBMITTAL	
PROJECT NAME	
TYPE / DESIGNATION	
CATALOG NUMBER	
SUBMITTED BY	DATE
NOTES / REMARKS	

SYSTEM OVERVIEW & PERFORMANCE SUMMARY

SYSTEM OVERVIEW

The Landmark Series is a high-performance LED area lighting system engineered to meet the demanding illumination needs of parking facilities, university and corporate campuses, roadways, and a wide range of commercial outdoor environments. Designed with advanced optical technology, the system delivers precise light distributions that ensure consistent, uniform coverage across large areas while effectively minimizing glare and reducing unwanted light spill into surrounding properties and night skies.

Built for durability, the Landmark Series features rugged, weather-resistant construction capable of withstanding harsh outdoor conditions, including extreme temperatures, moisture, and environmental wear. Its high-efficiency LED components provide exceptional energy savings compared to traditional lighting systems, while also maintaining excellent lumen output and color consistency over time.

In addition to performance and reliability, the Landmark Series is designed with long-term operational efficiency in mind. Reduced maintenance requirements, extended fixture lifespan, and compatibility with modern lighting controls make it an ideal solution for municipalities, commercial developments, and infrastructure projects seeking sustainable and cost-effective lighting. Together, these features make the Landmark Series a dependable and forward-thinking choice for today's outdoor lighting applications.

SYSTEM PERFORMANCE IS ACHIEVED THROUGH COORDINATED ENGINEERING OF THERMAL MANAGEMENT AND OPTICAL DISTRIBUTION.

DESIGNED FOR FULL COMPLIANCE WITH ANSI / IES RECOMMENDED PRACTICES.

Duvon sports lighting systems are designed as integrated lighting systems rather than individual luminaires.

SYSTEM PERFORMANCE SUMMARY

ATTRIBUTE	PERFORMANCE
Typical System Efficacy	Up to 140 lm/W
Rated Life	L70 ≥ 50,000 hours
Input Voltage	100–277 V std. (277–480 V opt.)
Operating Temperature	–40°F to +122°F
Ingress Protection	IP65
Surge Protection	10 kV std. (20 kV opt.)
Warranty	5-years

APPLICATIONS & DESIGN SUPPORT



PRIMARY APPLICATIONS

INDUSTRIAL & LOGISTICS FACILITIES

Parking lots and parking structures, campus and municipal lighting, parks and recreation facilities, retail and commercial sites

INDOOR SPORTS & RECREATION FACILITIES

Local roadways and access drives, walkways and pedestrian paths, perimeter security lighting, loading docks and staging areas

ENGINEERING & DESIGN SUPPORT

Duvon provides lighting design support including luminaire selection, mounting configuration, and photometric verification.

Services include:

- AGi32 photometric layouts
- Pole height recommendations
- Mounting option recommendations
- Fixture aiming diagrams
- IES photometric files

These services assist architects, engineers, and municipalities in lighting design verification.

LIGHTING PERFORMANCE

REFERENCE STANDARD

Lighting performance is a function of mounting height, fixture spacing, and optical distribution. TitanBay™ luminaires are engineered to support lighting levels consistent with the following ANSI/IES recommended practices:

ANSI/IES RP-7 — Industrial Lighting

ANSI/IES RP-6 — Sports and Recreational Area Lighting

APPLICATION	IES RECOMMENDED (AVG. MAINTAINED)	TYPICAL DESIGN TARGET
High-Bay Warehouses / Distribution	10–30 fc	20–30 fc
Logistics & Fulfillment Facilities	20–40 fc	30–40 fc
Manufacturing (General Assembly)	30–50 fc	40–50 fc
Manufacturing (Precision / Inspection)	50–100 fc	60–80 fc
Gymnasiums — Recreational (Class IV)	20–30 fc	30 fc
Indoor Sports Training (Class III)	30–50 fc	50 fc
Competitive Indoor Sports (Class II)	50–75 fc	60–75 fc
Collegiate / Tournament (Class I)	75–100 fc	80–100 fc

Typical lighting designs using Duvon luminaires target uniformity ratios between 1.5:1 and 3:1 depending on mounting height, optical distribution, and fixture layout. Final illumination levels and uniformity should be verified through project-specific photometric analysis.

TYPICAL SPACING GUIDANCE

Fixture spacing is commonly evaluated using the spacing-to-mounting-height ratio (S/MH). For round high-bay luminaires with wide optical distributions, typical S/MH ratios range between 1.2 and 1.5.

MOUNTING HEIGHT	TYPICAL FIXTURE SPACING
15 ft	15–20 ft
20 ft	20–25 ft
25 ft	25–32 ft
30 ft and above	30–40 ft

Final fixture layout and uniformity should be verified using AGi32 photometric analysis.

