



RAB[®]
LIGHTING

LED Outdoor
Summer 2013 Catalog

Designed beyond standards

Great Design: RAB LED luminaries are timeless, elegant designs that look great in any setting with light output that's smooth, powerful and makes colors pop. Product quality is second to none. Installation is fast and easy.

Affordability: You will get payback on investment in approximately 2 years based on national average electricity rates of \$.10/kWh. With utility rebates available in many areas, RAB LED products become even more affordable.

Durability: 100,000-hour LED lifespan based on IES TM-21 calculations backed by a 5-year warranty on the complete product from a company that has earned trust since 1946.

Energy Efficiency: With energy savings of up to 85%, RAB LED products are extraordinarily efficient. There is no better investment you can make in saving energy.

To learn more about saving money with RAB LED, visit
rabweb.com/stories



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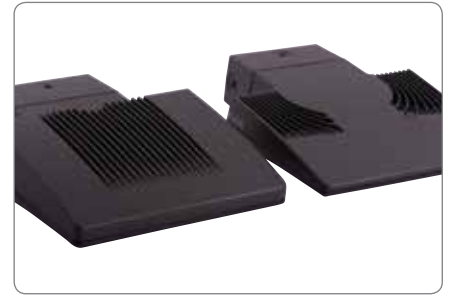
Over 67 years of innovation and still breaking ground

Four generations of family ownership has given RAB a continuous history of lighting advances. In the 40s, RAB invented the first floodlight with enclosed wiring. In the 50s, it was first with unbreakable Lexan® lighting. RAB improved lighting efficiency and convenience forever with the first motion sensor light control in the 80s. The 90s saw industry firsts in lighting packaging, merchandising and “friendly” cutoff lighting...



RAB introduced the industry's first floodlight with enclosed wiring in 1946.

...And now,
over 50 affordable
LED lighting
breakthroughs.



Go beyond footcandles and see your project come to life.

RAB's free lighting layout service includes nighttime simulations to show the finished installation. You get free and fast design services including photo-realistic renderings, energy engineering payback analysis, plus traditional point-by-point layouts, fixture schedules and specification sheets. Just call **888 722-1000**, or visit **rabweb.com** to do your own layouts online for simple jobs.

RIGHT SIDE ELEVATION
Mounting Height: 10'-6" AFG
Scale: 1 inch = 5 Ft.

RIGHT SIDE PLAN VIEW
Scale: 1 inch = 2 Ft.

RIGHT SIDE ELEVATION
Mounting Height: 10'-6" AFG
Scale: 1 inch = 5 Ft.

RAB LIGHTING

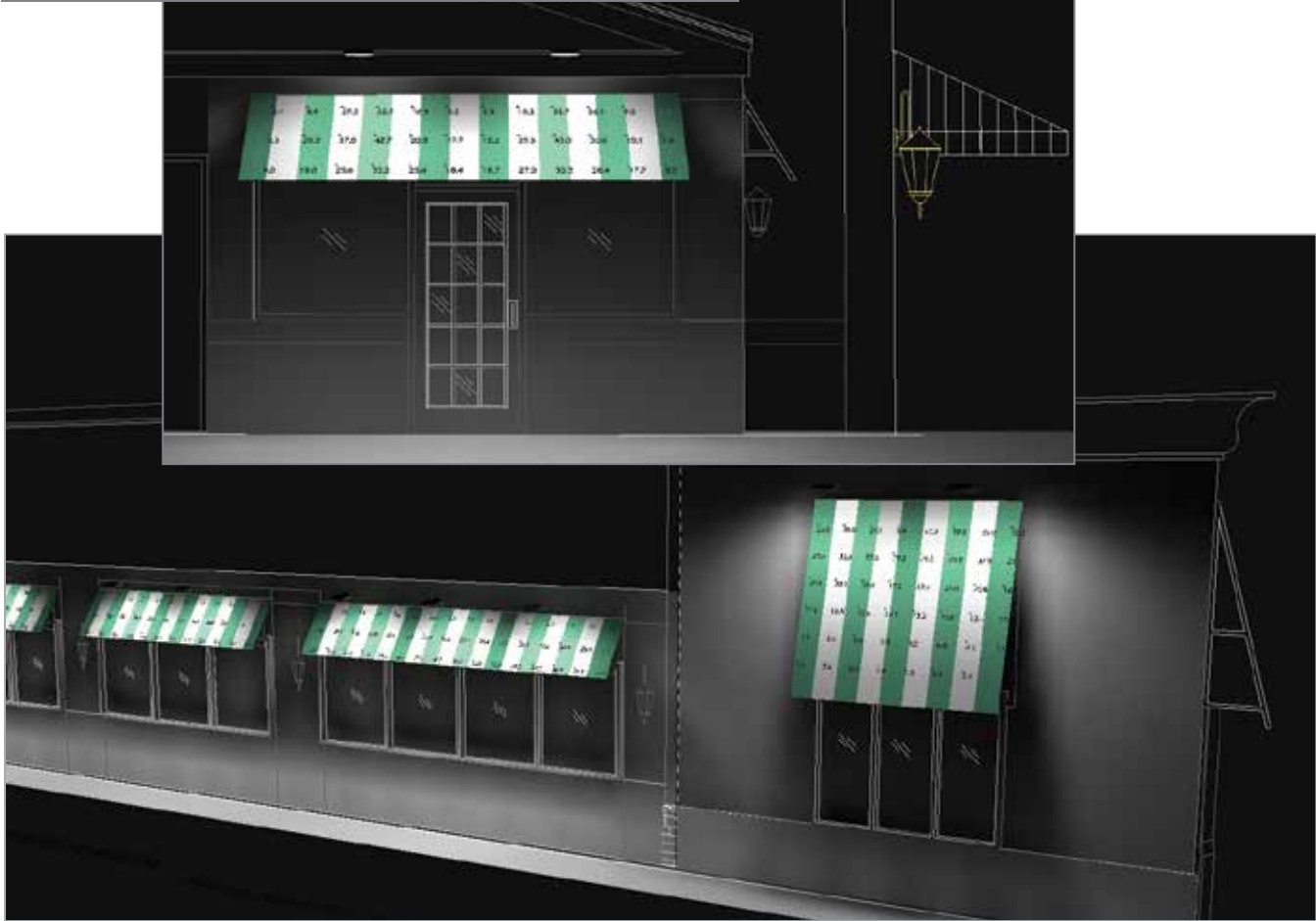
Project For:
ABC Electrical Sales
1000 W. Highway 400
Princeton, NJ 08540

Job Name:
Academy Restaurant & Bakery
Academy Building 200
100 W. 15th St.
Princeton, NJ 08540

Draw: 00000010
File: Building 010106
Drawn by: G. Hunt

Order	Qty	Label	Manufacturer	Light Lumens	Light Lumens	LMF	Beam Spread	Light Color	Notes
1	12	WPLED20Y-4-ARM5124	WAC	12000	12000	0.9	36°	3000K	

Notes:
*THE LIGHT LOSS FACTOR IS A PRODUCT OF THE LAMP LUMEN DEPRECIATION COEFFICIENT, THE LUMINOUS Effic (EFFECTIVE LUMENS PER WATT) AND THE BALLAST FACTOR.
*THE LUMINOUS Effic OF THE LAMP LUMENS PER WATT (LM/W) IS THE LUMINOUS Effic OF THE LAMP LUMENS PER WATT (LM/W) MULTIPLIED BY THE BALLAST FACTOR.
*UNLESS SPECIFIED, ALL FIXTURES ARE ASSUMED TO BE MOUNTED AT GRADE. ACTUAL PERFORMANCE MAY VARY DUE TO VARIATIONS IN EQUIPMENT, ELEVATION, OPERATIONAL MODES OF USE, OBSTRUCTIONS, VARIATIONS IN REFLECTANCES AND/OR ENVIRONMENTAL CONDITIONS.
*EXACT MOUNTING DETAILS TO BE DETERMINED AT JOB SITE BY OTHERS. MOUNTING HEIGHT SHOWN IS BASED ON THE HEIGHT OF THE FIXTURE HOUSING.



Engineered to perform.

A no-compromise warranty you'll find nowhere else

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five years from the date of delivery to the end user, including coverage of:

- LED light output (maintained above 70% of initial output)
- LED color temperature will not shift more than 200K CCT
- LED driver will operate within RAB specifications
- Fixture finish will not crack, peel, fade or corrode excessively



Testing beyond industry standards

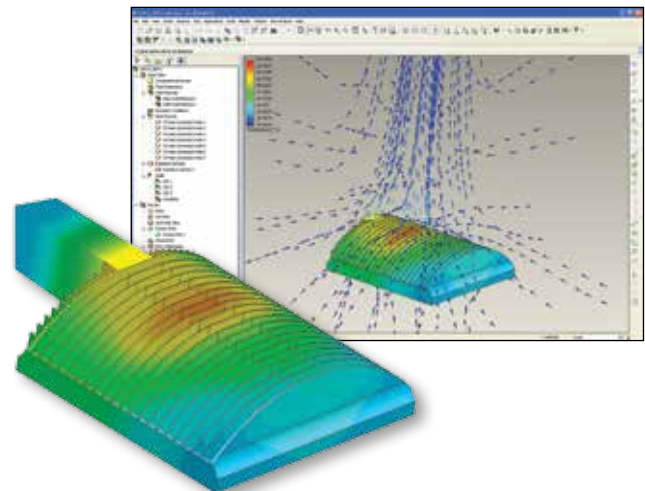
RAB goes beyond the highest industry standards in LED testing and performance certification. All RAB LED products are tested to LM-79, LM-80, UL and Lighting Facts standards. RAB also has an industry-leading 100% test regimen 3X during the manufacturing process. First at the LED fabrication level, then after LED Module assembly, followed by a full two-hour burn-in that ensures the entire fixture is operating to specifications before releasing it to the wild.



Two-hour burn-in test rack

Engineered thermal management

LED and driver lifespan is dependent on temperature. The cooler the LED, the longer its useful life. RAB uses computational fluid dynamics optimization of heat movement and air flow to maximize thermal management in our LED products, so our LEDs and drivers stay crazy cool.



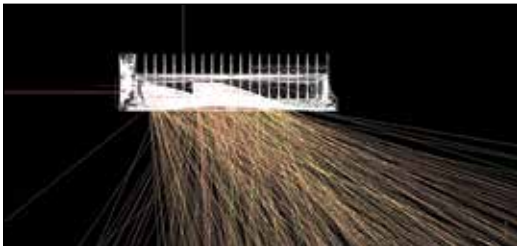
Cutting-edge driver technology

With reliable power conversion and superb specifications in every aspect of performance, RAB's innovative patent-pending driver design concepts offer protection from the harsh reality of the electrical grid. Our rigorous LED driver manufacturing test program ensures 100% reliability.



Optimized optical design

RAB designs all of our LED optics in-house, using software to model reflectors and lens assemblies to give you maximally effective and efficient lighting. Our in-house testing laboratories, with sophisticated test equipment like the goniophotometer pictured on the right, confirm that real-world fixture performance matches our digital models.



Precision optics optimize fixture performance.



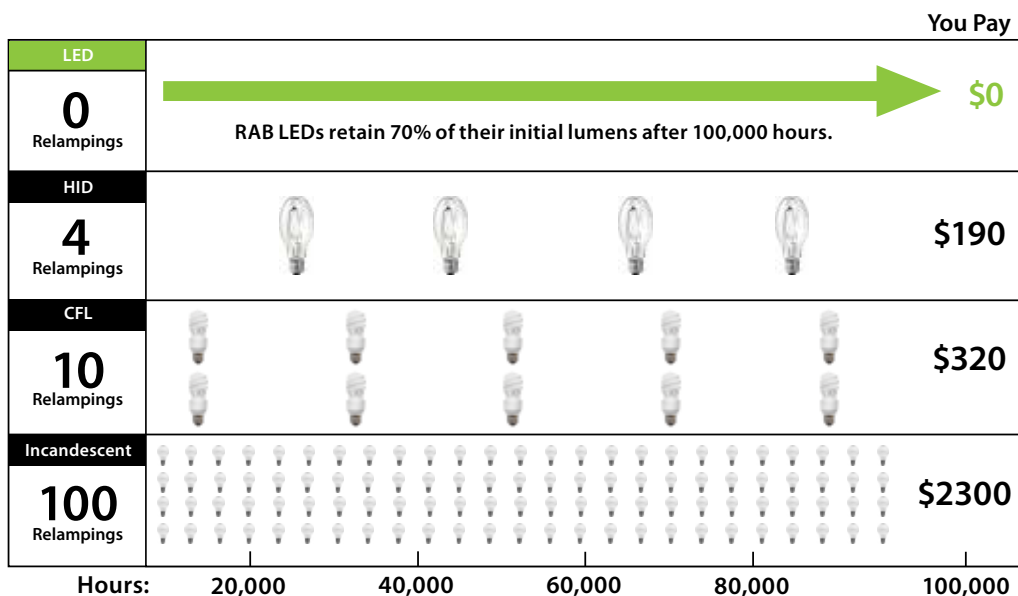
RAB's on-site Goniophotometer provides precision measurement of light output.

Priced for **payback**.

You can't afford **not** to buy LED lighting. Most installations pay back their initial cost through energy and maintenance savings in less than two years.

The end of relamping

Your savings on lamps and relamping labor over 100,000 hours add up fast.



Labor calculated at \$90/hr. @ 15 minutes per fixture relamped

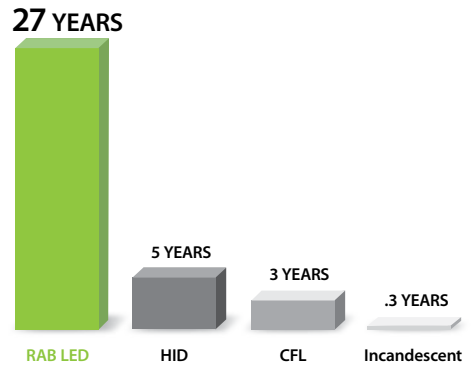
Energy savings and payback calculation

We crunch the numbers for you and provide a single-page analysis that shows how much energy you can save, and how quickly your investment in RAB LED technology will payback.



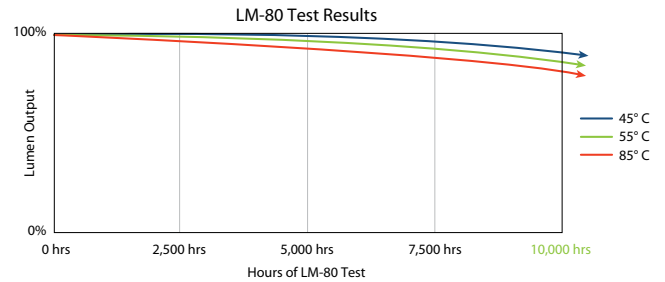
100,000-Hour lifespan

The new TM-21 industry standard lifespan calculation method reveals the true high-performance of RAB LEDs. Now that LM-80 testing has exceeded 10,000 hours, RAB LED fixtures have an L70 Lifespan of 100,000 hours based on TM-21 calculations.



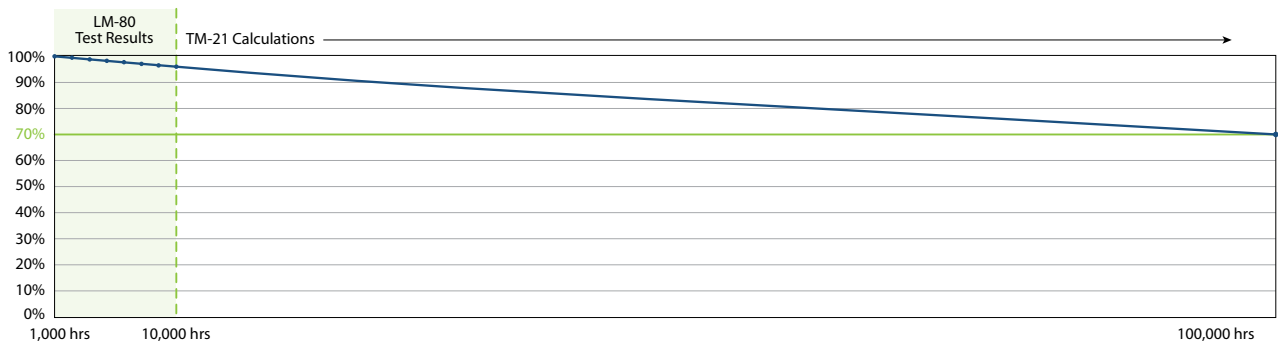
1. THE TEST: LM-80

LM-80 is a method for measuring light output of LEDs over time, created by the IES (Illuminating Engineering Society). LM-80 tests are run at three different temperatures so results can be applied to specific fixtures and environments.



2. THE CALCULATION: TM-21

TM-21 is an IES 2012 standard that uses LM-80 data (for 10,000 hours) to calculate lifespan for a specific LED fixture. The UL temperature test results for a fixture are used to choose one of the three temperature curves to project what the LED's lifespan will be.



3. THE RESULTS: L70 Lifespan

L70 Lifespan (the result from the TM-21 calculation above) is the industry standard for the useful lifespan of an LED. It specifies the hours of operation before light output drops to 70% of initial output. In the example below, at 70% of initial lumens, the difference in output is only subtly discernable to the human eye.



100% Lumen Output



70% Lumen Output

Color temperature made easy

Color temperature

The color of light is measured in degrees kelvin (K). The correlation of LED color to incandescent color is called CCT (Correlated Color Temperature). Light that appears more yellow (warm) is 2500 - 3000K. Light that is more white or blue (cool) is 3500 - 5000K.

Because the exact kelvin value of each LED can vary slightly, the American National Standards Institute (ANSI) defined an allowable range of variation called Nominal CCT. These variations are so slight that they are hardly noticeable to the human eye. For example, an LED with a CCT of 3045K, and another with a CCT of 3220K would both have a nominal CCT of 3000K.

Color consistency

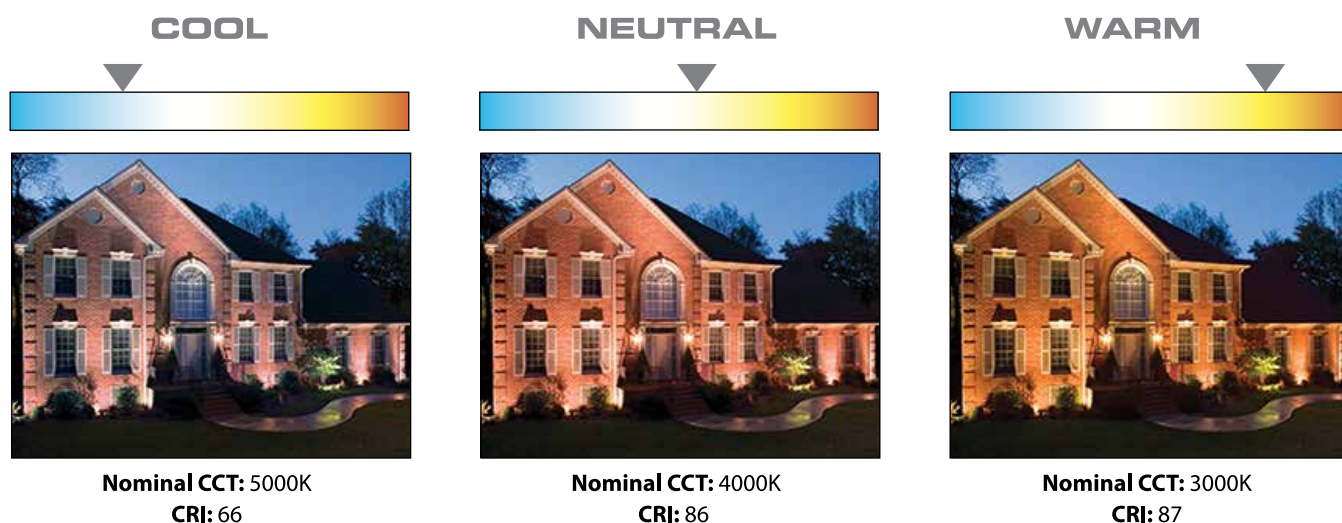
RAB LED color consistency is reported in MacAdam ellipses (e.g. 3-step MacAdam ellipse). Typically, outdoor fixtures are 7 step or less and indoor fixtures are 4 step or less. Lower step numbers correspond with less color variation. All RAB fixtures meet or exceed industry standards for color consistency. MacAdam steps for RAB products can be found in this catalog and online at rabweb.com.

Color stability

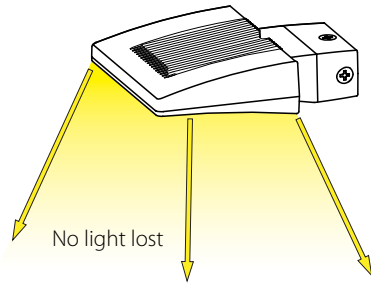
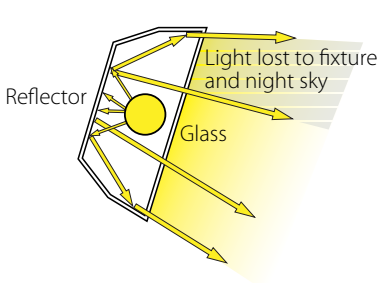
Color properties of light sources often change over time, even when they are manufactured with consistent CCT. Color stability describes the ability of a light source to maintain its color properties over time and is therefore an important consideration for lighting designers and others who specify lighting solutions. All RAB LED products are warranted to shift no more than 200K CCT for the 5 years following delivery to the end user.

Color Rendering Index (CRI)

CRI measures a light source's ability to show colors "realistically" compared to a standard reference source. CRI is represented by an index number between 0 - 100 and is measured against different reference sources for daylight or incandescent light. LEDs with the maximum CRI value of 100 would produce a natural-looking environment while LEDs with a CRI under 50 would produce poor color quality.



HID vs. LED



Delivered lumens

HID luminaires lose a great deal of light to the fixture itself and the night sky. Only a small fraction of the lumens end up on the ground. RAB LED fixtures, however, deliver ALL the light from the fixture to where you need it.

175W HID Wallpack

13,500	Initial Lumens	1,816
8,800	Mean Lumens	1,816
4,736	Fixture Lumens	1,816

1,301

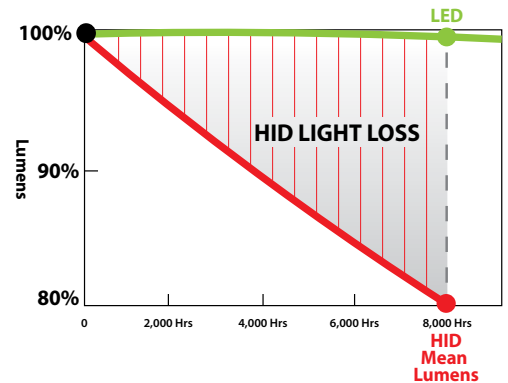
Delivered Lumens

1,816

26W LED LPACK

Mean lumens

Mean Lumens are the light output at 40% of rated life (8,000 hrs. for HID*). At 8,000 hours, LED is still near 100% light output.



Equivalency

Equivalency is specific to each fixture type and application, not wattage. Equivalency is the closest match of an LED light source calculated based on lumens (light) delivered to the appropriate area based on application. This calculation is then confirmed by real world testing and observation with the human eye.

Equivalencies for different fixture types vary even at the same LED wattage. For example, HID Area Lights are more efficient than the same HID wattage Wallpack, with a 20W LED Wallpack replacing a 150W Metal Halide and a 20W LED Area Light replacing a 50W Metal Halide Area Light.

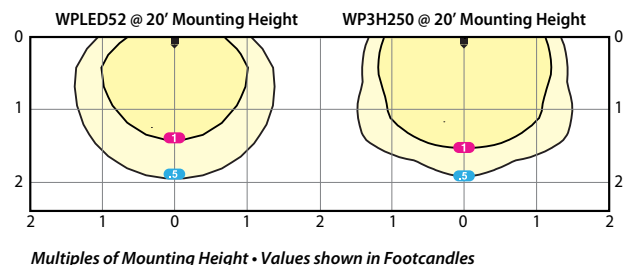
Replacement range

A suggested range of wattages that can be replaced by RAB LED based on equivalency, nighttime simulations and confirmation by real-world testing and observation with the human eye.

Application equivalency

Some RAB LED products are designed to have a specific Application Equivalency. The 52W LPACK is a great example. Looking at the photometrics shown to the right, the .5fc and forward throw are nearly the same between the 52W LPACK and a 250W Metal Halide Wallpack, allowing one-for-one replacement with the same mounting and spacing. This is how Application Equivalency is determined.

*8000 hrs. mean point is taken for an HID source with an average rated life of 20,000 hrs.



RAB Lighting helps BMW car dealership's true colors shine through

Project Details

Project Site

BMW car dealership in Irvine, CA.
RAB fixtures illuminate canopies, trellis and freeway display areas.

Project Scope

(120) RAB 39W FFLED floodlights replaced
(156) 175W metal halide floods

Energy and Cost Savings

Five-year projected savings estimate, net equipment and installation costs, is \$80,500. Used 36 fewer fixtures to achieve the same light output and greater energy efficiency. The fixtures paid for themselves in less than two years.



Penn State student housing complex roars ahead with RAB LED

Project Details

Project Site

Lion's Crossing Student Housing Complex, located two miles off the Penn State University campus (State College, PA). 17 buildings containing 204 separate residential apartments on a 17-acre property.

Project Scope

(28) 20 Watt RAB ALED (LED area light) fixtures illuminate the pathways between and around buildings, enhance comfort and peace of mind for residents and visitors, reduce energy costs, and minimize maintenance costs.

Energy and Cost Savings

Over 80% energy savings relative to 100 Watt incandescent bulbs previously used



RAB Lighting's LED fixtures are helping museum achieve LEED Certification



Project Details

Project Site

The grounds of the Museum of Clean in Pocatello, Idaho, including a parking lot, a small park, walkways, the building perimeter and a clock tower that's illuminated from the inside out

Project Scope

A variety of 84 different RAB Lighting LED products, such as area lights, bollards, floodlights, wallpacks and motion sensors. Energy efficient RAB LED fixtures were selected to help the building achieve LEED certified status.

Energy and Cost Savings

\$20,000 savings over five years

RAB's LED garage luminaires reduce energy costs and return \$18,000 in utility rebates to parking facility



Project Details

Project Site

Lincoln Property Company's parking garages at 425-475 Woodfield Corporate Center in Schaumburg, IL. Three- and five-story garage complexes with 1,950 parking space capacity anchoring both sides of the Corporate Center

Project Scope

One-for-one upgrade of 397 outdated 150 Watt High Pressure Sodium fixtures to 78 Watt RAB GLED fixtures to enhance visibility and safety, reduce energy consumption and cost, and minimize maintenance concerns.

Energy and Cost Savings

50% energy savings relative to the previous 150 Watt High Pressure Sodium lamp technology; annual energy savings combined with \$18,000 in utility rebates will help deliver payback in approximately three years.

RAB LED shines on Irish Pub

Project Details

Project Site

Thatcher McGhee's Irish Pub & Eatery in Denville, NJ. RAB fixtures installed on the front and back of the restaurant to highlight Thatcher McGhee's signage and thatched roof

Project Scope

(11) 13 Watt LGOOSE LED fixtures draw attention to the restaurant and create a warm and inviting ambiance while minimizing energy and maintenance costs

Energy and Cost Savings

Over 80% energy savings relative to equivalent 75 Watt incandescent fixtures



Affordable LED lighting at Illinois school district

Project Details

Project Site

James B. Conant High School in Hoffman Estates, IL. Fixtures illuminate a 20' x 70' canopy at the entrance to the school.

Project Scope

(20) 20 Watt LPACK LED fixtures replaced existing 175 Watt Metal Halide wallpacks.

Energy and Cost Savings

Annual energy cost savings of \$5,000. Government sponsored green energy grant helped offset 90 percent of the initial cost of the fixtures. The payback period was less than six months.



RAB LEDs help a racetrack sparkle



Project Details

Project Site

NOLA Motorsports, a 750-acre auto racing facility in New Orleans. Fixtures are positioned as direct wall mounts under soffits and along walkways on stanchions at the various buildings.

Project Scope

(415) 20 Watt WPLED fixtures illuminate pathways and enhance the sleek lines of the facility's modern design.

Energy and Cost Savings

Annual energy cost savings of \$20,000

Restaurant chain saves \$1,200 annually in energy costs



Project Details

Project Site

Wisconsin-based Culver's has over 450 restaurants in 19 states and are opening two or three new restaurants every month. RAB fixtures illuminate canopies, walkways and outdoor dining areas.

Project Scope

(18 to 25) RAB LED gooseneck fixtures per restaurant depending on building size. RAB provides fixtures for all new Culver's locations.

Energy and Cost Savings

90% improved energy efficiency and over \$1,200 per year in energy cost savings per restaurant vs. equivalent incandescent lighting systems. Maintenance and re-lamping costs are also significantly reduced.

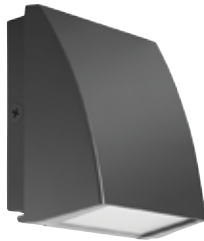
SLIM™

LED WALLPACKS



SLIM26

Low-Profile Wallpack



SLIM37



SLIM57



SLIM62

Fills the footprint of most traditional wallpacks!

SPECIFICATIONS

UL Listing

SLIM12, 18 & 26: Suitable for wet locations as downlight. Suitable for mounting within 4' of the ground.

SLIM37, 57, & 62: Suitable for wet locations as uplight or downlight.

LEDs

SLIM12, 18 & 26: Multi-chip, long-life LEDs

SLIM37, 57, & 62: Long-life, high-efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color.

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

SLIM12: Constant Current, Class 2, 100-277V, 50/60 Hz., 4kV surge protection, 350mA, 100-240VAC: 0.3 - 0.15 Amps, 277VAC: 0.15 Amps, THD<20%, Power Factor: 99%

SLIM18: Constant Current, Class 2, 100-277V, 50/60 Hz., 6kV surge protection, 500mA, 100-240VAC: 0.3 - 0.15 Amps, 277VAC: 0.15 Amps, THD<20%, Power Factor: 99%

SLIM26: Constant Current, Class 2, 100-277V, 50/60 Hz., 6kV surge protection, 720mA, 100-277VAC: 0.4 Amps, THD≤20%, Power Factor: 99%

SLIM37: Constant Current, Class 2, 100-277V, 50/60Hz, 100-277VAC: 0.6A, 4 kV Surge Protection, 700mA, THD <10%, Power Factor: 99%

SLIM57: Two Drivers, Constant Current, Class 2, 100-277V, 50/60Hz, 720mA, 100-277VAC: 0.8A, 6kV Surge Protection, THD <20%, Power Factor 99%

SLIM62: Two Drivers, Constant Current, Class 2, 100-277V, 50/60Hz, 700mA, 100-277VAC: 0.6A, 4kV Surge Protection, THD <10%, Power Factor 99%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Die-cast aluminum thermal management system for optimal heat dissipation

Housing

Precision die-cast aluminum housing

Mounting

SLIM12, 18 & 26: Heavy-duty mounting bracket with hinged housing for easy installation.

SLIM37, 57 & 62: Die-cast back box with four (4) conduit entry points and knockout pattern for junction box or direct wall mounting. Hinged housing for easy installation.

Lens

SLIM12, 18 & 26: Tempered glass
SLIM37, 57 & 62: Micro prismatic diffusion lens for smooth and even light distribution

Reflector

SLIM12, 18 & 26: Specular thermoplastic
SLIM37, 57 & 62: Polycarbonate vacuum metalized specular reflector

Gaskets

High-temperature silicone. O-Ring gasketed close-up plug

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

IP Rating

Please visit rabweb.com for IP Ratings

Dark Sky Approved

The International Dark Sky Association has approved all SLIM™ products as full cutoff, fully shielded luminaires except for the SLIM37, 57 & 62 Cutoff (7.5°).

Cutoff Options

Full Cutoff (0°) - SLIM12, SLIM18 and SLIM26;
SLIMFC37, SLIMFC57 and SLIMFC62.
Cutoff (7.5°) - SLIM37, SLIM47 and SLIM62

Patents

RAB LED SLIM™ Wallpacks are protected by U.S. patents and patents pending in U.S., Canada, China, Taiwan and Mexico.

*See TM-21 explanation on page 8.

Ultra performance wallpacks for a variety of applications

PERFORMANCE COMPARISON

	SLIM12	SLIM18	SLIM26	SLIM37	SLIM57	SLIM62
LED Watts / Input Watts	12W / 14.5W	18W / 20.9W	26W / 31.4W	35W / 37W	47W / 57W	56W / 62W
Lumen Output	1401	1909	2648	2688	4262	4775
Lumens Per Watt	97	91	84	73	75	78
Wallpack Equivalency	70W MH	100W MH	175W MH	200W MH	250W MH	320W MH
HID Replacement Range	50-70W	70-100W	100-175W	150-200W	175-250W	175-320WW
Surge Protection	4000 Volts	4000 Volts	6000 Volts	4000 Volts	6000 Volts	4000 Volts
Mounting	Junction Box	Junction Box	Junction Box	Die-cast Back Box	Die-cast Back Box	Die-cast Back Box

CATALOG NUMBERS

Catalog # Bronze	Cutoff	LED Watts	Input Watts	Color Temp/ Uniformity†	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
SLIM12	Full Cutoff (0°)	12	14.5	Cool (5100K) / 3 Step ¹	69 CRI	1401	97	1.5-8'	100-277V
SLIM18	Full Cutoff (0°)	18	20.9	Cool (5100K) / 3 Step ¹	69 CRI	1909	91	8-14'	100-277V
SLIM26	Full Cutoff (0°)	26	31.4	Cool (5100K) / 3 Step ¹	68 CRI	2648	84	15-22'	100-277V
SLIM37	Cutoff (7.5°)	35	37.0	Cool (5000K) / 7 Step ²	75 CRI	2688	73	10-20'	100-277V
SLIMFC37	Full Cutoff (0°)	35	37.0	Cool (5000K) / 7 Step ²	75 CRI	2480	67	10-20'	100-277V
SLIM57	Cutoff (7.5°)	47	57.0	Cool (5000K) / 7 Step ²	73 CRI	4262	75	12-25'	100-277V
SLIMFC57	Full Cutoff (0°)	47	57.0	Cool (5000K) / 7 Step ²	73 CRI	4096	72	12-25'	100-277V
SLIM62	Cutoff (7.5°)	56	62.0	Cool (5000K) / 7 Step ²	74 CRI	4775	78	15-30'	100-277V
SLIMFC62	Full Cutoff (0°)	56	62.0	Cool (5000K) / 7 Step ²	74 CRI	4444	72	15-30'	100-277V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

¹3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

²3000K / 7 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

For Neutral White Light (4000K) - add "N" to Catalog Number (Example: SLIM26N). For Warm Light (3000K) - add "Y" to Catalog Number (Example: SLIM57Y).

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: SLIM12W).

For Photocell option add "PC" for 120V, "PC2" suffix for 277V after color suffix (Example: SLIM12/PC).

For Swivel Photocell option - add "PCS" suffix for 120V, "PCS2" suffix for 277V after color suffix (Example: SLIM57N/PCS).

**BUY WITH
CONFIDENCE**



Fully Shielded
Full Cutoff Optics



For use on LEED buildings to attain
Light Pollution Reduction Credit



Except for SLIM26Y/SLIM26YW, WPLEDS, WPLEDR5,
WPLED10S, WPLED10SDC, WPLED10 and WPLED10DC





ENTRA12



WPLED10



WPLED26



WPLEDFC52



WPLED3T78

SPECIFICATIONS

UL Listing

ENTRA12; WPLED5, 20 & 26: Suitable for wet locations as Downlight. Suitable for mounting within 4' of the ground. DC fixtures not UL Listed.

WPLED10 & 13: Suitable for wet locations as a Downlight. Suitable for damp locations as an Uplight. Wall mount only. Suitable for mounting within 4ft. of ground.

WPLED52: Suitable for wet locations.

WPLED78: Suitable for wet locations as Downlight.

WPLED104: Suitable for wet locations as Uplight and Downlight, wall mount only.

LEDs

Multi-chip 5, 10 and 13 Watt high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

ENTRA12: Constant Current, Class 2, 100-277V, 50/60Hz, 4 kV Surge Protection, 350mA, 100-240VAC: 0.3 - 0.15 A, 277VAC: 0.15 A, THD<20%, Power Factor: 99%

WPLED5: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.18 Amps, Power Factor: 44%

WPLED10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.3 Amps, Power Factor: 57%

WPLED13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps THD ≤ 20%, Power Factor: 98%

WPLED20: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 1000mA, 100-240VAC: 0.5 Amps, 277VAC: 0.125 Amps, THD ≤ 10%, Power Factor: 98%

WPLED26: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.4 Amps., THD ≤ 20%, Power Factor: 99%

WPLED52 (2 drivers) & 78 (3 drivers): Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.4 Amps, THD ≤ 20%, Power Factor: 99%

WPLED104: Constant Current, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277V: 0.95 A, THD <10%, Power Factor: 99%

WPLED104/480: Constant current, Class 1, 100V-480V, 50/60 Hz, 4kV Surge Protection, 700mA, 347V-480V =0.3- 0.4A, THD<20%, Power Factor: 95%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

WPLED13 and WPLED20: Suitable for use in 50°C (122°F)

ENTRA12; WPLED5, 10, 26, 52, 78 and 104: Suitable for use in 40°C (104°F)

Thermal Management

ENTRA12: Superior thermal management with internal Air-Flow fins

All WPLEDs: Die-cast aluminum system for optimal heat dissipation

Housing

Precision die-cast aluminum housing

Mounting

ENTRA12: Heavy die-cast aluminum with ½" back knockout and mounting template for mounting to 4" box

WPLED10, 13, 20 & 26: Junction Box or Surface Plate.

WPLED52, 78 & 104: Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two-piece bracket with tether for ease of installation and wiring.

Reflector

ENTRA12 (2): White aluminum reflector topped with vacuum metalized polycarbonate LED reflector

WPLED10, 13, & 20, 52 & 78: Hydroformed aluminum

WPLED26: Semi-specular vacuum hydroformed polycarbonate

WPLED104: Specular vacuum metalized polycarbonate

Gaskets

High-temperature silicone. O-Ring gasketed plug.

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right.

RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

IP Rating

Please visit rabweb.com for IP Ratings

Dark Sky Approved

The International Dark Sky Association has approved all WPLED products as full cutoff, fully shielded luminaires except for the WPLED52 & WPLED104 (15").

Cutoff Options

Full Cutoff (0°) - WPLEDFC52, WPLED78 & WPLEDFC104

Cutoff (7.5°) - WPLED5, 10, 13, 20 & 26; WPLEDC52 & WPLEDC104. Standard (15°) - WPLED52 & WPLED104

Patents

RAB LED Wallpacks are protected by U.S. patents and patents pending in U.S., Canada, China, Taiwan and Mexico.

*See TM-21 explanation on page 8.

Switch to LED wallpacks for 80% energy savings.

PERFORMANCE COMPARISON

	ENTRA12	WPLED5	WPLED10	WPLED13	WPLED20	WPLED26	WPLED52	WPLED78	WPLED104
LED Watts / Input Watts	12W / 14.4W	5W / 5.3W	10W / 13.2W	13W / 14.9W	20W / 21.5W	26W / 30W	52W / 61W	78W / 91W	104W / 113W
Lumen Output	1284	196	547	1064	1401	1816	3884	5456	8902
Lumens Per Watt	89	7	341	71	65	61	64	60	79
Wallpack Equivalency	70W MH	13W CFL/ 60W Incan.	70W MH	100W MH	150W MH	175W MH	250W MH	400W MH	400W MH
HID Replacement Range	50-70W MH	13W CFL/ 60W Incan.	35-100W MH	70-150W MH	100-175W MH	150-200W MH	250W MH	200-400W MH	200-400W
Surge Protection	4000 Volts	1000 Volts	1000 Volts	4000 Volts	6000 Volts	6000 Volts	4000 Volts	6000 Volts	6000 Volts
Mounting	Junction Box	Junction Box	Junction Box or Surface Plate	Junction Box or Surface Plate	Junction Box or Surface Plate	Junction Box or Surface Plate	Wall Bracket	Wall Bracket	Wall Bracket

CATALOG NUMBERS

Catalog # Bronze	Cutoff	LED Watts	Input Watts	Color Temp/ Uniformity [†]	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
ENTRA12	Standard (15°)	12	14.4	Cool (5000K) / 3 Step [‡]	70 CRI	1284	89	5-10'	100-277V
WPLED5	Full Cutoff (0°)	5	5.3	Cool (5000K) / 7 Step [‡]	69 CRI	196	37	5-10'	100-240V
<u>Surface Plate*</u>									
WPLED10S	Full Cutoff (0°)	10	13.2	Cool (5000K) / 7 Step [‡]	92 CRI	547	41	8-12'	100-240V
WPLED10SDC	Full Cutoff (0°)	10	13.2	Cool (5000K) / 7 Step [‡]	92 CRI	547	41	8-12'	10-30VDC
<u>Junction Box*</u>									
WPLED10	Full Cutoff (0°)	10	13.2	Cool (5000K) / 7 Step [‡]	92 CRI	547	41	8-12'	100-240V
WPLED10DC	Full Cutoff (0°)	10	13.2	Cool (5000K) / 7 Step [‡]	92 CRI	547	41	8-12'	10-30VDC
WPLED13	Full Cutoff (0°)	13	14.9	Cool (5000K) / 7 Step [‡]	66 CRI	1064	71	8-20'	100-277V
WPLED13DC	Full Cutoff (0°)	13	14.9	Cool (5000K) / 7 Step [‡]	66 CRI	1064	71	8-20'	10-30VDC
WPLED20	Full Cutoff (0°)	20	21.5	Cool (5000K) / 7 Step [‡]	70 CRI	1401	64	10-20'	100-277V
WPLED20DC	Full Cutoff (0°)	20	21.5	Cool (5000K) / 7 Step [‡]	70 CRI	1401	64	10-20'	10-30VDC
WPLED26	Full Cutoff (0°)	26	30.0	Cool (5000K) / 7 Step [‡]	66 CRI	1816	61	10-25'	100-277V
WPLED26DC	Full Cutoff (0°)	26	30.0	Cool (5000K) / 7 Step [‡]	66 CRI	1816	61	10-25'	10-30VDC
WPLED52	Standard (15°)	52	61.0	Cool (5000K) / 7 Step [‡]	67 CRI	3884	64	20-35'	100-277V
WPLEDC52	Cutoff (7.5°)	52	61.0	Cool (5000K) / 7 Step [‡]	67 CRI	3888	64	20-35'	100-277V
WPLEDFC52	Full Cutoff (0°)	52	61.0	Cool (5000K) / 7 Step [‡]	67 CRI	3890	64	20-35'	100-277V
WPLED2T78	Full Cutoff (0°)	78	90.0	Cool (5100K) / 7 Step [‡]	68 CRI	5263	58	20-35'	100-277V
WPLED3T78	Full Cutoff (0°)	78	91.0	Cool (5100K) / 7 Step [‡]	68 CRI	4959	55	20-35'	100-277V
WPLED4T78	Full Cutoff (0°)	78	91.0	Cool (5100K) / 7 Step [‡]	68 CRI	5456	60	20-35'	100-277V
WPLED104	Standard (15°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8902	79	20-35'	100-277V
WPLEDC104	Cutoff (7.5°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8916	79	20-35'	100-277V
WPLEDFC104	Full Cutoff (0°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8916	79	20-35'	100-277V
WPLED104/480	Standard (15°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8902	79	20-35'	100-480V
WPLEDC104/480	Cutoff (7.5°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8916	79	20-35'	100-480V
WPLEDFC104/480	Full Cutoff (0°)	104	113.0	Cool (5100K) / 7 Step [‡]	70 CRI	8916	79	20-35'	100-480V

Values shown for cool temperature. Please visit rabweb.com.ca for details on neutral and warm, and other cutoff options.

[‡]3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. [‡]3000K / 7 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

[†]In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

For Neutral White Light (4000K) - add "N" to Catalog Number (Example: WPLED13N). For Warm Light (3000K) - add "Y" to Catalog Number (Example: WPLED104Y).

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: WPLED26W).

*WPLED13, 20 & 26 models include 2 mounting options: Surface Plate for recessed junction box, and Junction Box.

For Photocell option - add "PC" for 120V, "PC2" suffix for 277V after color suffix (Example: WPLED52/PC).

For Swivel Photocell option - add "PCS" suffix for 120V, "PCS2" suffix for 277V after color suffix (Example: WPLED26/PCS).

For Flat Wall Mount option for WPLED78 - add "FX" after color suffix (Example: WPLED278FX).

**BUY WITH
CONFIDENCE**



Fully Shielded Full Cutoff
Optics except for SLIM37,
SLIM57, SLIM62, WPLED52
and WPLED104



For use on LEED buildings to attain
Light Pollution Reduction Credit



Except for SLIM37, SLIM57, SLIM62, WPLED52, WPLED278,
WPLED3T78, WPLED104 and WPLED104/480



SUITABLE FOR WET LOCATIONS



SPECIFICATIONS

UL Listing

Suitable for wet locations.

LEDs

Multi-chip 10 and 13W high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

ALED10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.3 Amps, Power Factor: 57%

ALED13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps, THD ≤ 20%, Power Factor: 98%

ALED20: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 1000mA, 100-240VAC: 0.5 Amps, 277VAC: 0.125 Amps, THD ≤ 10%, Power Factor: 98%

ALED26: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.4 Amps, THD ≤ 20%, Power Factor: 99%

ALED52: (2) Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -240VAC, 50/60 Hz, Power Factor: 99%

ALED5T52: (2) Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -240VAC, 50/60 Hz, Power Factor: 99%

ALED78: (3) Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -240VAC, 50/60 Hz, Power Factor: 99%

ALED5T78: (3) Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -240VAC, 50/60 Hz, Power Factor: 99%

ALED104: Constant Current, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277V: 0.95 A, THD <10%, Power Factor 99%

ALED104/480: Constant current, Class 1, 100V-480V, 50/60 Hz, 4kV Surge Protection, 700mA, 347V-480V =0.3- 0.4A, THD<20%, Power Factor 95%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

ALED10, 26, 52, 78, ALED5T52, ALED5T78 & ALED104: Suitable for use in 40°C (104°F)
ALED13 & ALED20: Suitable for use in 50°C (122°F)

Thermal Management

Die-cast aluminum thermal management system for optimal heat dissipation

Housing

Precision die-cast aluminum housing, lens frame and mounting plate

Reflector

ALED10, 13, & 20: Specular aluminum
ALED26: Semi-specular vacuum metalized polycarbonate
ALED52 & 78: Hydroformed aluminum
ALED5T52 & ALED5T78: Semi-specular anodized aluminum
ALED104: Specular vacuum metalized polycarbonate

Gaskets

High-temperature silicone. O-Ring gasketed close-up plug

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

IP Rating

Please visit rabweb.com for IP Ratings

Dark Sky Approved

The International Dark Sky Association has approved all ALED products as full cutoff, fully shielded luminaires except for the ALED52 Standard (15°), ALED5T52, ALED5T78 & ALED104 Standard (15°).

Patents

The ALED is protected by U.S. patent and patents pending in U.S., Canada, China, Taiwan and Mexico.

ALED Accessories

Round Pole Adapter:

ALED 10, 13, 20 & 26W
Catalog#: RPA3L; RPA3.5L; RPA4L; RPA5L; RPA6L
ALED 52, 78 & 104W
Catalog#: RPA3; RPA3.5; RPA4; RPA5 and RPA6

Pole Size for each Adapter:

RPA3; RPA3L = 3" Diameter Round Pole
RPA3.5; RPA3.5L = 3.5" Diameter Round Pole
RPA4; RPA4L = 4" Diameter Round Pole
RPA5; RPA5L = 5" Diameter Round Pole
RPA6; RPA6L = 6" Diameter Round Pole

Poles and Anchor Bolts:

Poles and Anchor Bolts sold separately. Visit rabweb.com for details.

*See TM-21 explanation on page 8.

Affordable, energy-saving, LED area lights.

PERFORMANCE COMPARISON

	ALED10	ALED13	ALED20	ALED26	ALED52	ALED78	ALED5T52	ALED5T78	ALED104
LED Watts / Input Watts	10W / 13.2W	13W / 14.9W	20W / 21.7W	26W / 30W	52W / 61W	78W / 91W	52W / 61.4W	78W / 91.4W	104W / 113W
Delivered Lumens	547	1064	1401	1816	3884	4959*	3089	4724	8902
Equivalent MH Area Light	35W	50W	50W	70W	150W	250W	175W	250W	400W
Replacement Range	30-50W	35-70W	35-70W	42-100W	175-275W	200-400W	175W	250W	200-400W
Weight	3.2 lbs.	3.3 lbs.	5.1 lbs.	6.5 lbs.	16.45 lbs.	32 lbs.	21.8 lbs.	21.8 lbs.	26 lbs.
EPA	0.2	0.2	0.25	0.27	1.5	0.75	1.2	1.2	2.0

*Refers to lumen output of the ALED3T78. **Pole Configuration:** For Pole Configurations, go to [rabweb.com](#).

SPECIFICATION-GRADE OPTICS

Type II: Ideal for wide walkways, on ramps, bike/jogging paths and other long and narrow applications. Meant for lighting larger areas and usually located near the roadside.

Type III: Ideal for roadway, general parking, and other applications where a larger pool of lighting is required. Usually located near the side of the area, allowing light to project outward and fill area.

Type IV: "Forward Throw" is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution.

Type V: Ideal for general parking and area lighting. Intended to be located at or near the center of an intersection or in a large area, since it produces a circular distribution.

For assistance in choosing the distribution to match your application, please contact RAB Lighting Design by emailing lightingdesign@rabweb.com or calling 888 722-1000.

CATALOG NUMBERS

Catalog Number	LED Watts	Input Watts	Color Temp/ Uniformity [†]	IES Classification	BUG Rating B U G	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height	Voltage
ALED10	10	13.2	Cool (5000K) / 7 Step ¹	III	0 0 0	92 CRI	547	41	10-15'	100-240V
ALED13	13	14.9	Cool (5000K) / 7 Step ²	III	1 0 0	66 CRI	1064	71	10-20'	100-277V
ALED20	20	21.7	Cool (5000K) / 7 Step ¹	III	1 0 0	70 CRI	1401	65	10-25'	100-277V
ALED26	26	30.0	Cool (5000K) / 7 Step ²	IV	0 1 0	66 CRI	1816	61	15-25'	100-277V
ALED52	52	61.0	Cool (5000K) / 7 Step ²	IV	0 1 1	67 CRI	3884	64	25-35'	100-277V
ALEDC52	52	61.0	Cool (5000K) / 7 Step ²	III	0 1 1	67 CRI	3888	64	25-35'	100-277V
ALEDFC52	52	61.0	Cool (5000K) / 7 Step ²	III	0 1 1	67 CRI	3890	64	25-35'	100-277V
ALED5T52	52	61.4	Cool (5100K) / 7 Step ²	V	2 3 1	66 CRI	3089	50	8-12'	100-277V
ALED2T78	78	90.0	Cool (5100K) / 7 Step ²	II	1 0 1	68 CRI	5263	58	25-35'	100-277V
ALED3T78	78	91.0	Cool (5100K) / 7 Step ²	III	1 0 1	68 CRI	4959	55	25-35'	100-277V
ALED4T78	78	91.0	Cool (5100K) / 7 Step ²	IV	1 0 2	68 CRI	5456	60	25-35'	100-277V
ALED5T78	78	91.4	Cool (5100K) / 7 Step ²	V	3 3 1	66 CRI	4724	52	8-18'	100-277V
ALED104	104	113.0	Cool (5000K) / 7 Step ²	IV	1 0 1	70 CRI	8902	79	20-35'	100-277V
ALEDC104	104	113.0	Cool (5000K) / 7 Step ²	III	1 0 1	70 CRI	8916	79	20-35'	100-277V
ALEDFC104	104	113.0	Cool (5000K) / 7 Step ²	III	1 0 1	70 CRI	8916	79	20-35'	100-277V
ALED104/480	104	113.0	Cool (5000K) / 7 Step ²	IV	1 0 1	70 CRI	8902	79	20-35'	100-480V
ALEDC104/480	104	113.0	Cool (5000K) / 7 Step ²	III	1 0 1	70 CRI	8916	79	20-35'	100-480V
ALEDFC104/480	104	113.0	Cool (5000K) / 7 Step ²	III	1 0 1	70 CRI	8916	79	20-35'	100-480V

Values shown for cool temperature. Please visit [rabweb.com](#) for details on neutral and warm.

¹3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. ²3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

[†] In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

For Neutral White Light (4000K) - add "N" to Catalog Number (Example: ALED26N) for all wattages except ALED10. For Warm Light (3000K) - add "Y" to Catalog Number (Example: ALED26Y).

For Photocell option for ALED10 & 13 - add "PC" for 120V after color suffix (Example: ALED10/PC).

For Photocell option for ALED20 & 26 - add "PC" for 120V, "PC2" suffix for 277V after color suffix (Example: ALED20/PC, ALED26/PC2).

For Swivel Photocell option for ALED52 - add "PCS" suffix for 120V, "PCS2" suffix for 277V after color suffix (Example: ALEDC52/PCS).

For Twistlock Photocell option for ALED104 - add "PCT" after color suffix (Example: ALED104/PCT, ALED104/480/PCT4).

BUY WITH CONFIDENCE



Fully Shielded Full Cutoff Optics



Except for ALED10, ALED5T52, ALED2T78, ALED3T78, ALED5T78, ALED104 and ALED104/480



For use on LEED buildings to attain Light Pollution Reduction Credit



Square Poles & Brackets

- Reinforced steel construction
- Polyester powder coat finish
- Poles have reinforced hand holes
- Galvanized anchor bolts & hardware
- Poles meet or exceed the AASHTO Manual LTS-5 Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals



PS4-11-10WT
Tenon Top Pole



PS4-11-10D2
Drilled Pole



SPECIFICATIONS

Powder Coating

Polyester powder coating resists chipping and scratching. It's electrostatically applied and oven cured to powder manufacturer's specifications. Excellent color retention.

Hand Holes

- Reinforced with steel cover
- Powder coated hand hole covers
- Finished interior to avoid hand scratches and cuts.

Shipping Protection

RAB Poles are wrapped in heavy corrugated cardboard. Bases and ends have additional protection to prevent damage during shipment.

*Shaft: 46,000 p.s.i. minimum yield.
Base Plates: Slotted base plates 36,000 p.s.i.*

CATALOG NUMBERS

POLES

Catalog #	Shaft Size SQ(in)	Gauge	Pole Height (ft)	Hand Hole Dimensions	Anchor Bolt Dimensions	POLE CAPACITY Max. EPAs (sf) / Max. Weights (lb) ft. with 1.3 gust		
						70 MPH	80 MPH	100 MPH
Tenon Poles								
PS4-11-10WT	4	11	10	3" x 5"	3/4" x 17"x3"	27.6 / 690	21.1 / 530	13.1 / 330
PS4-11-15WT	4	11	15	3" x 5"	3/4" x 17"x3"	14.0 / 400	10.2 / 295	5.6 / 165
PS4-07-20WT	4	7	20	3" x 5"	3/4" x 30"x3"	16.2 / 390	11.8 / 285	6.3 / 150
PS4-11-20WT	4	11	20	3" x 5"	3/4" x 17"x3"	8.3 / 240	5.6 / 165	2.2 / 75
PS4-07-25WT	4	7	25	3" x 5"	3/4" x 30"x3"	10.7 / 245	7.2 / 165	2.9 / 65
PS4-11-25WT	4	11	25	3" x 5"	3/4" x 17"x3"	4.5 / 135	2.3 / 80	---
PS5-07-20WT	5	7	20	3" x 5"	1" x 36"x3"	28.2 / 670	20.9 / 495	11.8 / 280
PS5-07-25WT	5	7	25	3" x 5"	1" x 36"x3"	19.6 / 450	13.9 / 320	6.7 / 155
PS5-07-30WT	5	7	30	3" x 5"	1" x 36"x3"	12.1 / 300	7.8 / 195	2.4 / 60
Drilled Poles								
PS4-11-10D2	4	11	10	3" x 5"	3/4" x 17"x3"	27.6 / 690	21.1 / 530	13.1 / 330
PS4-11-15D2	4	11	15	3" x 5"	3/4" x 17"x3"	14.0 / 400	10.2 / 295	5.6 / 165
PS4-11-20D2	4	11	20	3" x 5"	3/4" x 17"x3"	8.3 / 240	5.6 / 165	2.2 / 75
PS4-11-25D2	4	11	25	3" x 5"	3/4" x 17"x3"	4.5 / 135	2.3 / 80	0.8 / 35
PS4-07-25D2	4	7	25	3" x 5"	3/4" x 30"x3"	10.7 / 245	7.2 / 165	2.9 / 65
PS5-07-20D2	5	7	20	3" x 6"	1" x 36"x3"	28.2 / 670	20.9 / 495	11.8 / 280
PS5-07-25D2	5	7	25	3" x 6"	1" x 36"x3"	19.6 / 450	13.9 / 320	6.7 / 155
PS5-07-30D2	5	7	30	3" x 6"	1" x 36"x3"	12.1 / 300	7.8 / 195	2.4 / 60

High quality construction for all applications.

BRACKETS & ADAPTERS

BAD4 BAD5 BAD6
Bronze
Pole Adapter



BCAT2
Galvanized Steel
Cross Arm Bracket



BTW12
Galvanized Steel
Trunnion Wall Bracket



BSF
Bronze
Slipfitter Bracket



BWALL9
Bronze
Wall Bracket



BWC18
Galvanized Steel
Curved Bracket
for wood poles



BWS7
Galvanized Steel
Slipfitter "S" Bracket



BWC12
Galvanized Steel
Slipfitter Bracket
for wood poles



BULL2
Bronze
Bullhorn Bracket



BULL2W
Galvanized Steel
Slipfitter Bracket



BULL3
Bronze
Bullhorn Bracket



BULL4
Bronze
90° Square
Bullhorn Bracket



MAB Bronze
90° Slipfitter Bracket



BGC
Bronze Slipfitter
Concrete Mount



BGS
Bronze
Surface Mount

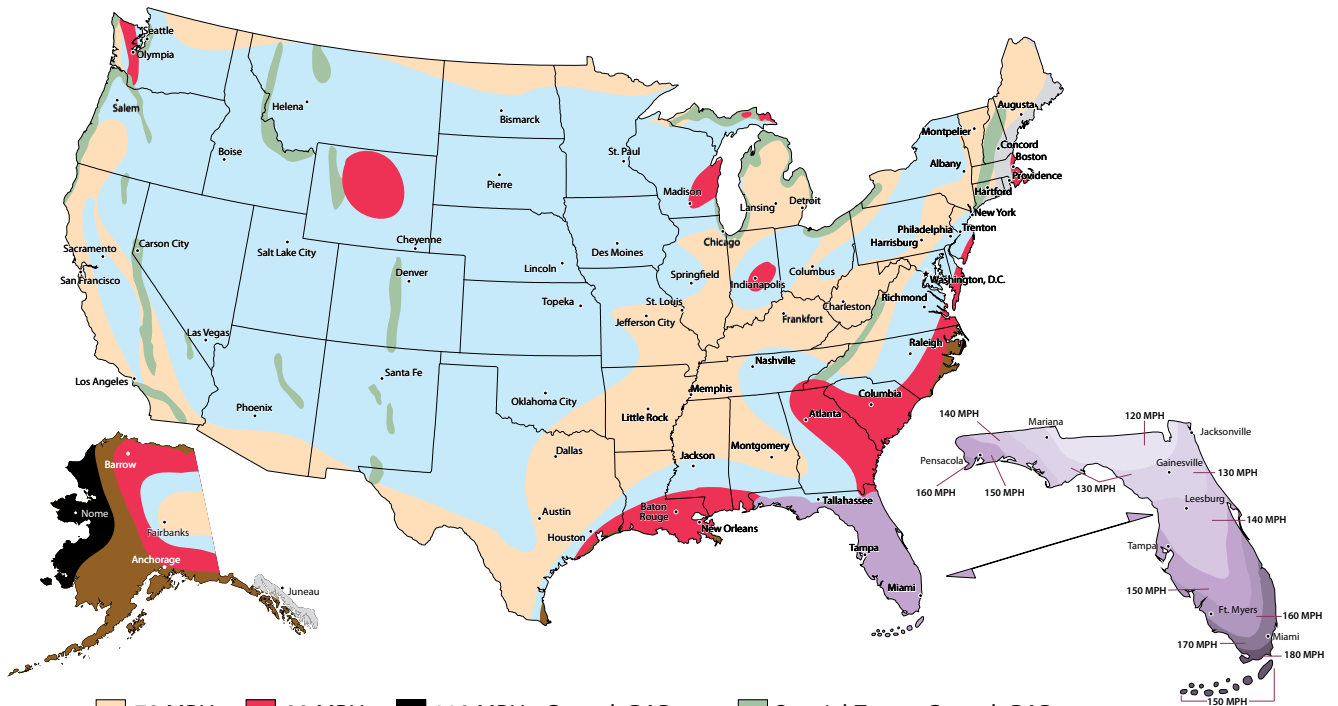


BTA4
Bronze
Tenon Adapter



WIND ZONE MAP

Local codes may require design to higher wind loading.



70 MPH
 90 MPH
 110 MPH - Consult RAB
 Special Zone - Consult RAB

 80 MPH
 100 MPH
 120-180 MPH - Consult RAB
 Hawaii: 80 MPH
Puerto Rico: 95 MPH

GPLED78
78W Garage Luminaire
with Pendant Mount
(Pendant by others)



GLED52W
52W Garage Luminaire
with Ceiling Mount

SPECIFICATIONS

UL Listing

Ceiling Mount - Suitable for wet locations with covered ceiling.
Pendant Mount - Suitable for wet locations.

LEDs

Four (52W) or six (78W) multi-chip, 13W high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -277VAC, 50/60 Hz (52W: 2 drivers; 78W: 3 drivers)

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Superior heat sinking with integrated Air-Flow fins

Housing

Precision die-cast aluminum housing and door frame

Mounting

Easy hanging plate with hooks for ceiling mount

Lens

Prismatic polycarbonate lens

Reflector

Semi-specular anodized aluminum with ultra-white, 97% reflective optics

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Patents

The designs of the GLED™ and GPLED™ are protected by patents pending in US, Canada, China, Taiwan and Mexico.

**See TM-21 explanation on page 8.*

Low profile. High performance.

52W & 78W garage luminaires.

FEATURES

- Low-Profile Design Ideal for Parking Garages
- 52W Replaces 175W MH Luminaires and 78W Replaces 250W MH Luminaires
- 100,000-Hour LED Life
- Up to 25% Reduction in Fixture Count
- Hanging Plate with Hooks Included for Easy Wiring
- 5-Year Warranty



CATALOG NUMBERS

Catalog # Bronze	Catalog # White	LED Watts	Input Watts	Color Temp/ Uniformity†	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
GLED52	GLED52W	52	60	Cool (5000K) / 7 Step	67 CRI	3644	60	8-12'	100-277V
GLED52N	GLED52NW	52	61	Neutral (4000K) / 3 Step	88 CRI	2627	43	8-12'	100-277V
GLED52Y	GLED52YW	52	61	Warm (3000K) / 3 Step	86 CRI	2412	40	8-12'	100-277V
GLED78	GLED78W	78	90	Cool (5000K) / 7 Step	68 CRI	5668	63	8-12'	100-277V
GLED78N	GLED78NW	78	91	Neutral (4000K) / 3 Step	88 CRI	4084	45	8-12'	100-277V
GLED78Y	GLED78YW	78	90	Warm (3000K) / 3 Step	86 CRI	3681	41	8-12'	100-277V
GPLED52	GPLED52W	52	60	Cool (5000K) / 7 Step	67 CRI	3644	60	8-12'	100-277V
GPLED52N	GPLED52NW	52	61	Neutral (4000K) / 3 Step	88 CRI	2627	43	8-12'	100-277V
GPLED52Y	GPLED52YW	52	61	Warm (3000K) / 3 Step	86 CRI	2412	40	8-12'	100-277V
GPLED78	GPLED78W	78	90	Cool (5000K) / 7 Step	68 CRI	5668	63	8-12'	100-277V
GPLED78N	GPLED78NW	78	91	Neutral (4000K) / 3 Step	88 CRI	4084	45	8-12'	100-277V
GPLED78Y	GPLED78YW	78	90	Warm (3000K) / 3 Step	86 CRI	3681	41	8-12'	100-277V

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

ACCESSORIES

Catalog

- HS45-A** Hang Straight 45° ½" NPS Swivel Mount - Bronze **HS45-W** Hang Straight 45° ½" NPS Swivel Mount - White
HS90-A Hang Straight 90° ½" NPS Swivel Mount - Bronze **HS90-W** Hang Straight 90° ½" NPS Swivel Mount - White **GLEDMP** Ceiling Mounting Plate
LFGLED Replacement Prismatic Lens & Door, Bronze **LFGLEDW** Replacement Prismatic Lens & Door, White

BUY WITH CONFIDENCE



For GLED52, GLED78, GPLED52 and GPLED78 only





BAYLED78
78W High Bay



AISLED78
78W Aisle Lighter

SPECIFICATIONS

UL Listing

Suitable for damp locations with cord and hook.
Suitable for wet locations with 3/4" pendant stem.

LEDs

Three multi-chip, 26W high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on
IES LM-80 results and TM-21 calculations*.

Drivers (3)

Constant Current, 720mA, Class 2 with 6 KV
surge protection, 100 - 277VAC, 50/60 Hz

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 55°C (131°F)

Thermal Management

Superior heat sinking with external
Air-Flow fins

Housing

Precision die-cast aluminum housing and door
frame with 3-foot 600V power cord

Mounting

Heavy-duty 3/4" NPS hook and 3-foot safety chain

Lens

Tempered glass

Reflector

Specular vacuum metallized polycarbonate.
AISLED78 reflector provides superior rectangular
distribution pattern specifically designed for
aisle lighting.

Gaskets

High-temperature silicone

Finish

White chip and fade resistant polyester powder
coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in
MacAdam ellipses and is shown on the table
to the right. RAB LED Color Stability is
measured based on LM-80 testing and is
available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an
independent laboratory in accordance with
IESNA LM-79 and LM-80, and have received the
Department of Energy "Lighting Facts" label.

Patents

The design of the BAYLED™ is protected by
patents pending in US, Canada, China, Taiwan
and Mexico.

**See TM-21 explanation on page 8.*

Replaces 250W metal halide high bays & reduces energy consumption by 70%.

FEATURES

BAYLED78
78W High Bay



High-output. High-efficiency. Designed for delivering uniform light distribution in large areas.

AISLED78
78W Aisle Lighter



Aisle model delivers uniform vertical light distribution that is much more effective than the uneven "scallop" effect produced by most high bays.

Superior thermal management with external Air-Flow fins



Mounting: Heavy-duty 3/4" NPS hook and 3-foot safety chain



Optional: high bay occupancy sensor and mounting hardware

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temp/ Uniformity†	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
BAYLED78W	78	96	Cool (5000K) / 7 Step	68 CRI	7612	79	15-25'	100-277V
BAYLED78NW	78	96	Neutral (4000K) / 3 Step	84 CRI	6461	69	15-25'	100-277V
BAYLED78YW	78	96	Warm (3000K) / 3 Step	82 CRI	5713	59	15-25'	100-277V
AISLED78W	78	96	Cool (5000K) / 7 Step	68 CRI	6322	66	15-25'	100-277V
AISLED78NW	78	96	Neutral (4000K) / 3 Step	85 CRI	5453	58	15-25'	100-277V
AISLED78YW	78	96	Warm (3000K) / 3 Step	82 CRI	4971	52	15-25'	100-277V

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

ACCESSORIES

Catalog

GDBAYLED78W Wire Guard, Chrome

LFBAYLED78W Replacement Lens & Frame, White

GDBAYLED78P Polyshield Guard, Clear

LOSBA800 High Bay Occupancy Sensor, White

GDBAYLED78FP Polyshield Guard, Frosted

LOSBA7MK Mounting Kit (For AISLELED78 Only)

BUY WITH CONFIDENCE



IP65
RATING

With 3/4" pendant stem only

lighting facts
LED Product Partner





CLED2x20
(Shown with optional CLEDBB Surface Junction Box)



CLED2x10



CLED78

SPECIFICATIONS

UL Listing

Suitable for wet locations.

LEDs

CLED2x10, 2x13, 2x20, 2x26: Multi-chip 10 and 13W high-output long-life LEDs

CLED52: Four multi-chip, 13W high-output, long-life LEDs

CLED78: Six multi-chip, 13W high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

CLED 2x10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.6 Amps, Power Factor: 57%

CLED 2x13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.3 Amps, THD ≤ 20%, Power Factor: 98%

CLED 2x20: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 1000mA, 100-240VAC: 0.5 Amps, 277VAC: 0.25 Amps, THD ≤ 10%, Power Factor: 98%

CLED 2x26: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.8 Amps, THD ≤ 20%, Power Factor: 99%

CLED52 Drivers (2): Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -277VAC, 50/60 Hz, Power Factor: 99%

CLED78 Drivers (3): Constant Current, 720mA, Class 2 with 6 KV surge protection, 100 -277VAC, 50/60 Hz, Power Factor: 99%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

CLED2x10, 2x13, 2x20, 2x26: Die-cast aluminum thermal management system for optimal heat dissipation

CLED52 & 78: Superior heat sinking with integrated Air-Flow fins

Housing

Precision die-cast aluminum housing and lens framing

Reflector

CLED2x10, 2x13 & 2x20: Specular aluminum

CLED2x26: Vacuum metalized polycarbonate

CLED52 & 78: Semi-specular anodized aluminum

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & IESNA LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Patents

RAB LED Ceiling fixtures are protected by patents pending in U.S., Canada, China, Taiwan and Mexico.

*See TM-21 explanation on page 8.

High quality, high performance.

Reduces operating and maintenance costs.

PERFORMANCE COMPARISON



	CLED2x10	CLED2x13	CLED2x20	CLED2x26	CLED52	CLED78
LED Watts / Input Watts	20W / 25.7W	26W / 30.3W	40W / 43W	52W / 59.1W	52W / 60.5W	78W / 90.3W
Delivered Lumens	1045	2006	2746	3652	3485	5238
Equivalency	32W CFL	70W MH	100W MH	175W MH	175W MH	200W MH
Replacement Range	32-42W CFL up to 70W MH	70-100W MH	100-150W MH	100-250W MH	100-175W MH	150-200W MH

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temp/ Uniformity ¹	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
CLED2x10	2 x 10 (20W)	26	Cool (5000K) / 7 Step ¹	75 CRI	1045	41	8'-15'	100-240V
CLED2x13	2 x 13 (26W)	30	Cool (5000K) / 7 Step ²	67 CRI	2006	66	8'-15'	100-277V
CLED2x20	2 x 20 (40W)	43	Cool (5000K) / 7 Step ¹	66 CRI	2746	64	8'-15'	100-277V
CLED2x26	2 x 26 (52W)	59	Cool (5100K) / 7 Step ²	69 CRI	3652	62	15'-25'	100-277V
CLED52	52	62	Cool (5000K) / 7 Step ²	66 CRI	3485	57	15'-25'	100-277V
CLED78	78	91	Cool (5000K) / 7 Step ²	66 CRI	5238	58	15'-25'	100-277V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

¹3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. ²3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation. For Warm light (3000K) add "Y" before color suffix (Example: CLED2x10YW) • For Neutral White Light (4000K) - add "N" before color suffix (Example: CLED2x26NW).

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: CLED2x26W).

ACCESSORIES

Catalog #

CLEDBB Surface Mounting Box for CLED 2x10, 13, 20 & 26.

BUY WITH CONFIDENCE



Fully Shielded
Full Cutoff Optics



For use on LEED buildings to attain
Light Pollution Reduction Credit



LED Product Partner



SUITABLE FOR WET LOCATIONS

PLED™

LED PENDANTS



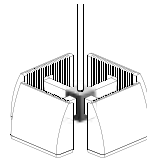
PLED78
(Pendant by others)



PLED2x20



PLED2x10/UP



PAD4*
*For use with ALED luminaires (see pg.20)

SPECIFICATIONS

UL Listing

PLED2x20 & 2x26: Suitable for wet locations as Uplight.

PLED2x10 & 2x13: Suitable for damp locations.

PLED52 & 78: Suitable for wet locations.

LEDs

PLED2x10, 2x13, 2x20, 2x26: Multi-chip 10 and 13W high-output long-life LEDs

PLED52: Four multi-chip, 13W high-output, long-life LEDs

PLED78: Six multi-chip, 13W high-output, long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

PLED 2x10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.6 Amps, Power Factor: 57%

PLED 2x13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.3 Amps, THD ≤ 20% Power Factor: 98%

PLED 2x20: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 1000mA, 100-240VAC: 0.5 Amps, 277VAC: 0.25 Amps, THD ≤ 10%, Power Factor: 98%

PLED 2x26: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.8 Amps, THD ≤ 20%, Power Factor: 99%

PLED52 Drivers (2): Constant Current, 720mA, Class 2 with 6 kV surge protection, 100 -277VAC, 50/60 Hz, Power Factor: 99%

PLED78 Drivers (3): Constant Current, 720mA, Class 2 with 6 kV surge protection, 100 -277VAC, 50/60 Hz, Power Factor: 99%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

PLED2x10, 2x13, 2x20, 2x26: Die-cast aluminum thermal management system for optimal heat dissipation.

PLED52 & 78: Superior heat sinking with external Air-Flow fins

Housing

Precision die-cast aluminum housing and lens framing

Reflector

PLED2x10, 2x13, 2x20, 2x26: Specular aluminum

PLED52 & 78: Semi-specular anodized aluminum

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & IESNA LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

IP Rating

Please visit rabweb.com for IP Ratings

Pendants

PLED2x10, 13 20 & 26: Includes 6", 12" and 18" Pendant tubes with hang straight swivel. Can be joined for up to 36" length 3/8" NPS.
PLED52 & PLED78: Pendants for the are supplied by others 1/2" NPS.

Patents

RAB LED Pendant fixtures are protected by patents pending in U.S., Canada, China, Taiwan and Mexico.

*See TM-21 explanation on page 8.

High quality, high performance.

Reduces operating and maintenance costs.

PERFORMANCE COMPARISON



	PLED2x10	PLED2x13	PLED2x20	PLED2x26	PLED52	PLED78
LED Watts / Input Watts	20W / 25.7W	26W / 30.3W	40W / 43W	52W / 59.1W	52W / 60.5W	78W / 90.3W
Delivered Lumens	1045	2006	2746	3652	3485	5238
Equivalency	32W CFL	70W MH	100W MH	175W MH	175W MH	200W MH
Replacement Range	32-42W CFL up to 70W MH	70-100W MH	100-150W MH	100-250W MH	100-175W MH	150-200W MH

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temp/ Uniformity†	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
PLED2x10	2 x 10 (20W)	25.7	Cool (5000K) / 7 Step ¹	75 CRI	1045	41	8'-15'	100-240V
PLED2x13	2 x 13 (26W)	30.3	Cool (5000K) / 7 Step ²	67 CRI	2006	66	8'-15'	100-277V
PLED2x20	2 x 20 (40W)	43.0	Cool (5000K) / 7 Step ¹	66 CRI	2746	64	8'-15'	100-277V
PLED2x26	2 x 26 (52W)	59.1	Cool (5100K) / 7 Step ²	69 CRI	3652	62	15'-25'	100-277V
PLED52	52	61.7	Cool (5000K) / 7 Step ²	66 CRI	3485	57	15'-25'	100-277V
PLED78	78	90.3	Cool (5000K) / 7 Step ²	66 CRI	5238	58	15'-25'	100-277V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

¹3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. ²3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation. For Warm light (3000K) add "Y" before color suffix (Example: PLED2x10YW) - For Neutral White Light (4000K) - add "N" before color suffix (Example: PLED2x26NW). For Uplight Pendant Fixtures, add suffix /UP after Catalog # (Example: PLED2x10/UP) - 10W and 13W suitable for damp locations in upright position.

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: PLED2x26W).

Catalog #	Description	Thread	Color
PAD2	Pendant 2X Adaptor	½" NPS	Bronze
PAD2W	Pendant 2X Adaptor	½" NPS	White
PAD2-3/4	Pendant 2X Adaptor	¾" NPS	Bronze
PAD2W-3/4	Pendant 2X Adaptor	¾" NPS	White
PAD4	Pendant 4X Adaptor	½" NPS	Bronze
PAD4W	Pendant 4X Adaptor	½" NPS	White
PAD4-3/4	Pendant 4X Adaptor	¾" NPS	Bronze
PAD4W-3/4	Pendant 4X Adaptor	¾" NPS	White

All PAD2 and PAD4 Adaptors are to be used with ALED luminaires only. Pendant supplied by others.

ACCESSORIES

Catalog

HS45-A Hang Straight 45° ½" NPS Swivel Mount - Bronze **HS45-W** Hang Straight 45° ½" NPS Swivel Mount - White

HS90-A Hang Straight 90° ½" NPS Swivel Mount - Bronze **HS90-W** Hang Straight 90° ½" NPS Swivel Mount - White

BUY WITH CONFIDENCE



Fully Shielded
Full Cutoff Optics



For use on LEED buildings to attain
Light Pollution Reduction Credit



SUITABLE FOR WET LOCATIONS

LFLOOD®

LED FLOODLIGHTS



LFLED5
Flood and Spot
Options

HBLED10
Flood and Spot
Options

HSLED13
Tight Spot

SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground. DC fixtures not UL Listed.

LEDs

LFLED5: Multi-chip 5W high-output, long-life LED

HBLED10: Multi-chip 10W high-output, long-life LED

HBLED13: Multi-chip 13W high-output, long-life LED

HSLED13: Multi-chip 13W high-output, long-life LED

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

LFLED5: Constant Current, Class 2, 50/60 Hz, 100 - 240VAC: 0.18 Amps.

HBLED10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.3 Amps.

HBLED13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps, THD ≤ 20%, Power Factor: 96%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Die-cast aluminum thermal management system for optimal heat dissipation

Housing

Precision die-cast aluminum housing, lens frame and mounting arm

Reflector

Specular aluminum

Gaskets

High-temperature silicone

Finish

White, Bronze, Black or Verde Green chip and fade resistant polyester powder coat finish. LFLED5 also available in Brass designed for marine use.

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Patents

RAB LED Floodlight designs are protected by patents pending in U.S., Canada, China, and Taiwan.

*See TM-21 explanation on page 8.

Landscape lighting that is always spot on.

FEATURES

LFLED5

- Microprismatic diffusion lens for smooth and even light distribution
- Available in five finishes
- Brass fixture combined with brass junction box is UL Marine Listed (LFLED5YMBR, LFLED5NMBR, LFLED5MBR)
- Optional spot hood reflector available



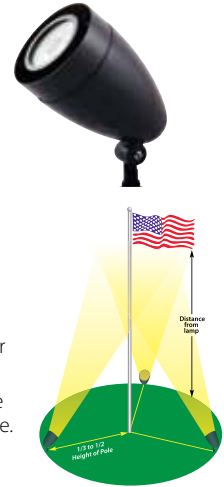
HBLED

- Comes with both spot and flood reflectors
- Available in 10 and 13 Watt
- Glare shield for effective light control
- Available in four finishes



HSLED13

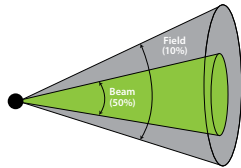
- Spot lighting for over 40 feet away
- Perfect for flag lighting
- Available in four finishes



FLAG LIGHTING TIPS

- Use at least 2, preferably 3 lights in a triangle so the flag is well lit no matter which direction the wind is blowing.
- Install fixtures away from the flag pole about 1/3 to 1/2 the height of the pole.

FIELD & BEAM ANGLES



LFLED5 (Flood) - NEMA Type 4H x 4V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	44°	65°
Vertical	44°	64°

HBLED10 (Flood) - NEMA Type 5H x 5V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	76°	96°
Vertical	76°	96°

HBLED13 (Flood) - NEMA Type 5H x 5V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	65°	96°
Vertical	65°	96°

HSLED13 - NEMA Type 2H x 2V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	11°	24°
Vertical	12°	24°

LFLED5 (Spot) - NEMA Type 3H x 3V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	21°	40°
Vertical	20°	39°

HBLED10 (Spot) - NEMA Type 4H x 4V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	29°	75°
Vertical	29°	75°

HBLED13 (Spot) - NEMA Type 4H x 4V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	26°	60°
Vertical	26°	60°

Percentages represent percentage of maximum beam candlepower.

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temp/Uniformity [†]	CRI	Spot			Flood			Mounting Height Range	Voltage
					Lumens	Lumens per Watt	NEMA Type ^{††}	Lumens	Lumens per Watt	NEMA Type ^{††}		
LFLED5A	5	5.1	Cool (5000K) / 7 Step ¹	68	250 ^{†††}	49 ^{†††}	3H x 3V ^{†††}	299	59	4H x 4V	Ground - 10'	100-240V
LFLED5BR	5	5.1	Cool (5000K) / 7 Step ¹	68	250 ^{†††}	49 ^{†††}	3H x 3V ^{†††}	299	59	4H x 4V	Ground - 10'	100-240V
LFLED5MBR	5	5.1	Cool (5000K) / 7 Step ¹	68	250 ^{†††}	49 ^{†††}	3H x 3V ^{†††}	299	59	4H x 4V	Ground - 10'	100-240V
HBLED10A	10	13.3	Cool (5200K) / 7 Step ¹	61	400	31	4H x 4V	338	25	5H x 5V	Ground - 15'	100-240V
HBLED10DCA	10	13.3	Cool (5200K) / 7 Step ¹	61	400	31	4H x 4V	338	25	5H x 5V	Ground - 15'	10-30VDC
HBLED13A	13	15.3	Cool (5000K) / 7 Step ²	69	820	54	5H x 5V	724	47	5H x 5V	Ground - 15'	100-277V
HBLED13DCA	13	15.3	Cool (5000K) / 7 Step ²	69	820	54	5H x 5V	724	47	5H x 5V	Ground - 15'	10-30VDC
HSLED13	13	15.2	Cool (5100K) / 7 Step ²	52	787	52	2H x 2V	-----	---	---	Ground - 15'	100-277V
HSLED13DCA	13	15.2	Cool (5100K) / 7 Step ²	52	787	52	2H x 2V	-----	---	---	Ground - 15'	10-30VDC

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

¹3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. ²3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

[†]In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

^{††}For beam field & angle information, see chart on page 50. ^{†††}With optional Spot Hood Reflector Kit

Finishes: For Black, White or Verde Green finish, add suffix B, W, or VG in place of Bronze (A) Catalog number (Example: HSLED13YB).

LFLED5 - For Brass finish, add suffix BR at the end of the Catalog number (Example: LFLED5YBR).

ACCESSORIES FOR LFLED5

Catalog

LSLFLEDA Bronze Spot Reflector Kit **LSLFLEDB** Black Spot Reflector Kit **LSLFLEDW** White Spot Reflector Kit **LSLFLEDVG** Verde Green Spot Reflector Kit
LSLFLEDBR Brass Spot Reflector Kit **MMCAP2BR** 2" Brass Mighty Post Cap **MMCAP3BR** 3" Brass Mighty Post Cap **VXJ1BR** 4" Junction Box w/cover, 1/2" NPS threaded

BUY WITH CONFIDENCE



lighting facts
LED Product Partner

UL US LISTED
SUITABLE FOR WET LOCATIONS

LFLOOD®

LED FLOODLIGHTS



FFLED18



FFLED39



FXLED78
(Slipfitter mount shown)



EZLED78
(Slipfitter mount shown)

SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground. DC fixtures not UL Listed.

LEDs

FFLED18: 6 Watt high-output long-life LEDs

FFLED39 & FXLED78: 13 Watt high-output long-life LEDs

EZLED78: 26 Watt high-output long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

13W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 700mA, 100-277VAC: 0.4 Amps, THD ≤ 20% Power Factor: 99%

26W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kV Surge Protection, 720mA, 100-277VAC: 0.4 Amps, THD ≤ 20%, Power Factor: 99%

FFLED39: (1) 13W Driver plus (1) 26W Driver. See 13W and 26W Driver details.

FFLED78: (3) 26W Drivers. See 26W Driver details.

EZLED78: (3) 26W Drivers. See 26W Driver details.

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Superior heat sinking with external Air-Flow fins (Patent Pending)

Housing

Precision die-cast aluminum housing and hood

Reflector

FFLED18, 39 & FX78:

Semi-specular anodized aluminum

EZLED78:

Specular vacuum metalized polycarbonate

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Patents

RAB LED Floodlight designs are protected by patents pending in U.S., Canada, China, and Taiwan.

*See TM-21 explanation on page 8.

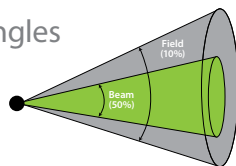
Move over HID... meet the new faces of floodlights!

PERFORMANCE COMPARISON

	 FFLED18*	 FFLED39*	 FXLED78 (Trunnion mount shown)	 EZLED78 (Trunnion mount shown)
LED Watts / Input Watts	18W / 22.4W	38W / 45W	78W / 91W	78W / 94W
Lumen Output	1624	2991	5927	5765
Equivalency	70W MH	150W MH	250W MH	250W MH
Replacement Range	35-150W MH	100-175W MH	150-320W MH	150-320W MH
Weight	4.8 lbs.	12.5 lbs.	24 lbs.	27.5 lbs.

*It is recommended that the FFLED18 and FFLED39 be mounted with the RAB XC1 Heavy Duty Cover and the RAB VXC.

Field & beam angles



FFLED18 - NEMA Type 7H x 6V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	102°	151°
Vertical	66°	108°

FXLED78 - NEMA Type 6H x 5V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	96°	127°
Vertical	59°	94°

EZLED78 - NEMA Type 4H x 4V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	37°	55°
Vertical	37°	55°

FFLED39 - NEMA Type 7H x 6V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	136°	161°
Vertical	50°	100°

EZLED78 - NEMA Type 3H x 3V

	Beam Angle (50%)	Field Angle (10%)
Horizontal	26°	46°
Vertical	26°	44°

Percentages represent percentage of maximum beam candlepower.

CATALOG NUMBERS

Floodlight Catalog #	LED Watts	Input Watts	Color Temp/Uniformity†	CRI	Lumen Output	Lumens per Watt	NEMA Type††	Mounting Height Range	Voltage
FFLED18	18	22.4	Cool (5100K) / 7 Step ¹	70	1624	73	7H x 6V	Ground-15'	100-277V
FFLED18DC	18	22.4	Cool (5100K) / 7 Step ¹	70	1624	73	7H x 6V	Ground-15'	10-30VDC
FFLED39	38	45.0	Cool (5100K) / 7 Step ¹	68	2991	66	7H x 6V	Ground-20'	100-277V
FFLED39T*	38	45.0	Cool (5100K) / 7 Step ¹	68	2991	66	7H x 6V	Ground-20'	100-277V
FFLED39SF**	38	45.0	Cool (5100K) / 7 Step ¹	68	2991	66	7H x 6V	Ground-20'	100-277V
FXLED78T*	78	91.0	Cool (5100K) / 7 Step ¹	67	5927	65	6H x 5V	Ground-35'	100-277V
FXLED78SF**	78	91.0	Cool (5100K) / 7 Step ¹	67	5927	65	6H x 5V	Ground-35'	100-277V
Spotlight									
EZLED78T*	78	94.4	Cool (5100K) / 7 Step ¹	66	5765	61	3H x 3V	Ground-35'	100-277V
EZLED78SF**	78	94.4	Cool (5100K) / 7 Step ¹	66	5765	61	3H x 3V	Ground-35'	100-277V
EZLED78TB44*	78	94.4	Cool (5100K) / 7 Step ¹	66	5765	61	4H x 4V	Ground-35'	100-277V
EZLED78SFB44**	78	94.4	Cool (5100K) / 7 Step ¹	66	5765	61	4H x 4V	Ground-35'	100-277V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm. ¹3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of for defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

†† For beam field & angle information, see chart on page 46. *T designates Trunnion Mount. **SF designates Slipfitter Mount.

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: FXLED78TYW).

For Photocell option for FFLED18, 39 - add "PC" for 120V, "PC2" suffix for 277V after color suffix (Example: FFLED18/PC, FFLED39/PC2)

For Swivel Photocell option for FXLED78SF - add "PCS" suffix for 120V, "PCS2" suffix for 277V after color suffix (Example: FXLED78SF/PCS, FXLED78SF/PCS2).

OPTIONS

Catalog

FFLED18/E 120V-277V Standard Emergency Battery Backup FFLED18/EC 120V-277V Cold Weather Emergency Battery Backup

ACCESSORIES

Catalog

GDFLED18W Wire Guard GDFLED18P Shield GDFLED39W Wire Guard GDFLED39P Shield GDFXLED78W Wire Guard GDFXLED78P Shield
 GDEZLED78W Wire Guard GDEZLED78P Shield LFFLED18 Replacement lens and doorframe LFFLED18W Replacement lens and doorframe, White
 LFFLED39 Replacement lens and doorframe LFFLED39W Replacement lens and doorframe, White LEZLED78 Replacement lens and doorframe
 LEZLED78 Replacement lens and doorframe, White LFXLED78 Replacement lens and doorframe LFXLED78W Replacement lens and doorframe, White

BUY WITH CONFIDENCE



For FFLED18, FFLED39, FXLED78 and EZLED78 only





WPLED20MS
(WPLED20 + SMS500)



STL3FFLED18
(FFLED18 + STL360)



STL1HBLEDD2x13W
(HBLEDD13 + STL110)

SPECIFICATIONS

UL Listing

Suitable for wet locations.

Sensors

SMS500: Switching Capacity: 5 Amps; 500W Incandescent @120V, 250W Fluorescent; 750 Watts LED @120 Volts 0.8pF Driver; 8 Amps, 300 Watts LED @120 Volts 0.5pF Driver; 120V AC 60HZ; Power Consumption 1W; Time Adjustment 5 Sec. to 15 Min; Surge Protection up to 3000V.

STL110: Switching Capacity: 8 Amps; 1000W Incandescent @120V, 250W Fluorescent; 750 Watts LED @120 Volts 0.8pF Driver; 8 Amps, 500 Watts LED @120 Volts 0.5pF Driver; 120V AC 60HZ; Power Consumption 1W; Time Adjustment 5 Sec. to 12 Min; Surge Protection up to 6000V.

STL200: Switching Capacity: 8 Amps; 1000W Incandescent @120V, 250W Fluorescent; 750 Watts LED @120 Volts 0.8pF Driver; 8 Amps, 500 Watts LED @120 Volts 0.5pF Driver; 120V AC 60HZ; Power Consumption 1W; Time Adjustment 5 Sec. to 12 Min; Surge Protection up to 6000V.

STL360: Switching Capacity: 8 Amps, 750 Watts LED @120 Volts 0.8pF Driver; 8 Amps, 500 Watts LED @120 Volts 0.5pF Driver; 120V AC 60HZ; Power Consumption 1W; Time Adjustment 5 Sec. to 12 Min; Surge Protection up to 6000V.

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Ambient Temperature

Suitable for use in 40°C (104°F)

Housing

Precision die-cast aluminum housing, lens frame, mounting arm

Reflector

Specular aluminum except for **FFLED18MS** and **STL3FFLED18:** Semi-specular anodized aluminum. **WPLED26MS:** Semi-specular vacuum metalized polycarbonate.

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Patents

RAB LSTEALTH designs are protected by patents pending in U.S., Canada, China, and Taiwan.

*See TM-21 explanation on page 8.

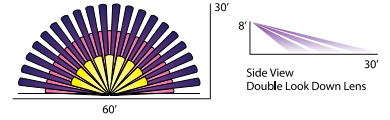
The sensor you trust now in LED!

LED and best-in-class sensor technology.

SENSOR DETECTION PATTERNS

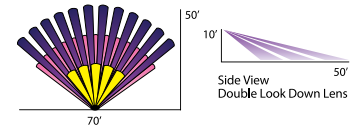


STEALTH Performance in a Cost-Effective Package
SMS500 - Small sensor. Full 180° coverage with universal swivel

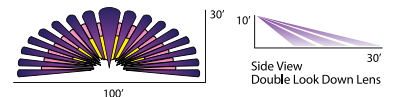


High Quality, Low Maintenance, No Callbacks

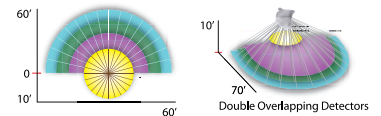
STL110 - 110° view, double look-down lens, reaches 70' wide and 50' out



STL200 - 200° view, double look-down lens, reaches 100' wide and 30' out



STL360 - Security-grade sensor has two detectors for 360° downward and 180° forward coverage.



CATALOG NUMBERS

Wallpacks Catalog #	LED Watts	Input Watts	Color Temp/Uniformity [†]	CRI	Lumen Output	Voltage
WPLED10MS	10	13	Cool (5000K) / 7 Step ¹	92	547	120V
WPLED13MS	13	15	Cool (5000K) / 7 Step ²	66	1064	120V
WPLED20MS	20	22	Cool (5000K) / 7 Step ¹	70	1401	120V
WPLED26MS	26	30	Cool (5000K) / 7 Step ²	66	1816	120V

Floodlights Catalog #	LED Watts	Input Watts	Color Temp/Uniformity [†]	CRI	Lumens	Spot		Flood			
						Lumens per Watt	NEMA Type	Lumens	Lumens per Watt	NEMA Type	Voltage
STL1HBLED10	10	13	Cool (5200K) / 7 Step ¹	61	400	30	4H x 4V	338	25	5H x 5V	120V
STL1HBLED2x10	20	26	Cool (5200K) / 7 Step ¹	61	800	30	4H x 4V	676	25	5H x 5V	120V
STL2HBLED10	10	13	Cool (5200K) / 7 Step ¹	61	400	30	4H x 4V	338	25	5H x 5V	120V
STL2HBLED2x10	20	26	Cool (5200K) / 7 Step ¹	61	800	30	4H x 4V	676	25	5H x 5V	120V
STL3HBLED10	10	13	Cool (5200K) / 7 Step ¹	61	400	30	4H x 4V	338	25	5H x 5V	120V
STL3HBLED2x10	20	26	Cool (5200K) / 7 Step ¹	61	800	30	4H x 4V	676	25	5H x 5V	120V
STL1HBLED13	13	15	Cool (5000K) / 7 Step ²	69	820	54	4H x 4V	724	47	5H x 5V	120V
STL1HBLED2x13	26	30	Cool (5000K) / 7 Step ²	69	1640	54	4H x 4V	1448	47	5H x 5V	120V
STL2HBLED13	13	15	Cool (5000K) / 7 Step ²	69	820	54	4H x 4V	724	47	5H x 5V	120V
STL2HBLED2x13	26	30	Cool (5000K) / 7 Step ²	69	1640	54	4H x 4V	1448	47	5H x 5V	120V
STL3HBLED13	13	15	Cool (5000K) / 7 Step ²	69	820	54	4H x 4V	724	47	5H x 5V	120V
STL3HBLED2x13	26	30	Cool (5000K) / 7 Step ²	69	1640	54	4H x 4V	1448	47	5H x 5V	120V
FFLED18MS	18	22	Cool (5100K) / 7 Step ²	70	---	---	---	1624	73	7H x 6V	120V
STL3FFLED18	18	22	Cool (5100K) / 7 Step ²	70	---	---	---	1624	73	7H x 6V	120V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.
¹3000K / 7 Step MacAdam Ellipse - 4000K / 7 Step MacAdam Ellipse. ²3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.
[†] In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

Finishes: For White finish, add suffix W at the end of the Catalog number (Example: STL3FFLED18W).
 For Warm light (3000K) add "Y" before color suffix (Example: STL1HBLED2x10YW) • For Neutral White Light (4000K) add "N" before color suffix (Example: WPLED26MSNW).

ACCESSORIES Catalog # **GDDFFLED18W** Wire Guard **GDDFFLED18P** Shield

BUY WITH CONFIDENCE



Fully Shielded Full Cutoff Optics
 *For Wallpacks Only



For use on LEED buildings to attain
 Light Pollution Reduction Credit
 *For Wallpacks Only



SUITABLE FOR WET LOCATIONS



LED Product Partner



SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground.

LEDs

Multi-chip 5, 10 and 13W high-output long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

BLED5: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection 350mA, 0.18 Amps.

BLED2x5: 0.36 Amps.

BLED10: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.3 Amps.

BLED2x10: 0.6 Amps

BLED13: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 720mA, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps, THD ≤ 20% Power Factor: 98%

BLED2x13: 0.6 - 0.3 Amps, 277VAC: 0.3 Amps.

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

BLED5 & 10: Suitable for use in 40°C (104°F)

BLED13: Suitable for use in 50°C (122°F)

Thermal Management

Die-cast aluminum thermal management system for optimal heat dissipation

Housing

Precision die-cast aluminum housing, lens frame

Reflector

Specular aluminum except for BLED5.

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Bollard

18", 36" and 42" lengths available for 5 Watt Bollard. 42" length for 10 and 13 Watt Bollards.

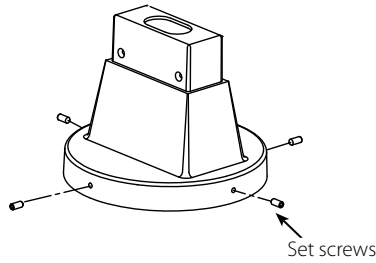
Patents

RAB LED BLED designs are protected by U.S. patents and patents pending in U.S., Canada, China, Taiwan and Mexico.

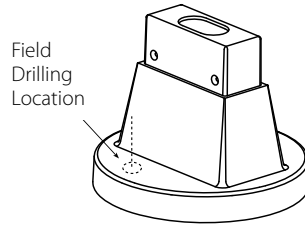
**See TM-21 explanation on page 8.*

Affordable LED pathway lighting

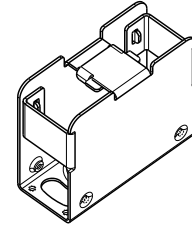
MOUNTING OPTIONS



BOLBASE
(For New Construction)



BOLBASE RETRO
For Retrofit
(Existing Non-RAB bollard bases)



IMPROVED BOLLARD
(Standard Mounting Plate for Stability)

CATALOG NUMBERS

Catalog # Bronze	Catalog # White	LED Watts	Input Watts	Color Temp/ Uniformity†	Lumen Output	Lumens per Watt	Voltage
1 FIXTURE	1 FIXTURE						
BLED5-18*	BLED5-18W*	5	5	Cool (5000K) / 7 Step	196	37	100-240V
BLEDR5-18*	BLEDR5-18W*	5	5	Cool (5000K) / 7 Step	213	41	100-240V
2 FIXTURE	2 FIXTURE						
BLED2x5-18*	BLED2x5-18W*	5	11	Cool (5000K) / 7 Step	392	37	100-240V
BLEDR2x5-18*	BLEDR2x5-18W*	5	11	Cool (5000K) / 7 Step	426	41	100-240V

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

†In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

*Also Available in 36" and 42" Bollard lengths - Replace suffix 18 with 36 or 42 (Example: BLED5-36).

For Warm light (3000K) add "Y" before color suffix (Example: BLED5-18YW) • For Neutral White Light (4000K) - add "N" before color suffix (Example: BLED5-18NW).

1 FIXTURE	1 FIXTURE						
BLED10	BLED10W	10	13	Cool (5000K) / 7 Step	547	41	100-240V
BLED10Y	BLED10YW	10	13	Warm (3000K) / 7 Step	410	31	100-240V
2 FIXTURE	2 FIXTURE						
BLED2x10	BLED2x10W	20	27	Cool (5000K) / 7 Step	1094	41	100-240V
BLED2x10Y	BLED2x10YW	20	27	Warm (3000K) / 7 Step	820	31	100-240V
1 FIXTURE	1 FIXTURE						
BLED13	BLED13W	13	15	Cool (5000K) / 7 Step	1064	71	100-277V
BLED13Y	BLED13YW	13	15	Warm (3000K) / 3 Step	662	44	100-277V
2 FIXTURE	2 FIXTURE						
BLED2x13	BLED2x13W	26	30	Cool (5000K) / 7 Step	2128	71	100-277V
BLED2x13Y	BLED2x13YW	26	30	Warm (3000K) / 3 Step	1324	44	100-277V
1 FIXTURE	1 FIXTURE						
BLED20	BLED20W	20	22	Cool (5000K) / 7 Step	1401	65	100-277V
BLED20Y	BLED20YW	20	22	Warm (3000K) / 7 Step	662	44	100-277V
2 FIXTURE	2 FIXTURE						
BLED2x20	BLED2x20W	40	44	Cool (5000K) / 7 Step	2802	65	100-277V
BLED2x20Y	BLED2x20YW	40	44	Warm (3000K) / 7 Step	1970	45	100-277V

Please visit rabweb.com for details on neutral.

†In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

For Neutral White Light (4000K) - add "N" before color suffix (Example: BLED13NW).

BUY WITH CONFIDENCE



Fully Shielded
Full Cutoff Optics



For use on LEED buildings to attain
Light Pollution Reduction Credit



SUITABLE FOR WET LOCATIONS



VXBRLED13DG
VXBRLED26DG



VXLED13DG/UP
VXLED26DG/UP



VXBRLED13DG/UP BLU

SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground.

LEDs

Multi-chip single 13W or 26W high-output long-life LEDs

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

VXLED13: Constant Current, 100V-277V, 50/60 Hz, 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps, THD ≤ 20% Power Factor: 98%

VXLED26: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277VAC: 0.4 Amps, THD ≤ 20%, Power Factor: 97.9%

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management (Patent Pending)

Die-cast LED housing designed for maximum heat dissipation

Housing

Precision die-cast aluminum housing, lens frame

Mounting

(3) 1/2" NPS conduit entry points. Also available as an uplight.

Gaskets

High-temperature silicone

Finish

Natural shot blasted aluminum

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Guard and Globe

Shot blasted guard with frosted globe

Patents

RAB LED Vaporproofs are protected by patents pending in U.S., Canada, China and Taiwan.

**See TM-21 explanation on page 8.*

Traditional look with cutting-edge technology.

MOUNTING FLEXIBILITY



VXLED13, VXLED26, VXBRLED13 and VXBRLED26 must be customized with globes below

ACCESSORIES

Round Bottom Glass



Reflectors



Permaglobes, Unbreakable Polycarbonate



Die-Cast Guard



Wire Guards



NOTE: Replacement Frosted Globe: GL100FR

CATALOG NUMBERS

Catalog Number	LED Watts	Input Watts	Color Temp/ Uniformity†	Lumen Output*	Lumens per Watt*	Voltage
VXLED13DG	13	15	Cool (5000K) / 7 Step ¹	729	48	100-277V
VXLED13DG/UP	13	15	Cool (5000K) / 7 Step ¹	729	48	100-277V
VXBRLED13DG	13	15	Cool (5000K) / 7 Step ¹	729	48	100-277V
VXBRLED13DG/UP	13	15	Cool (5000K) / 7 Step ¹	729	48	100-277V
VXLED26DG	26	30	Cool (5000K) / 7 Step ¹	1955	66	100-277V
VXLED26DG/UP	26	30	Cool (5000K) / 7 Step ¹	1955	66	100-277V
VXBRLED26DG	26	30	Cool (5000K) / 7 Step ¹	1955	66	100-277V
VXBRLED26DG/UP	26	30	Cool (5000K) / 7 Step ¹	1955	66	100-277V
VXLED13DG/UP BLU	13	15	----	----	48	100-277V
VXBRLED13DG/UP BLU	13	15	----	----	48	100-277V

*NOTE: These values pertain only to fixtures installed with standard frosted globe and will vary if installed with optional globes.

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm. ¹3000K / 3 Step MacAdam Ellipse - 4000K / 3 Step MacAdam Ellipse.

† In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation. For Warm light (3000K) add "Y" before color suffix (Example: VXLED13YDG) - For Neutral White Light (4000K) add "N" before color suffix (Example: VXLED13NDG).

BUY WITH CONFIDENCE



Now available in 3 Classic and 8 Signature colors!

Visit rabweb.com/hues for details.



GOOSE4R
(20" red gooseneck arm)
13W LED head and
11" Angled Cone Shade

GOOSE3Y
(30" yellow gooseneck arm)
13W LED head and
11" Straight Shade

GOOSE2RB
(24" royal blue gooseneck arm)
13W LED head and
15" Dome Cone Shade

SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground.

LED

GNLED13W: Single multi-chip, 13 Watt high-output long-life LED
GNLED26W: Single multi-chip, 26W high-output, long-life LED

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Drivers

13W Driver: Constant Current, Class 2, 100 - 277V, 50/60 Hz, 100 - 240VAC: 0.3 - 0.15A, 277VAC: 0.15A
26W Driver: Constant Current, Class 2, 100 - 277V, 50/60 Hz, 100 - 240VAC: 0.3 - 0.15A, 277VAC: 0.15A

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Custom heat sink assembly in thermal contact with die-cast aluminum housing for superior heat sinking

Housing

Precision die-cast aluminum housing, lens frame and mounting plate

Mounting

Heavy-duty mounting arm with "O" ring seal and stainless steel screw

Lens

Glare-reducing frosted glass lens

Gaskets

High-temperature silicone

Finish

Chip and fade resistant polyester powder coat finish

Color Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Shades

Angled Cone, Angled Dome or Straight Shade offered in 11" or 15"

Patents

RAB LED Gooseneck design is protected by patents pending in U.S., Canada and China.

*See TM-21 explanation on page 8.

Main street just got brighter... and greener.

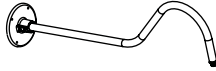
BUILD YOUR OWN FIXTURE *(Choose one from each section and choose your color)*

Gooseneck Arms

GOOSE1
24" Arm



GOOSE2
35" Arm



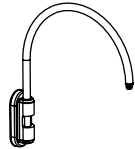
GOOSE3
30" Arm



GOOSE4
20" Arm



GOOSE5
20" Arm with
Pole Mount



LED Heads

GNLED13
13W LED Head

GNLED26
26W LED Head



Shades

GSAC
15" Angled Cone Shade

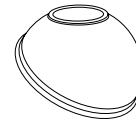
GSAC11
11" Angled Cone Shade

GSAD
15" Angled Dome Shade

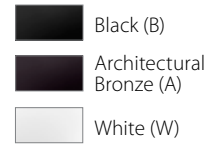
GSAD11
11" Angled Dome Shade

GSST
15" Straight Shade

GSST11
11" Straight Shade



Classic Colors



Signature Colors



**Contact your local RAB rep to view actual sample color chips.*

COMPLETE FIXTURE CATALOG NUMBER MATRIX

Family Name	Arm	LED	Wattage	Color Temp	Reflector	Shade	Color
GN	3	LED	13	N	S	AC	R
Blank = No arm 1 = GOOSE1 2 = GOOSE2 3 = GOOSE3 4 = GOOSE4 5 = GOOSE5		13 = 13W 26 = 26W		N = Neutral (4000K) Y = Warm (3000K)	Blank = Flood reflector + frosted lens S = Spot reflector + clear lens R = Rectangular reflector + clear lens	Blank = No Shade AC = 15" Angled Cone AC11 = 11" Angled Cone AD = 15" Angled Dome AD11 = 11" Angled Dome ST = 15" Straight Shade ST11 = 11" Straight Shade	B = Black W = White A = Archit. Bronze S = Metallic Silver G = Hunter Green YL = Yellow R = Red LB = Light Blue BL = Royal Blue BWN = Brown I = Ivory

PERFORMANCE

Catalog # Black	Description	LED Watts	Input Watts	Color Temp/Uniformity†	Lumen Output	Lumens per Watt	Voltage
GNLED13NB	13W LED Head	13	16	Neutral (4000K) / 3 Step	643	43	100-277V
GNLED26NB	26W LED Head	26	30	Neutral (4000K) / 3 Step	1690	58	100-277V

†In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

ACCESSORIES

Catalog #	Description	Catalog #	Description
LRFGNLEDB	Clear Lens and Reflector Kit w/Door Frame, Black	LFGNLEDB	Frosted Lens and Door Frame Replacement, Black

Finishes: For color finish, add suffix listed above (i.e. YL) in place of B (Black) at the end of the Catalog number (Example: LRFGNLEDYL).

BUY WITH CONFIDENCE



Fully Shielded
Full Cutoff Optics



For use on LEED buildings to attain
Light Pollution Reduction Credit



SUITABLE FOR WET LOCATIONS

LSTEP®

LED STEP LIGHTS



SPECIFICATIONS

UL Listing

Suitable for wet locations. Suitable for mounting within 4' of the ground.

LED

5W high output long life LED

Lumen Maintenance

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations*.

Driver

Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kV Surge Protection, 350mA, 0.18 Amps.

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F).

Ambient Temperature

Suitable for use in 40°C (104°F)

Thermal Management

Integral cast aluminum mounting pad for optimum heat sinking to ensure cool operation with maximum LED life and light output

Housing

Precision die-cast aluminum housing and mounting plate (Junction box not included).

Gaskets

High-temperature silicone

Finish

White or bronze chip and fade resistant polyester powder coat finish

Color Consistency and Stability

RAB LED Color consistency is reported in MacAdam ellipses and is shown on the table to the right. RAB LED Color Stability is measured based on LM-80 testing and is available upon request.

Green Technology

Mercury and UV free, and RoHS compliant

IESNA LM-79 & LM-80 Testing

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Patents

RAB LED STEP Lights are protected by U.S. patents and patents pending in Canada and China.

*See TM-21 explanation on page 8.

CATALOG NUMBERS

Catalog #	Description	LED Watts	Input Watts	Color Temp/ Uniformity†	Lumen Output	Lumens per Watt	Voltage
SLED5	Square Bronze	5	5	Cool (5000K) / 7 Step	196	37	100-240V
SLED5W	Square White	5	5	Cool (5000K) / 7 Step	196	37	100-240V
SLED5Y	Square Bronze	5	5	Warm (3000K) / 7 Step	128	24	100-240V
SLED5YW	Square White	5	5	Warm (3000K) / 7 Step	128	24	100-240V
SLEDR5	Round Bronze	5	5	Cool (5000K) / 7 Step	213	41	100-240V
SLEDR5W	Round White	5	5	Cool (5000K) / 7 Step	213	41	100-240V
SLEDR5Y	Round Bronze	5	5	Warm (3000K) / 7 Step	133	25	100-240V
SLEDR5YW	Round White	5	5	Warm (3000K) / 7 Step	133	25	100-240V

Please visit rabweb.com for details on neutral.

†In addition to using ANSI standards for reporting Correlated Color Temperature, the color consistency of this product is reported in MacAdam ellipses, which is a standardized method of defining color variation that corresponds to the ability of the human eye to distinguish color differences. Typically outdoor products are 7 step or less and indoor products are 4 step or less. Lower step numbers correspond with less color variation.

For Neutral White Light - add "N" before color suffix (Example: SLED5NW).

Brackets



ARM24



ARMSV24



SWIVEL30



GOOSE1



GOOSE2



GOOSE3



GOOSE4
for Wall Mount



GOOSE5
for Pole Mount

SPECIFICATIONS

Gooseneck and Straight Arms

Use to extend fixtures away from wall

Mounting

Die-cast aluminum wall mounting plate. Fits over recessed junction box (not included) and mounts to wall. Mounts any fixture with 1/2" NPS threaded hole.

Weight capacity

7 lbs.

Construction

All aluminum construction 1" diameter, 1/4" thick extension rod with 1/2" NPS threaded end with EZ locknut. Secures to wall mounting plate with (2) stainless steel set screws.*

Swivel Arm

Directs light where you want it and adjusts 30° in both directions

Finish

Black or white weather resistant polyester powder coat finish

*Mounting for all brackets except GOOSE4 and GOOSE5.

CATALOG NUMBERS

Catalog #	Description	Use With:
GOOSE1	Gooseneck Fixed Arm Bracket 24" From Wall, 1/2" NPS Thread - Bronze	WPLED20, WPLED26
GOOSE2	Gooseneck Fixed Arm Bracket 35" From Wall, 1/2" NPS Thread - Bronze	WPLED20, WPLED26
GOOSE3	Gooseneck Fixed Arm Bracket 30" Upcurve - 25" High From Wall, 1/2" NPS Thread - Bronze	WPLED20, WPLED26
GOOSE4	Gooseneck Fixed Arm Bracket 20" High - From Wall, 1/2" NPS Thread - Bronze	WPLED20, WPLED26
GOOSE5	Gooseneck Fixed Arm Bracket 20" High Pole Mount - 19" From Pole, 1/2" NPS Thread - Bronze	WPLED20, WPLED26
ARM24	Straight Arm Bracket 24" From Wall with Round Wallplate, 1/2" NPS Thread - Bronze	WPLED10, WPLED13, WPLED20 and WPLED26
SWIVEL30	30° Swivel Bracket - Bronze 5" x 2-1/2" x 2-1/4"	WPLED10, WPLED13, WPLED20 and WPLED26
ARMSV24	Straight Arm Bracket 24" From Wall with 30° Swivel - Bronze	WPLED10, WPLED13, WPLED20 and WPLED26

Finishes: For Black or White finish, add suffix B or W in place of Bronze Catalog number (Example: ARM24W).
For Unfinished, add suffix U at the end of the Catalog number (Example: GOOSE1U).

Photometrics

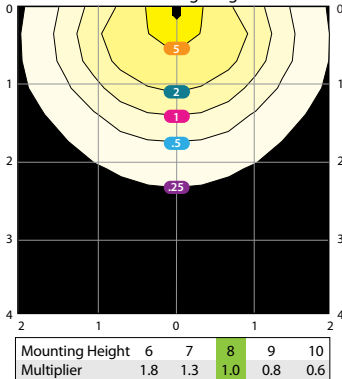
Layout grid represents multiples of mounting height. Values shown in Footcandles.

Values shown are for cool light only. For neutral and warm, or to design your own custom lighting layout, visit rabweb.com, search for the product you are interested in, and use the EZ Layout tool.

In addition, our application engineers can help you create a custom lighting layout for your job. For Free.

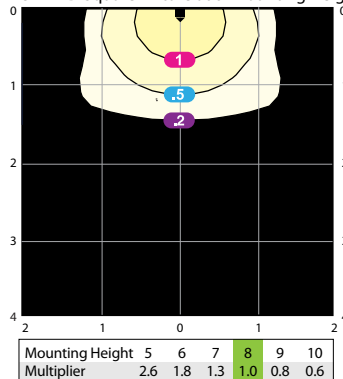
ENTRA12

12W LED at 8' Mounting Height



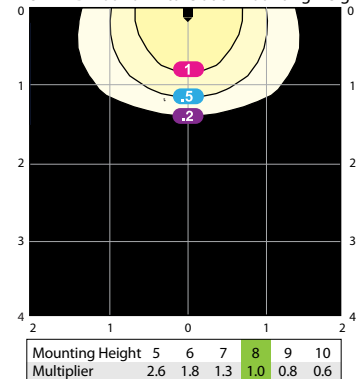
WPLED5

5W LED Square Fixture at 8' Mounting Height



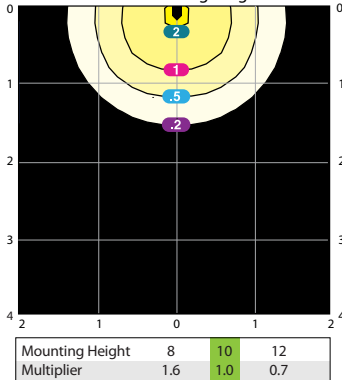
WPLEDR5

5W LED Round Fixture at 8' Mounting Height



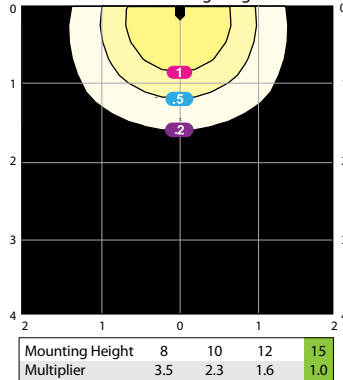
WPLED10

10W LED at 10' Mounting Height



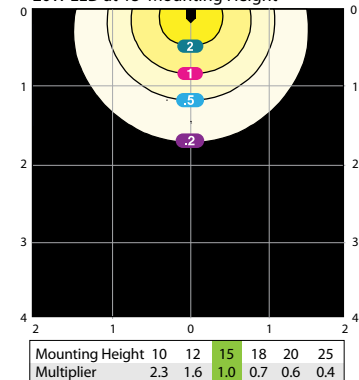
WPLED13

13W LED at 15' Mounting Height



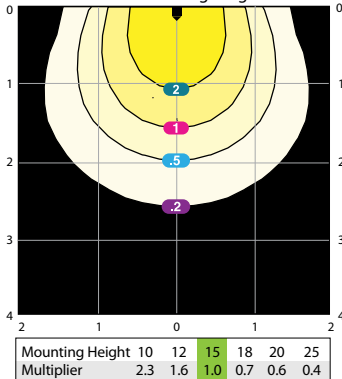
WPLED20

20W LED at 15' Mounting Height



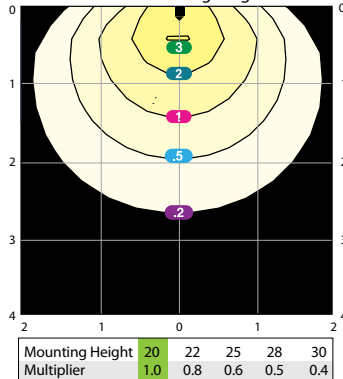
WPLED26

26W LED at 15' Mounting Height



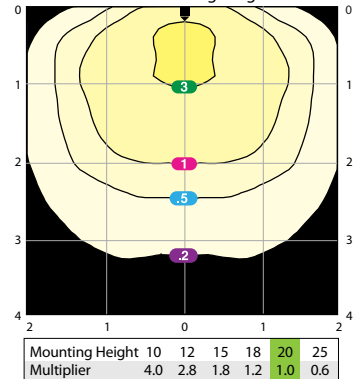
WPLED52

52W LED at 20' Mounting Height



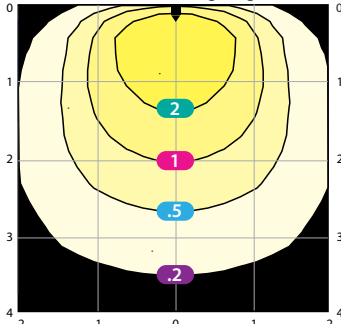
WPLED4T78 (Type IV)

78W LED at 20' Mounting Height



WPLED104

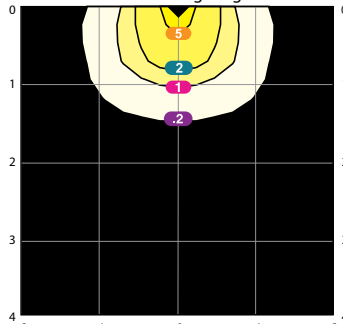
104W LED at 25' Mounting Height, 15° Tilt



Mounting Height	20	22	25	28	30
Multiplier	1.6	1.3	1.0	0.8	0.7

SLIM12

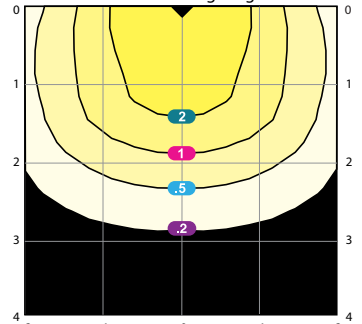
12W LED at 8' Mounting Height



Mounting Height	1.5	3	5	7	8
Multiplier	2.8	7	2.6	1.3	1.0

SLIM18

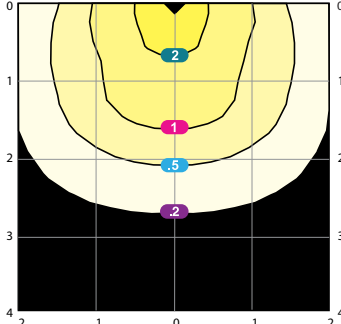
18W LED at 14' Mounting Height



Mounting Height	8	9	10	12	14
Multiplier	3.0	2.4	2.0	1.4	1.0

SLIM26

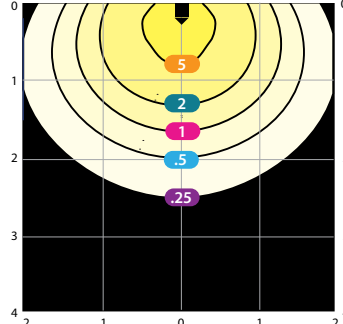
26W LED at 22' Mounting Height



Mounting Height	15	16	18	20	22
Multiplier	2.2	1.9	1.5	1.2	1.0

SLIM37

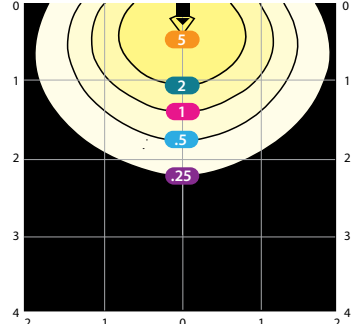
37W LED at 12' Mounting Height



Mounting Height	8	10	12	15	18	20
Multiplier	2.3	1.4	1.0	0.6	0.4	0.3

SLIM57

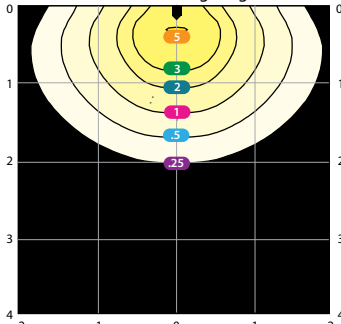
57W LED at 18' Mounting Height



Mounting Height	12	15	18	20	25
Multiplier	2.3	1.4	1.0	0.8	0.5

SLIM62

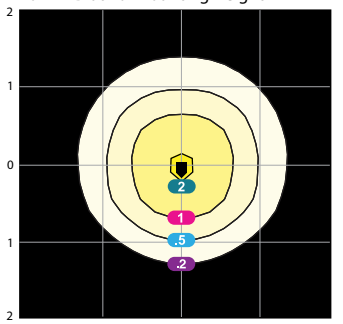
62W LED at 20' Mounting Height



Mounting Height	20	22	25	28	30
Multiplier	1.0	0.8	0.6	0.5	0.4

ALED10

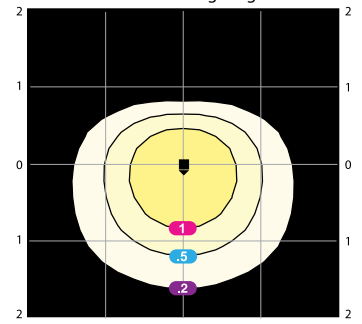
10W LED at 10' Mounting Height



Mounting Height	6	8	10	12
Multiplier	2.8	1.6	1.0	0.7

ALED13

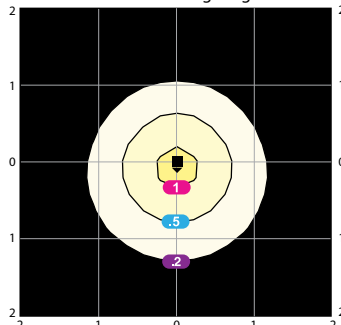
13W LED at 15' Mounting Height



Mounting Height	10	12	15	18	20
Multiplier	2.3	1.6	1.0	0.7	0.6

ALED20

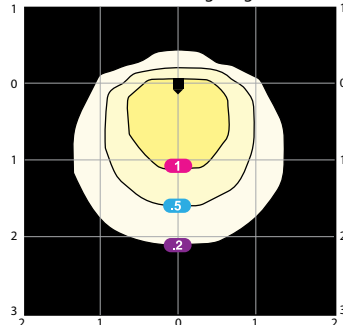
20W LED at 20' Mounting Height



Mounting Height	10	12	15	18	20	25
Multiplier	4.0	2.8	1.8	1.2	1.0	0.6

ALED26

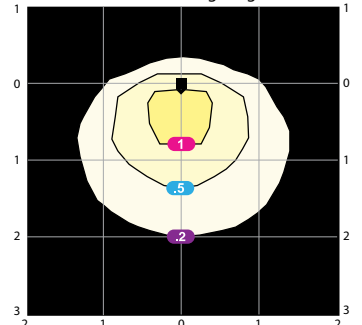
26W LED at 20' Mounting Height



Mounting Height	10	12	15	18	20	25
Multiplier	4.0	2.8	1.8	1.2	1.0	0.6

ALED52

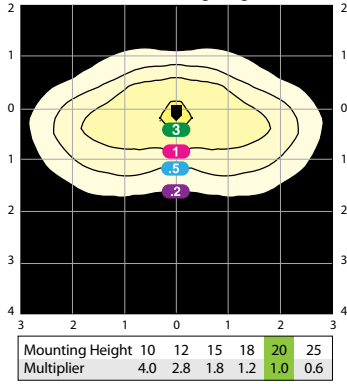
52W LED at 30' Mounting Height



Mounting Height	20	22	25	28	30	35
Multiplier	2.3	1.9	1.4	1.2	1.0	0.8

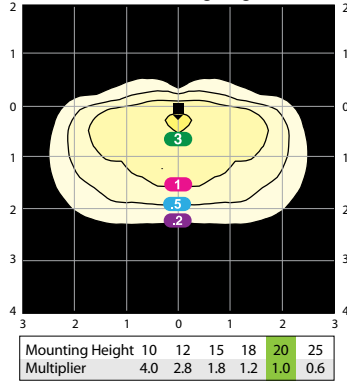
ALED2T78 (Type II)

78W LED at 20' Mounting Height



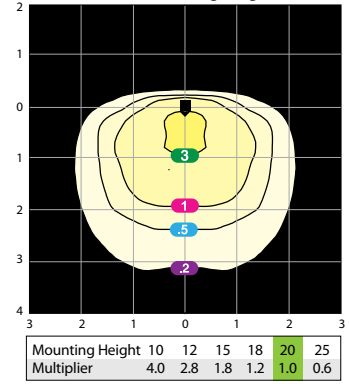
ALED3T78 (Type III)

78W LED at 20' Mounting Height



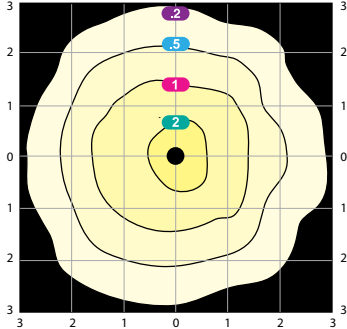
ALED4T78 (Type IV)

78W LED at 20' Mounting Height



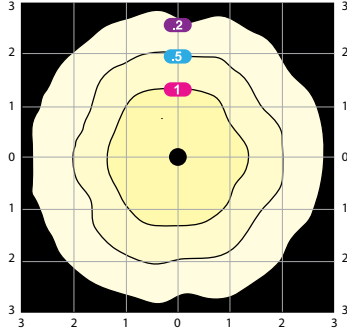
ALED5T52W (Type V)

52W LED at 11' Mounting Height - 10' Pole



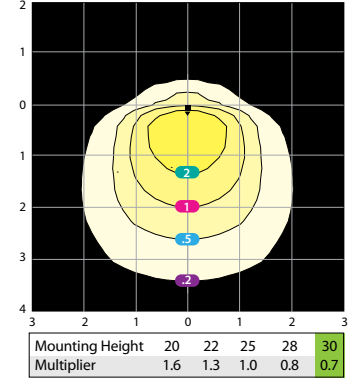
ALED5T78W (Type V)

78W LED at 16' Mounting Height - 15' Pole



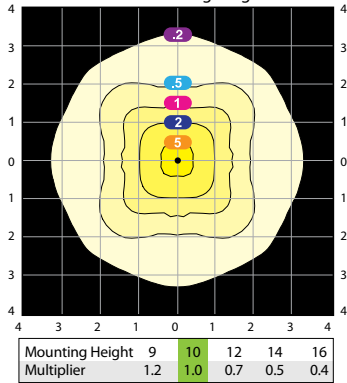
ALED104

104W LED at 30' Mounting Height



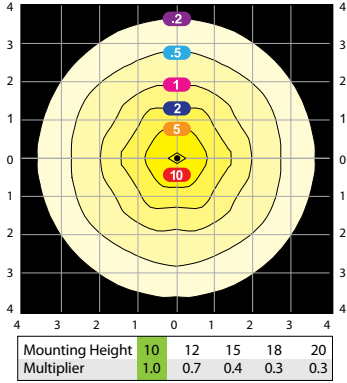
GLED52/GPLED52

52W LED at 10' Mounting Height



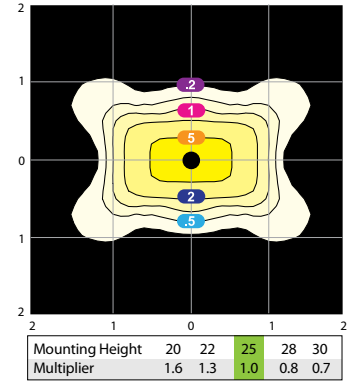
GLED78/GPLED78

78W LED at 10' Mounting Height



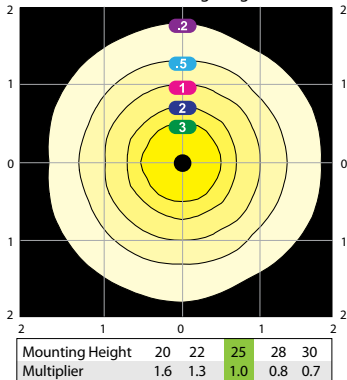
AISLED78W

78W LED at 25' Mounting Height



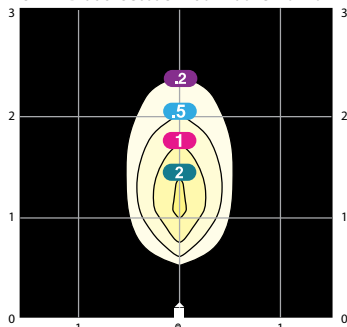
BAYLED78W

78W LED at 25' Mounting Height



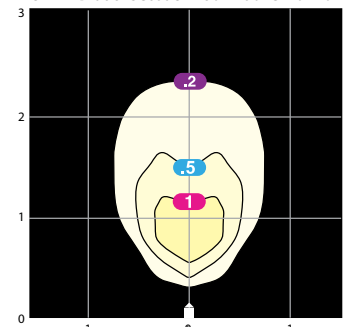
LFLED5Y (Spot)

5W LED at 8' Setback - 60° Above Horizon



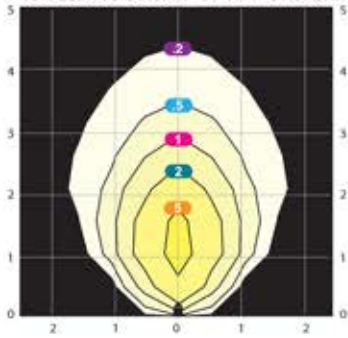
LFLED5Y (Flood)

5W LED at 8' Setback - 60° Above Horizon



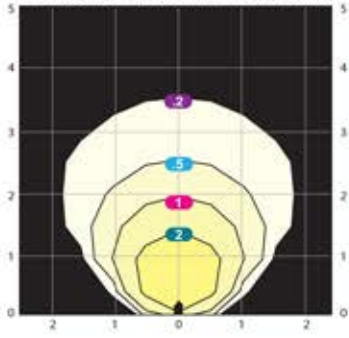
HBLED10 (Spot)

10W LED at 5' Setback - 60° Above Horizon



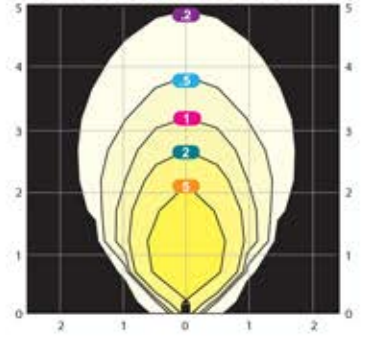
HBLED10 (Flood)

10W LED at 5' Setback - 60° Above Horizon



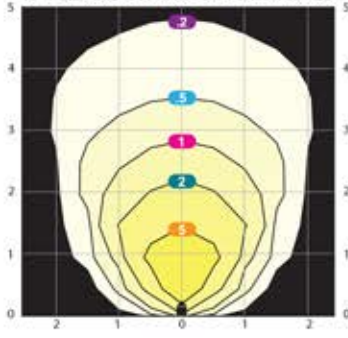
HBLED13 (Spot)

13W LED at 5' Setback - 60° Above Horizon



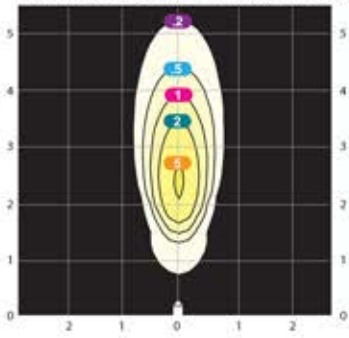
HBLED13 (Flood)

13W LED at 5' Setback - 60° Above Horizon



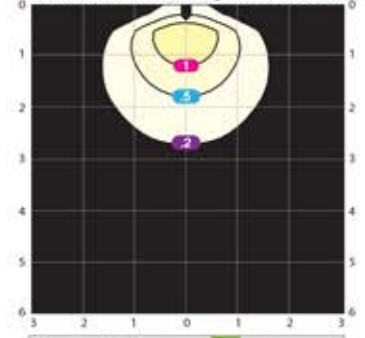
HSLED13 (Spot)

13W LED at 10' Setback - 70° Above Horizon



FFLED18

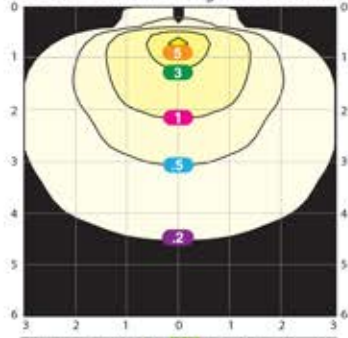
18W LED at 10' Mounting Ht. - 30° Below Horizon



Mounting Height	8	10	12	15
Multiplier	1.6	1.0	0.7	0.4

FFLED39

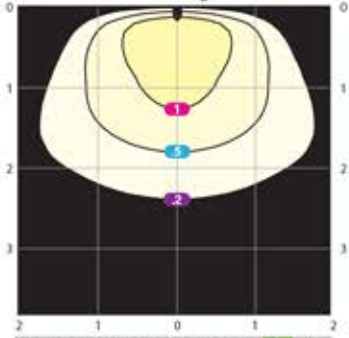
39W LED at 10' Mounting Ht. - 30° Below Horizon



Mounting Height	8	10	12	15	18	20
Multiplier	1.6	1.0	0.7	0.4	0.3	0.2

FXLED78

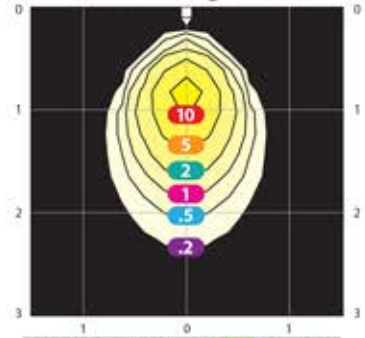
78W LED at 30' Mounting Ht. - 45° Below Horizon



Mounting Height	20	22	25	28	30	35
Multiplier	2.3	1.9	1.4	1.2	1.0	0.7

EZLED78

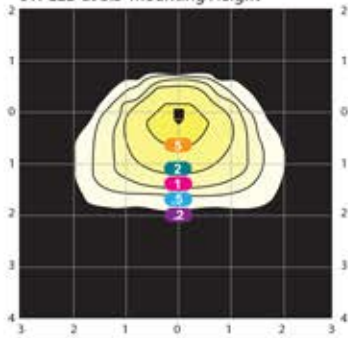
78W LED at 30' Mounting Ht. - 45° Below Horizon



Mounting Height	25	28	30	32	35
Multiplier	1.4	1.2	1.0	0.9	0.7

BLED5

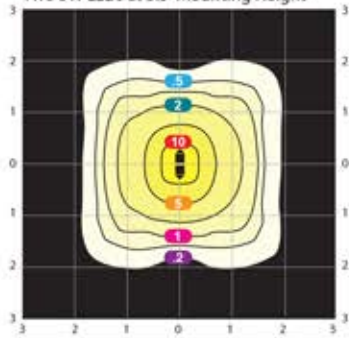
5W LED at 3.5' Mounting Height



Mounting Height	1.5	3.0	3.5
Multiplier	5.4	1.4	1.0

BLED2x5

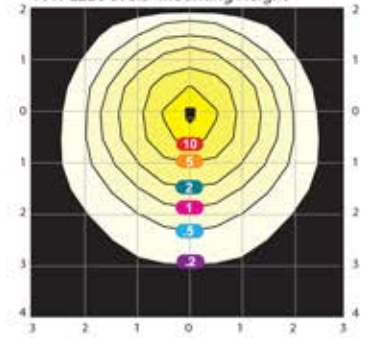
Two 5W LEDs at 3.5' Mounting Height



Mounting Height	1.5	3.0	3.5
Multiplier	5.4	1.4	1.0

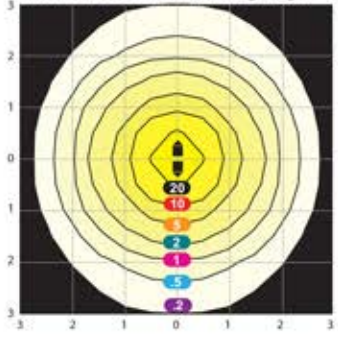
BLED10

10W LEDs at 3.5' Mounting Height



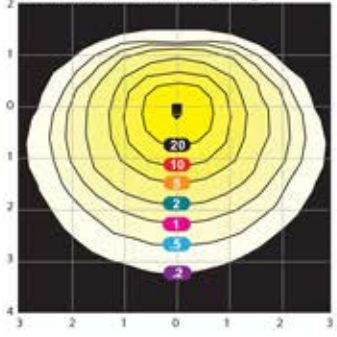
BLED2x10

Two 10W LEDs at 3.5' Mounting Height



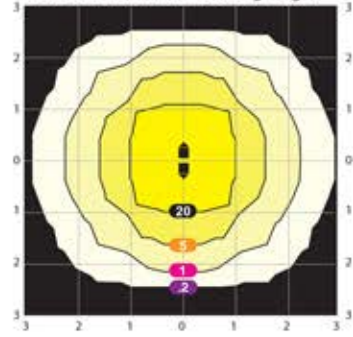
BLED13

13W LEDs at 3.5' Mounting Height



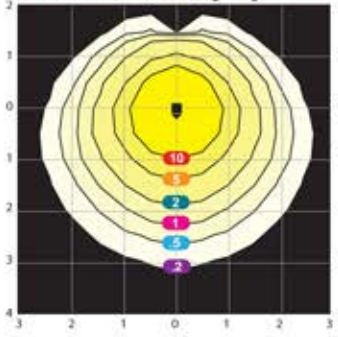
BLED2x13

Two 13W LEDs at 3.5' Mounting Height



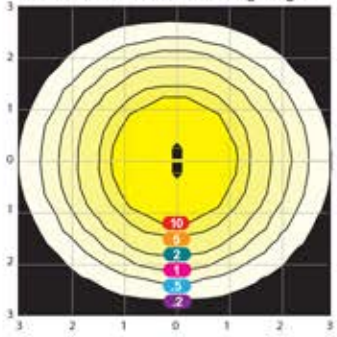
BLED20

20W LEDs at 3.5' Mounting Height



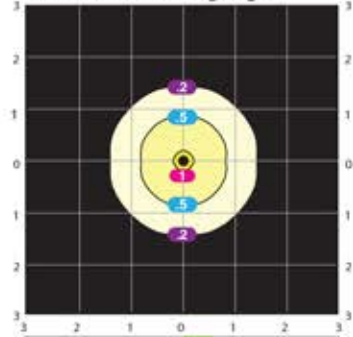
BLED2x20

Two 20W LEDs at 3.5' Mounting Height



VXLED13DG

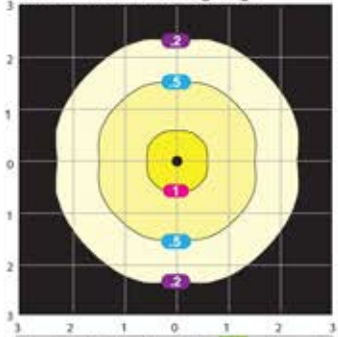
13W LED at 10' Mounting Height



Mounting Height	8	10	12	14	16
Multiplier	1.6	1.0	0.7	0.5	0.4

VXLED26DG

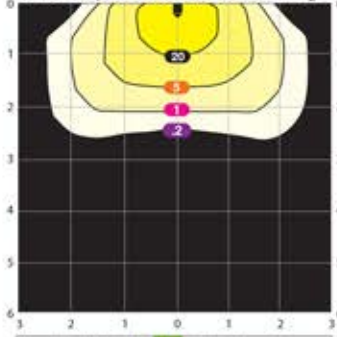
26W LED at 15' Mounting Height



Mounting Height	10	12	15	18	20
Multiplier	2.3	1.6	1.0	0.7	0.6

SLED5

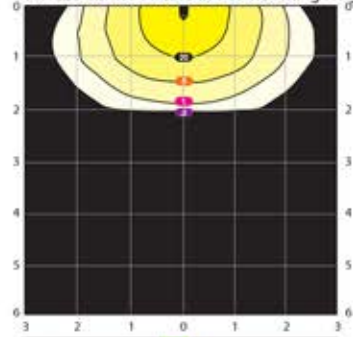
5W LED Square Fixture at 1.5' Mounting Height



Mounting Height	1.5	2.0	3.5	6.0
Multiplier	1.0	.56	.18	.06

SLED5R

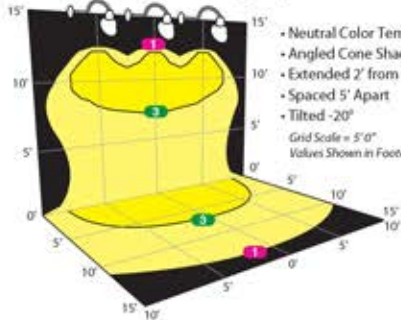
5W LED Round Fixture at 1.5' Mounting Height



Mounting Height	1.5	2.0	3.5	6.0	8.0
Multiplier	1.0	.56	.18	.06	.04

GNLED13B

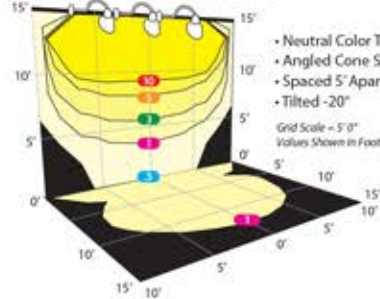
Three 13W LEDs at 15' Mounting Height



- Neutral Color Temp (4000K)
- Angled Cone Shade
- Extended 2' from Wall
- Spaced 5' Apart
- Tilted -20°
- Grid Scale = 5' 0"
- Values Shown in Footcandles

GNLED26B

Three 26W LEDs at 15' Mounting Height



- Neutral Color Temp (4000K)
- Angled Cone Shade
- Spaced 5' Apart
- Tilted -20°
- Grid Scale = 5' 0"
- Values Shown in Footcandles

engineered to perform.

	Product	Equivalency	Replacement Range	Delivered Lumens	Mounting Height	Voltage
  <p>Bronze </p> <p>White </p>	ENTRA12	70W MH	50-70W MH	1284	8 - 10'	100-277
	WPLED5	13W CFL or 60W Incan.	13-26W CFL, 13-60W Incan.	196	8 - 10'	100-240
	WPLED10	70W MH	35-100W MH	547	8 - 12'	100-240
	WPLED13	100W MH	70-150W MH	1064	8 - 20'	100-277
	WPLED20	150W MH	100-175W MH	1401	10 - 25'	100-277
	WPLED26	175W MH	150-200W MH	1816	10 - 25'	100-277
	WPLED52	250W MH	250W MH	3884	20 - 35'	100-277
	WPLED78	400W MH	200-400W MH	5456	20 - 35'	100-277
	WPLED104	400W MH	200-400W MH	8902	20 - 35'	100-277
	WPLED104/480	400W MH	200-400W MH	8902	20 - 35'	347-480
  <p>Bronze </p> <p>White </p> <p>Black* </p> <p>Verde Green* </p> <p>Bronz** </p> <p>*For AL205, HBLED10, HBLED13 & HSLED13 only</p> <p>**For FL205 only</p>	LFLED5	35W MR16	35W MR16	208 ¹	---	100-240
	HBLED10	45W PAR	45-75W PAR	338 ¹	---	100-240
	HBLED13	90W PAR	90-100W PAR	724 ¹	---	100-277
	HSLED13	90W PAR	90-100W PAR	787	---	100-277
	FFLED18	70W MH	35-150W MH	1624	8 - 15'	100-277
	FFLED39	150W MH	100-175W MH	2999	10 - 20'	100-277
	FXLED78	250W MH	150-320W MH	5927	0 - 35'	100-277
	EZLED78	250W MH	150-320W MH	5765	0 - 35'	100-277
	  <p>Bronze </p> <p>White* </p> <p>*For AL205, AL207, AL207R & AL210 only</p>	ALED10	35W MH	35-50W MH	547	10 - 15'
ALED13		50W MH	35-70W MH	1064	10 - 20'	100-277
ALED20		50W MH	35-70W MH	1401	10 - 25'	100-277
ALED26		70W MH	42W CFL, up to 100W MH	1816	15 - 25'	100-277
ALED52		100W MH	70-150W MH	3884	25 - 35'	100-277
ALED52S2		175W MH	100-175W MH	3089	8 - 12'	100-277
ALED78*		250W MH	200-400W MH	4959	25 - 35'	100-277
ALED578		250W MH	150-200W MH	4724	8 - 18'	100-277
ALED104		400W MH	200-400W MH	8902	25 - 35'	100-277
ALED104/480		400W MH	200-400W MH	8902	25 - 35'	347-480
  <p>Bronze </p> <p>White </p>	SLIM12	70W MH	50-70W MH	1401	1.5 - 8'	100-240
	SLIM18	100W MH	70-100W MH	1909	8 - 14'	100-277
	SLIM26	175W MH	100-175W MH	2648	15 - 22'	100-277
	SLIM37	200W MH	150-200W MH	2688	10 - 20'	100-277
	SLIM57	250W MH	175-250W MH	4262	12 - 25'	100-277
	SLIM62	320W MH	175-320W MH	4775	15 - 30'	100-277
	  <p>Bronze </p> <p>White </p>	GLED52	175W MH	100-175W MH	3644	9 - 15'
GPLED52		175W MH	100-175W MH	3644	9 - 15'	100-277
GLED78		250W MH	150-250W MH	5668	10 - 20'	100-277
GPLED78		250W MH	150-250W MH	5668	10 - 20'	100-277

Values shown for cool temperature. Please visit rabweb.com for details on neutral and warm.

LED indoor also available.



RETROFIT
DOWNLIGHTS



REMODELER
DOWNLIGHTS



NEW CONSTRUCTION
DOWNLIGHTS



2x2
PANELS

To see our complete line of LED luminaires visit rabweb.com