GlareX
Stadium Flood Light

Product Description

IKIO's GlareX Stadium Flood Light is uniquely designed with Optimum Light Management (OLM) technology, incorporating louvered, multi-faceted optics and anti-glare visors.This combination ensures optical precision and enhanced visibility, allowing players to effortlessly track aerial balls while providing spectators with a strain-free viewing experience. GlareX delivers focused light output exactly where needed, minimizing light spill immensely. Additionally, the vacuum-aluminized reflector achieves over 97% reflectivity, by enhancing visual clarity.

Product Features

- Delivers up to 150000lm for powerful and uniform illumination across large arenas.
- Designed with a low glare rating (≤ 30GR), it minimizes glare and enhances visual comfort.
- Standard 10kV surge protection with optional 20kV safeguards the fixture against electrical surges.
- With an IP66 rating, the luminaire is built for durability in wet locations and harsh weather conditions.
- 0-10V dimming provides precise control over light output, allowing customizable lighting levels for different applications.
- Sturdy construction features a die-cast aluminum housing, polycarbonate lens, and a powder-coated finish, ensuring resistance to corrosion and longevity.
- Available in multiple mounting options for your project-specific needs.

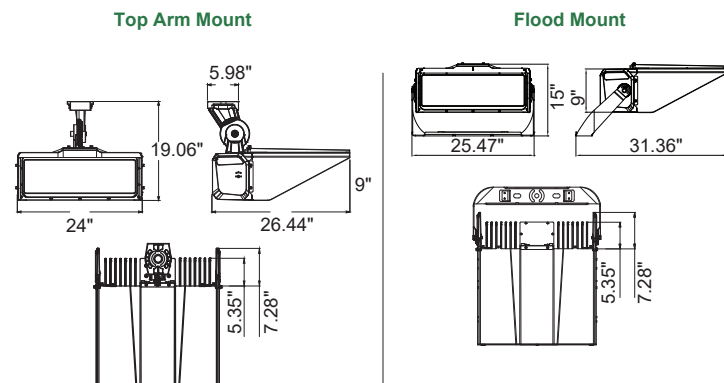## Application Areas

Stadiums and Sports Venues, Gymnasiums, Plazas, Airports, Courtyards, Public Areas, Ports and more.

Mounting Options

Top Arm
Mount Bracket

Flood
Mount Bracket

Dimensions Diagrams

IK-GSFL-800W (800W)

Top Arm Mount

5.98"
19.06"
24"
26.44"
9"
5.35"
7.28"

Flood Mount

15"
9"
25.47"
31.36"
5.35"
7.28"

IK-GSFL-1200W (1200W)

Top Arm Mount

5.98"
19.06"
24"
26.44"
9"
7.28"

Flood Mount

14.69"
9"
25.47"
31.36"
14.69"

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GlareX Stadium Flood Light

Technical Data Sheet

IKIO LED LIGHTING

Technical Specifications

Power	800W	1200W	**Protection Against Electric**	Class I
Voltage	120-277V	277-480V	**Intelligent Control**	D4i, DALI 2.0, DMX (Optional)
Current	3.21A, 1.85A	4.81A, 2.78A	**Operating Temperature**	-22ºF ~ +122ºF
Power Factor	≥0.90	**Suitable Location**	**WET**
Total Harmonic Distortion (THD)	≤10%	**Ingress Protection Rating** (IP)	IP66
Percent Flicker (%)	<1%	**Impact Protection Rating** (IK)	IK08
Surge Protection	10kV *(Optional- 20kV)*	**Average Life (Hours)**	100,000H (L90B50 @77°F)
Lumen	100000lm	150000lm	**Warranty** (Years)	**10** *(Optional- 15, 20 & 25 Years)*
Efficacy	125lm/W	**LED Light Source**	Osram SMD3030
Color Temperature (CCT)	3000K / 4000K / 5000K / 5700K / 6500K	**Driver**	Inventronics, PowerLand, UpowerTek
Color Rendering (CRI)	70	**Housing**	Die-cast Aluminum
R9 (Red Value)	-36	**Finish**	Gray (Powder Coated)
R13 (Skin Tones)	85	**Lens**	Polycarbonate+Glass
Beam angle	15°	20°	25°	40°	**Structure**	Die-casting/High Thermal Conductivity AL
Dimmable Lighting Control	0-10V Dimming	**Glare Rating**	≤30
BUG Rating (Backlight, Uplight, and Glare)	B5-U3-G1	**Light Distribution**	Type I, Very Short
Diffuser	Clear	**Qualified Part Number**	DLC (In-Process)

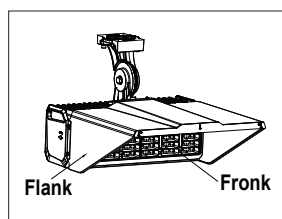*Note: DMX controls can be added (optional) to this fixture for dynamic lighting flexibility.*

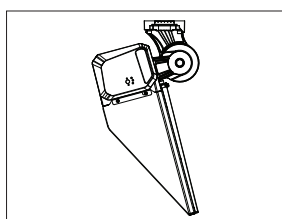## Technical Specifications

Effective Projected Area (EPA) 800W				
	15°	30°	60°	90°
Direction	Flank	Flank	Flank	Flank
Maximum projected (m²)	0.12	0.12	0.12	0.12
EPA (ft²)	1.55	1.55	1.55	1.55

Effective Projected Area (EPA) 1200W				
	15°	30°	60°	90°
Direction	Flank	Flank	Flank	Flank
Maximum projected (m²)	0.12	0.12	0.12	0.12
EPA (ft²)	1.55	1.55	1.55	1.55

| Fixture | 15° | 30° | 60° | 90° |

GlareX Stadium Flood Light
Technical Data Sheet

IKIO LED LIGHTING
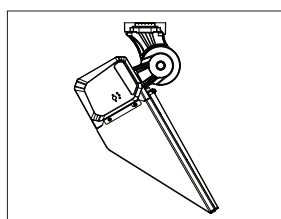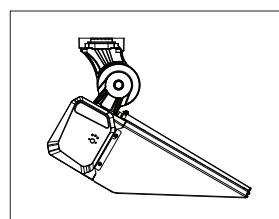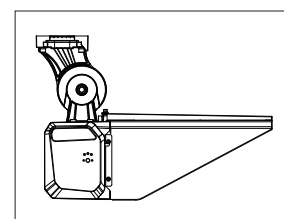
Ordering Information: *Typical order example: IK-GSFL-800W-50K-MV-GR-15D-SH-10SP-TAM*

IK	GSFL	POWER	CCT		VOLTAGE	GR FINISH	BEAM ANGLE	SH ACCESSORIES	SURGE PROTECTION	MOUNTING OPTIONS
IK *IKIO*	**GSFL** *GlareX Stadium Flood Light*	☐ **800W** ☐ **1200W**	☐ **30K** *3000K* ☐ **50K** *5000K* ☐ **65K** *6500K*	☐ **40K** *4000K* ☐ **57K** *5700K*	☐ **MV** *100-277V* ☐ **HV** *277-480V*	☐ **GR** *Gray*	☐ **15D** *15°* ☐ **20D** *20°* ☐ **25D** *25°* ☐ **40D** *40°*	☐ **SH** *Shield*	☐ **10SP** *100-277V* ☐ **20SP** *277-480V*	☐ **TAM** *Top Arm Mount Bracket* ☐ **FMED** *Flood Mount Bracket with External Driver* ☐ **FM** *Flood Mount Bracket*

Ordering Part No.	Product SKU	Power	Voltage	Lumens	Efficacy	CCT	Beam Angle	Mounting Options
IK-GSFL-800W-50K-MV-GR-15D-SH-10SP-TAM	662187540818	**800W**	120-277V	100000lm	125lm/W	5000K	15°	Top Arm Mount Bracket
IK-GSFL-800W-50K-MV-GR-20D-SH-10SP-TAM	662187511405	**800W**	120-277V	100000lm	125lm/W	5000K	20°	Top Arm Mount Bracket
IK-GSFL-800W-50K-MV-GR-25D-SH-10SP-TAM	662187540825	**800W**	120-277V	100000lm	125lm/W	5000K	25°	Top Arm Mount Bracket
IK-GSFL-800W-50K-MV-GR-40D-SH-10SP-TAM	662187540832	**800W**	120-277V	100000lm	125lm/W	5000K	40°	Top Arm Mount Bracket
IK-GSFL-800W-50K-MV-GR-15D-SH-10SP-FM	662187540849	**800W**	120-277V	100000lm	125lm/W	5000K	15°	Flood Mount Bracket
IK-GSFL-800W-50K-MV-GR-20D-SH-10SP-FM	662187540856	**800W**	120-277V	100000lm	125lm/W	5000K	20°	Flood Mount Bracket
IK-GSFL-800W-50K-MV-GR-25D-SH-10SP-FM	662187540863	**800W**	120-277V	100000lm	125lm/W	5000K	25°	Flood Mount Bracket
IK-GSFL-800W-50K-MV-GR-40D-SH-10SP-FM	662187540870	**800W**	120-277V	100000lm	125lm/W	5000K	40°	Flood Mount Bracket
IK-GSFL-800W-50K-MV-GR-15D-SH-10SP-FMED	662187540887	**800W**	120-277V	100000lm	125lm/W	5000K	15°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-MV-GR-20D-SH-10SP-FMED	662187540894	**800W**	120-277V	100000lm	125lm/W	5000K	20°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-MV-GR-25D-SH-10SP-FMED	662187540900	**800W**	120-277V	100000lm	125lm/W	5000K	25°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-MV-GR-40D-SH-10SP-FMED	662187540917	**800W**	120-277V	100000lm	125lm/W	5000K	40°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-HV-GR-15D-SH-10SP-TAM	662187540924	**800W**	277-480V	100000lm	125lm/W	5000K	15°	Top Arm Mount Bracket
IK-GSFL-800W-50K-HV-GR-20D-SH-10SP-TAM	662187511528	**800W**	277-480V	100000lm	125lm/W	5000K	20°	Top Arm Mount Bracket
IK-GSFL-800W-50K-HV-GR-25D-SH-10SP-TAM	662187540931	**800W**	277-480V	100000lm	125lm/W	5000K	25°	Top Arm Mount Bracket
IK-GSFL-800W-50K-HV-GR-40D-SH-10SP-TAM	662187540948	**800W**	277-480V	100000lm	125lm/W	5000K	40°	Top Arm Mount Bracket
IK-GSFL-800W-50K-HV-GR-15D-SH-10SP-FM	662187540955	**800W**	277-480V	100000lm	125lm/W	5000K	15°	Flood Mount Bracket
IK-GSFL-800W-50K-HV-GR-20D-SH-10SP-FM	662187540962	**800W**	277-480V	100000lm	125lm/W	5000K	20°	Flood Mount Bracket
IK-GSFL-800W-50K-HV-GR-25D-SH-10SP-FM	662187540979	**800W**	277-480V	100000lm	125lm/W	5000K	25°	Flood Mount Bracket
IK-GSFL-800W-50K-HV-GR-40D-SH-10SP-FM	662187540986	**800W**	277-480V	100000lm	125lm/W	5000K	40°	Flood Mount Bracket
IK-GSFL-800W-50K-HV-GR-15D-SH-10SP-FMED	662187540993	**800W**	277-480V	100000lm	125lm/W	5000K	15°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-HV-GR-20D-SH-10SP-FMED	662187541006	**800W**	277-480V	100000lm	125lm/W	5000K	20°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-HV-GR-25D-SH-10SP-FMED	662187541013	**800W**	277-480V	100000lm	125lm/W	5000K	25°	Flood Mount Bracket with External Driver Box
IK-GSFL-800W-50K-HV-GR-40D-SH-10SP-FMED	662187541020	**800W**	277-480V	100000lm	125lm/W	5000K	40°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-MV-GR-15D-SH-10SP-TAM	662187541167	**1200W**	120-277V	150000lm	125lm/W	5000K	15°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-MV-GR-20D-SH-10SP-TAM	662187541174	**1200W**	120-277V	150000lm	125lm/W	5000K	20°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-MV-GR-25D-SH-10SP-TAM	662187541181	**1200W**	120-277V	150000lm	125lm/W	5000K	25°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-MV-GR-40D-SH-10SP-TAM	662187541198	**1200W**	120-277V	150000lm	125lm/W	5000K	40°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-MV-GR-15D-SH-10SP-FM	662187541204	**1200W**	120-277V	150000lm	125lm/W	5000K	15°	Flood Mount Bracket
IK-GSFL-1200W-50K-MV-GR-20D-SH-10SP-FM	662187541211	**1200W**	120-277V	150000lm	125lm/W	5000K	20°	Flood Mount Bracket
IK-GSFL-1200W-50K-MV-GR-25D-SH-10SP-FM	662187541228	**1200W**	120-277V	150000lm	125lm/W	5000K	25°	Flood Mount Bracket
IK-GSFL-1200W-50K-MV-GR-40D-SH-10SP-FM	662187541235	**1200W**	120-277V	150000lm	125lm/W	5000K	40°	Flood Mount Bracket
IK-GSFL-1200W-50K-MV-GR-15D-SH-10SP-FMED	662187541242	**1200W**	120-277V	150000lm	125lm/W	5000K	15°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-MV-GR-20D-SH-10SP-FMED	662187541259	**1200W**	120-277V	150000lm	125lm/W	5000K	20°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-MV-GR-25D-SH-10SP-FMED	662187541266	**1200W**	120-277V	150000lm	125lm/W	5000K	25°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-MV-GR-40D-SH-10SP-FMED	662187541273	**1200W**	120-277V	150000lm	125lm/W	5000K	40°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-HV-GR-15D-SH-10SP-TAM	662187541280	**1200W**	277-480V	150000lm	125lm/W	5000K	15°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-HV-GR-20D-SH-10SP-TAM	662187541297	**1200W**	277-480V	150000lm	125lm/W	5000K	20°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-HV-GR-25D-SH-10SP-TAM	662187541303	**1200W**	277-480V	150000lm	125lm/W	5000K	25°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-HV-GR-40D-SH-10SP-TAM	662187541310	**1200W**	277-480V	150000lm	125lm/W	5000K	40°	Top Arm Mount Bracket
IK-GSFL-1200W-50K-HV-GR-15D-SH-10SP-FM	662187541327	**1200W**	277-480V	150000lm	125lm/W	5000K	15°	Flood Mount Bracket
IK-GSFL-1200W-50K-HV-GR-20D-SH-10SP-FM	662187541334	**1200W**	277-480V	150000lm	125lm/W	5000K	20°	Flood Mount Bracket

GlareX Stadium Flood Light

Technical Data Sheet

ikio LED LIGHTING

| Ordering Part No.	Product SKU	Power	Voltage	Lumens	Efficacy	CCT	Beam Angle	Mounting Options
IK-GSFL-1200W-50K-HV-GR-25D-SH-10SP-FM	662187541341	**1200W**	277-480V	150000lm	125lm/W	5000K	25°	Flood Mount Bracket
IK-GSFL-1200W-50K-HV-GR-40D-SH-10SP-FM	662187541358	**1200W**	277-480V	150000lm	125lm/W	5000K	40°	Flood Mount Bracket
IK-GSFL-1200W-50K-HV-GR-15D-SH-10SP-FMED	662187541365	**1200W**	277-480V	150000lm	125lm/W	5000K	15°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-HV-GR-20D-SH-10SP-FMED	662187541372	**1200W**	277-480V	150000lm	125lm/W	5000K	20°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-HV-GR-25D-SH-10SP-FMED	662187541389	**1200W**	277-480V	150000lm	125lm/W	5000K	25°	Flood Mount Bracket with External Driver Box
IK-GSFL-1200W-50K-HV-GR-40D-SH-10SP-FMED	662187541396	**1200W**	277-480V	150000lm	125lm/W	5000K	40°	Flood Mount Bracket with External Driver Box

Download

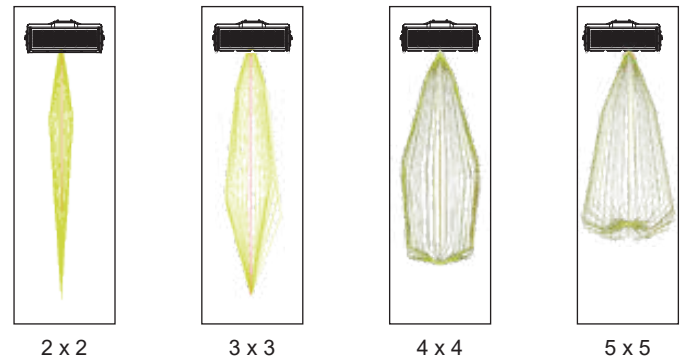Installation Instructions ⤓   IES Files ⤓   LM80 Report ⤓
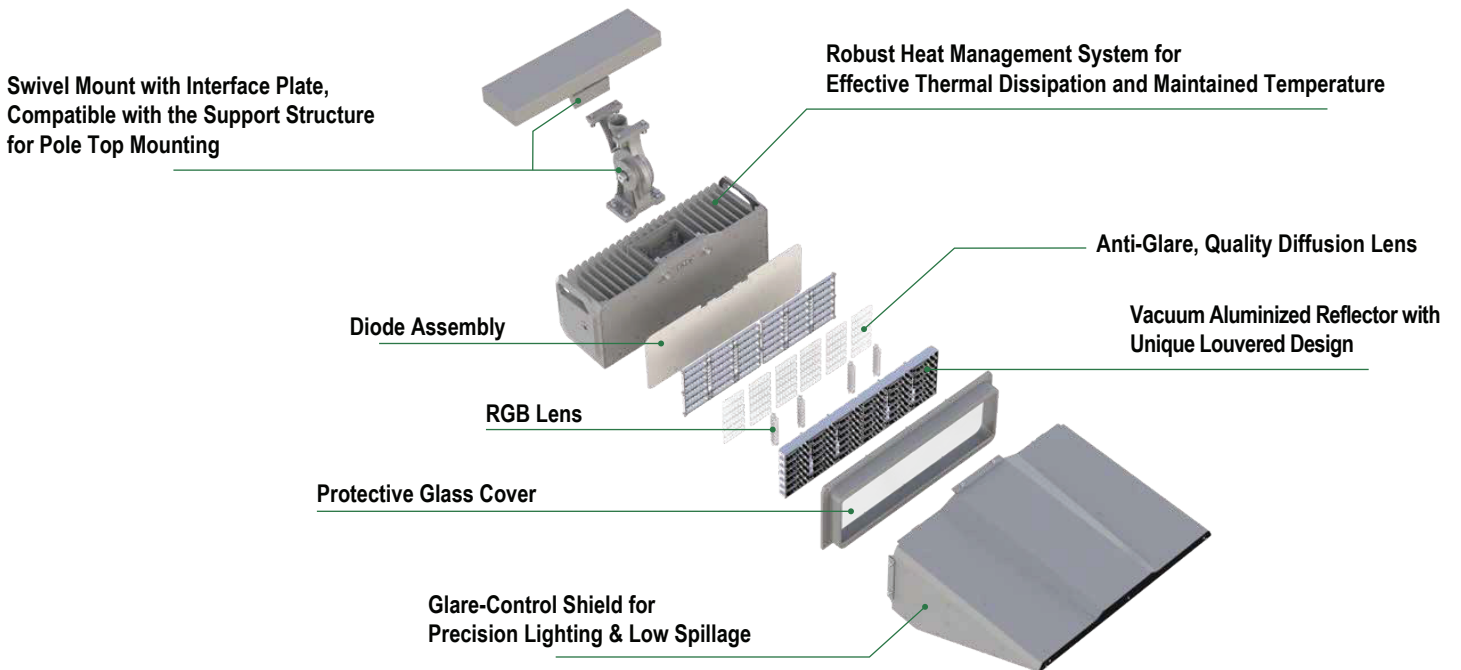
GR Observer (Results Overview)
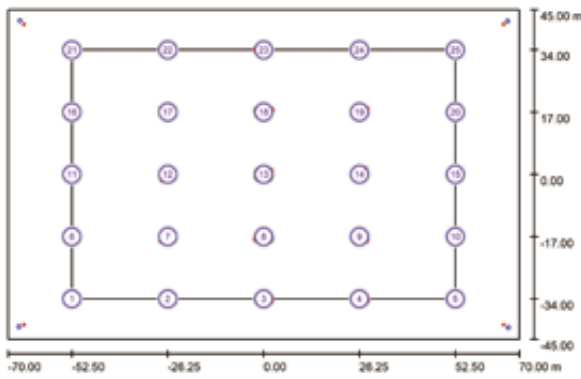
HD Light GR<30 | Others' Light GR<50