OPTICAL DISTRIBUTIONS

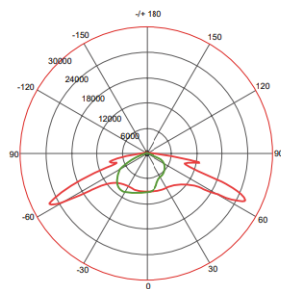


Chart 2: Isocandela Plot
AVERAGE BEAM ANGLE(50%): 140.8 DEG
C0/180, 165.5
C90/270, 118.1

TYPE III

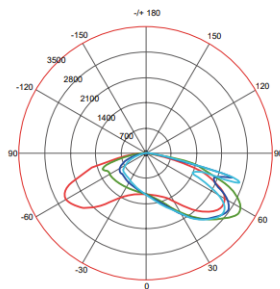


Chart 2: Isocandela Plot
AVERAGE BEAM ANGLE(50%): 104.0 DEG
C0/180, 159.6
C30/210, 55.6
C60/240, 63.2
C90/270, 137.6

TYPE IV

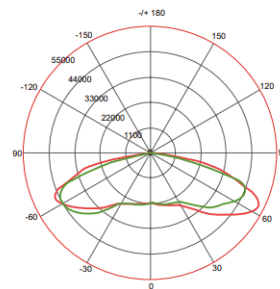


Chart 2: Isocandela Plot
AVERAGE BEAM ANGLE(50%): 162.0 DEG
C0/180, 165.7
C90/270, 158.3

TYPE V

OPTICAL TYPE	SHAPE	TYPICAL PLACEMENT	BEST USE CASE
TYPE III	Wide Oval	Side of area	Wide roads, parking lots
TYPE IV	Forward Throw	Edge/Wall	Building perimeters
TYPE V	360° Circular/Square	Center of area	Middle of parking lots

OPTICAL DESIGN

Type III (Wide Asymmetric)

This distribution provides a wide lateral spread and moderate forward throw, making it the standard choice for general roadway and parking area illumination. It is designed for fixtures mounted near the side of the area to be lit, effectively filling the space between poles with uniform light

Type IV (Forward Throw)

Type IV optics produce a semicircular pattern that pushes light significantly further forward while strictly minimizing backlight behind the pole. This is the ideal solution for lighting wide perimeters or building facades where light must reach deep into a lot without spilling onto neighboring properties.

Type V (Symmetrical)

This pattern distributes light with equal intensity in a full 360-degree circle or square around the fixture. It is specifically intended for mounting in the center of large open spaces, such as parking lot islands or plazas, to provide consistent, omnidirectional coverage.

ELECTRICAL & MECHANICAL SPECIFICATIONS

LUMEN OUTPUT

MODEL	WATTS	LUMEN OUTPUT
LANDMARK-70	70 W	9,800 lm
LANDMARK-100	100 W	14,000 lm
LANDMARK-120	120 W	16,800 lm
LANDMARK-150	150 W	21,000 lm
LANDMARK-180	180 W	25,200 lm
LANDMARK-200	200 W	28,000 lm
LANDMARK-240	240 W	33,600 lm
LANDMARK-300	300 W	42,000 lm

TYPICAL SYSTEM EFFICACY

140 lm/W

Depending on wattage, CCT, and driver configuration.

AVAILABLE CCT OPTIONS

4000K | 5000K | 5700K

INPUT CURRENT (AMPERAGE)

VOLTAGE	70W	100W	150W	200W	240W	300W
120V	0.58 A	0.83 A	1.25 A	1.67 A	2.00 A	2.50 A
208V	0.34 A	0.48 A	0.72 A	0.96 A	1.15 A	1.44 A
240V	0.29 A	0.42 A	0.63 A	0.83 A	1.00 A	1.25 A
480V	0.15 A	0.21 A	0.31 A	0.42 A	0.50 A	0.63 A

Input current values are nominal. Final branch circuit sizing shall be verified in accordance with NEC and project requirements.

ELECTRICAL CHARACTERISTICS

ATTRIBUTE	SPECIFICATION
Input Voltage	100–277 V std. (277–480 V opt.)
Driver Type	Constant Current LED Driver
Surge Protection	10 kV std. (20 kV opt.)
Dimming	0–10V compatible
LED Lifetime	L70 ≥ 100,000 hours
CRI	70 std. (80 or 90 opt.)

MECHANICAL CONSTRUCTION

COMPONENT	SPECIFICATION
Housing	Die-cast aluminum
Finish	Polyester powder coating

FINISH COLORS

- White (std.)
- Bronze

MOUNTING OPTIONS

Yoke Mount (Optional)

Heavy-duty adjustable yoke bracket for secure surface mounting with flexible aiming capability.

Arm Mount 1 – Rotational (Optional)

Extended arm mount with integrated rotation feature for precise directional adjustment after installation.