Beam Spreads

The variety of beam spreads are excellent for large venue applications and precise areas that require specialized illumination.
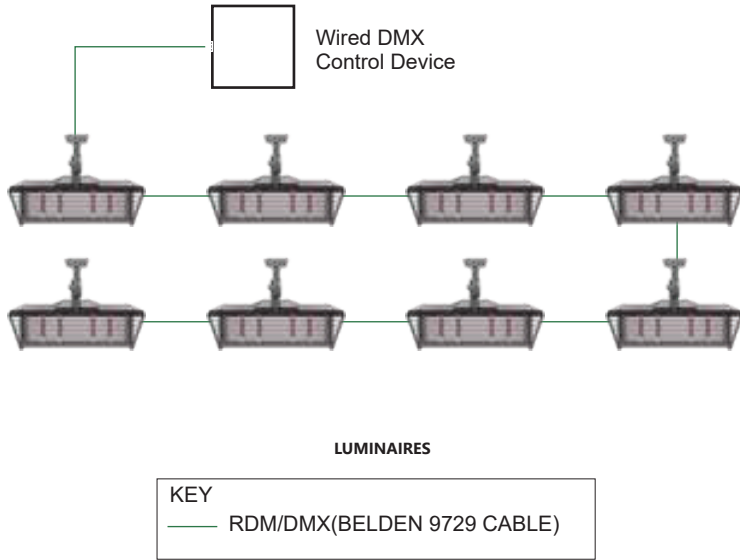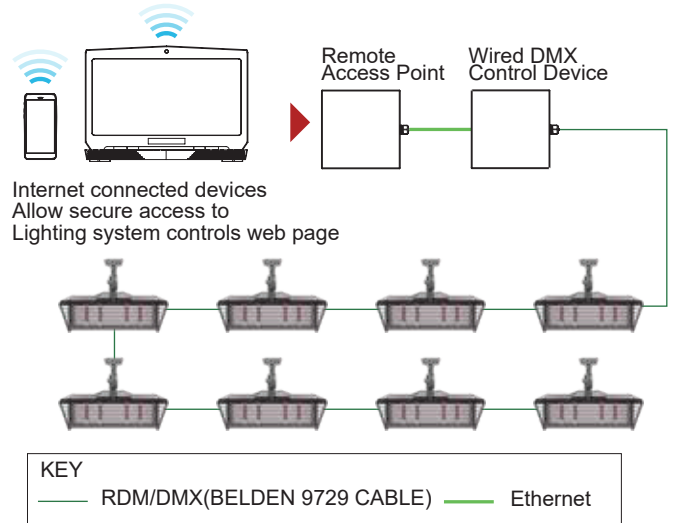
| 2 x 2 | 3 x 3 | 4 x 4 | 5 x 5 |

Product Breakdown Diagram

Swivel Mount with Interface Plate, Compatible with the Support Structure for Pole Top Mounting

Robust Heat Management System for Effective Thermal Dissipation and Maintained Temperature

Anti-Glare, Quality Diffusion Lens

Diode Assembly

Vacuum Aluminized Reflector with Unique Louvered Design

RGB Lens

Protective Glass Cover

Glare-Control Shield for Precision Lighting & Low Spillage

DMX Controls

Example System Topology (Wired DMX Controls)

Wired DMX Control Device

LUMINAIRES

KEY
——— RDM/DMX(BELDEN 9729 CABLE)

Example System Topology (Remote Access Point With Wired DMX Controls
Vpn gateway to dmx system controls

Remote Access Point

Wired DMX Control Device

Internet connected devices
Allow secure access to
Lighting system controls web page

KEY
——— RDM/DMX(BELDEN 9729 CABLE)   ——— Ethernet

Component Details (Retrofit System Upgrade)

1 Cross Arm/Support Structure
Existing support structure is replaced with tier-1 quality support arms
(Top Mount or Flood Mount).

2 Pole Top Mounting, LED Fixture, & Shield

OLM® Technology with multifaceted optics and glare control design for precise illumination.

3 Safety Wire with Electrical Isolation
Opto-electrical separation design to reduce material costs.

4 Custom Pole Structure
Pole configured for project-specific application and optimal luminaire positioning.

5 Remote Electrical Component Enclosure and Mounting Hardware

All the driver and electrical components are concentrated in the distribution box, making it convenient for maintenance, saving maintenance costs, and providing higher security.