Arm Mount 2 – Static (Optional)

Fixed arm mount designed for rigid installations where no post-installation adjustment is required.

Slip Fitter (Optional)

Pole-top slip fitter mount designed for quick installation onto standard tenon poles with adjustable tilt.

Trunnion Mount (Optional)

Robust trunnion bracket for stable mounting with adjustable tilt for accurate fixture positioning.

MECHANICAL DATA (LUMINAIRE HEAD ONLY)

LENGTH	WIDTH	HEIGHT	WEIGHT
23.3 in	15.6 in	4 in	24.94 lbs

NOTES

Fixture dimensions remain consistent across wattage models due to the shared die-cast housing platform. Weight variation reflects driver configuration and internal electrical components.

ENVIRONMENTAL RATINGS

COMPONENT	SPECIFICATION
Operating Temp	–40°F to +122°F
Ingress Protection	IP65
Warranty	5-years

SYSTEM CONTROLS

Lanfmark luminaires support integration with building lighting control systems.

Compatible devices may include:

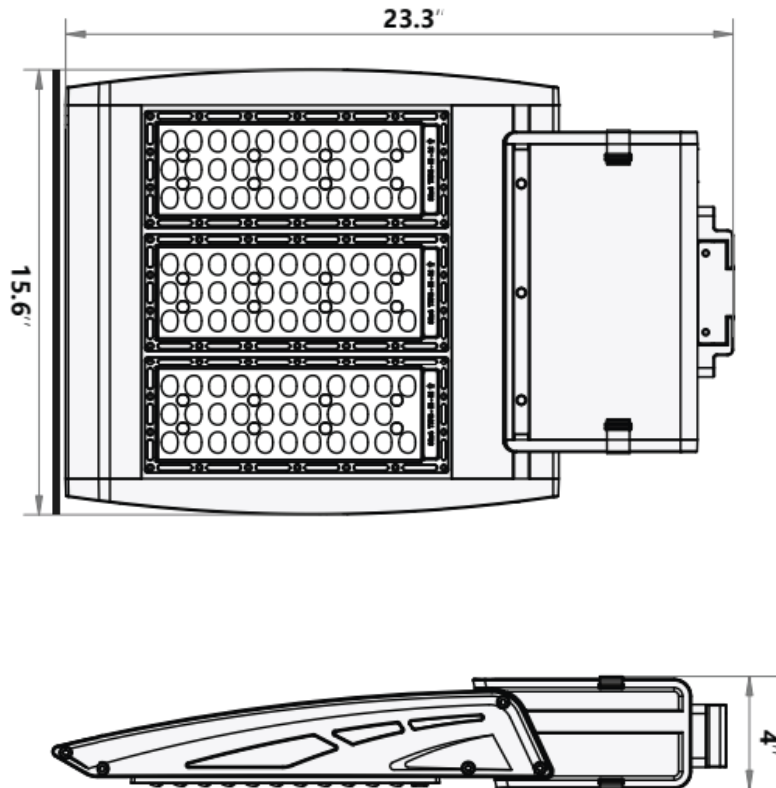
- Occupancy sensors
- Wireless lighting controls
- Building lighting management systems

Control features may include:

- Remote on/off operation
- Scheduled lighting control
- Dimming capability
- Energy monitoring

Control configuration depends on project requirements.

DIMENSIONAL DATA



ORDERING INFORMATION & SUBMITTAL SCHEDULE

MODEL SELECTION BUILDER

MODEL	WATTS	CCT	CRI	OPTIC	VOLTAGE	MOUNT	FINISH	OPTIONS
LANDMARK	70	40K	70	A	STD	YK	WHT	MS
	100					AM1		PC
	120					AM2		3P
	150					SF		7P
	180	50K	80	B	HV	TR	BRZ	
	200							
	240							
	300							

Bold values indicate standard configuration.

CATALOG NUMBER EXAMPLE LANDMARK-150-50K-70-A-STD-AM1-WHT-MS

CONFIGURATION CODES

CCT

40K = 4000K
50K = 5000K
57K = 5700K

OPTICS

A = TYPE III
B = TYPE IV
B = TYPE V

VOLTAGE

STD = 100-277V
HV = 277-480V

FINISH

WHT = WHITE
BRZ = BRONZE

MOUNT

YK = YOKE MOUNT
AM1 = ARM (ROTATION)
AM2 = ARM (STATIC)
SF = SLIP FITTER
TR = TRUNNION

OPTIONS

MS = MOTION SENSOR
PC = PHOTOCELL
3P = 3PIN
7P = 7PIN

FIXTURE SCHEDULE		
TYPE	CATALOG NUMBER	QTY

Final configuration shall be verified against project-specific electrical and photometric requirements.

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LANDMARK™ SERIES
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE