LED Luminaires For Every Application

	Product	Equivalency	Replacement Range		Delivered Lumens	Mounting Height	Voltage
ALED LED AREA LIGHTS  Bronze, White* **For ALED78 only*	**ALED10**	35W MH	35-50W MH		547	10 - 15'	100-240
	ALED13	50W MH	35-70W MH		1064	10 - 20'	100-240, 277
	ALED20	50W MH	35-70W MH		1401	10 - 25'	100-240, 277
	ALED26	70W MH	42W CFL, up to 100W MH		1816	15 - 25'	100-240, 277
	ALED52	100W MH	70-150W MH		3429	25 - 35'	100-240, 277
	ALED78* *Type III - ALED3T78	250W MH	200-400W MH		4959	25 - 35'	100-240, 277
BLED LED BOLLARDS  Bronze, White	**BLED5**	13W CFL or 60W Incan.	13-26W CFL, 13-60W Incan.		196	18", 36", 42"	100-240
	BLEDR5	13W CFL or 60W Incan.	13-26W CFL, 13-60W Incan.		213	18", 36", 42"	100-240
	BLED10	32W CFL	13-42W CFL		547	42"	100-240
	BLED13	50W MH	35-70W MH		1064	42"	100-240, 277
	BLED20	50W MH	35-70W MH		1401	42"	100-240, 277
CLED LED CEILING  Bronze, White	**CLED2x10**	32W CFL	32-42W CFL, up to 70W MH		1045	8 - 15'	100-240
	CLED2x13	42W CFL/70W MH	70-100W MH		2006	8 - 15'	100-240, 277
	CLED2x20	100W MH	100-150W MH		2746	8 - 15'	100-240, 277
	CLED2x26	175W MH	100-250W MH		3654	15 - 25'	100-240, 277
LFLOOD LED FLOODLIGHTS  Bronze, White, Black*, Verde Green* **For HBLED10 & HBLED13 only*	**HBLED10**	45W PAR	45-75W PAR	Flood / Spot	338 / 400	N/A	100-240
	HBLED13	90W PAR	90-100W PAR	Flood / Spot	724 / 820	N/A	100-240, 277
	FFLED18	70W MH	35-150W MH		1624	8 - 15'	100-240, 277
	FFLED39	150W MH	100-175W MH		2999	10 - 20'	100-240, 277
	FXLED78	250W MH	150-320W MH		5927	20 - 35'	100-240, 277
PLED LED PENDANTS Bronze, White	**PLED2x10**	32W CFL	32-42W CFL, up to 70W MH		1045	10 - 18'	100-240
	PLED2x13	42W CFL/70W MH	70-100W MH		2069	10 - 18'	100-240, 277
	PLED2x20	100W MH	100-150W MH		2764	10 - 18'	100-240, 277
	PLED2x26	175W MH	100-250W MH		3654	15 - 25'	100-240, 277
LSTEP LED STEP LIGHTS  Bronze, White	**SLED5**	13W CFL or 60W Incan.	13-26W CFL, 13-60W Incan.		196	18" - 8'	100-240
	SLEDR5	13W CFL or 60W Incan.	13-26W CFL, 13-60W Incan.		213	18" - 8'	100-240
LPACK LED WALLPACKS  Bronze, White	**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'	100-240, 277
	WPLED20	150W MH	100-175W MH		1401	10 - 25'	100-240, 277
	WPLED26	175W MH	150-200W MH		1816	10 - 25'	100-240, 277
	WPLED52	250W MH	250W MH		3429	20 - 35'	100-240, 277
	WPLED78	400W MH	200-400W MH		5456	20 - 35'	100-240, 277
LVAPOR LED VAPORPROOF  Natural	**VXLED13DG**	25W CFL or 60W Incan.	13-23W CFL, 25-60W Incan.		729	8 - 16'	100-240, 277
	VXBRLED13DG	25W CFL or 60W Incan.	13-23W CFL, 25-60W Incan.		729	8 - 16'	100-240, 277
LGOOSE LED GOOSENECKS  Black, White	**GNLED13B**	75W MH	75W Incan.		571	N/A	100-240, 277

RAB LIGHTING

Northvale, New Jersey 07647 USA

Tech Help Line
Call our experts
888 RAB-1000

Toll Free Fax
Send a fax to RAB
888 RAB-1232

e-mail
Answered promptly
sales@rabweb.com

rabweb.com
Visit our website
for product info

RAB® LED

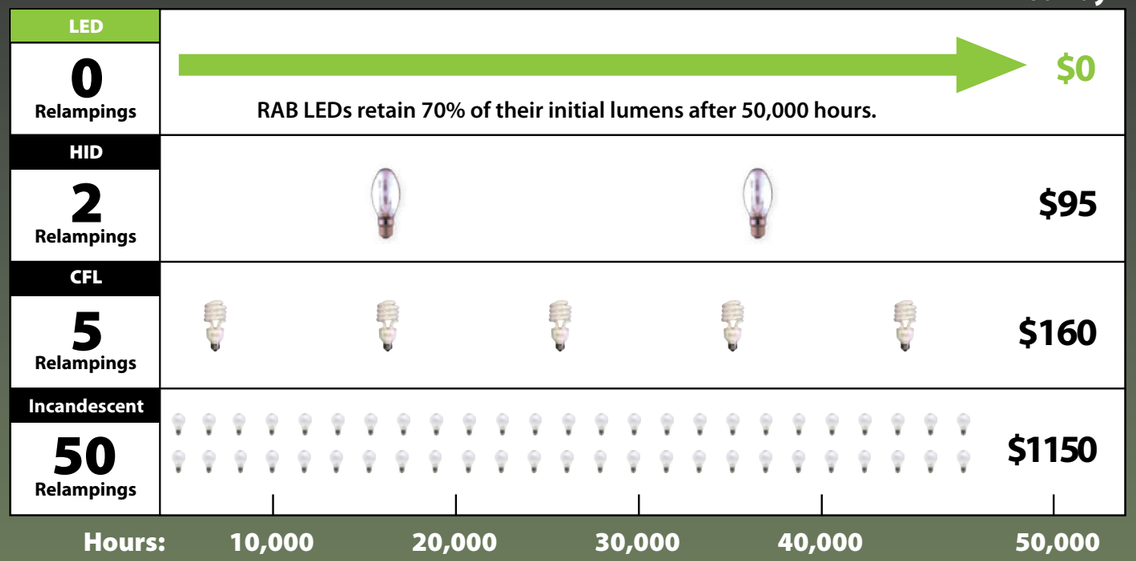
Affordable LED Lighting

WINTER/SPRING 2012 Catalog

Say Goodbye to Costly Relamping & High Energy Bills.

Maintenance & Relamping Savings

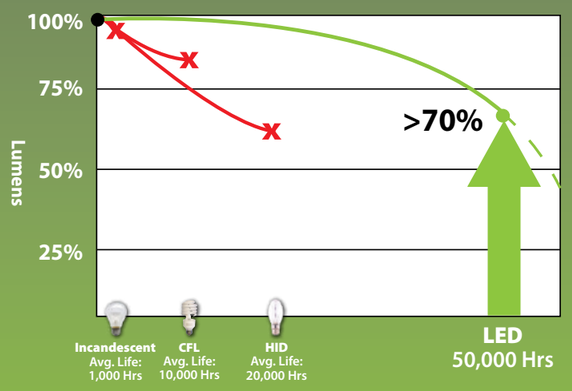
Save on lamps and the labor needed to change them over 50,000 hours



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

Longer Life

The life of other light sources averages between 1,000 and 20,000 hours. An LED may show only a 30% drop in performance after 50,000 hours.

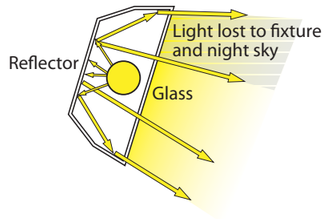


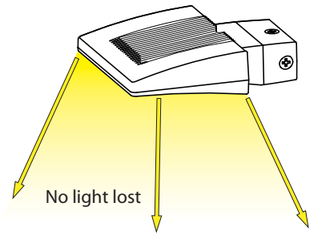
Saving Energy Saves Money

Replace 175W Metal Halide Wallpacks with 26W LED

Product	Input Watts	Operating Hours	Energy Cost kWhr	Operating Cost
175W MH	210	18,250	$0.10	**$383**
26W LED	30	18,250	$0.10	**$55**
5-Year Savings Per Fixture =				**$328**

HID vs. LED





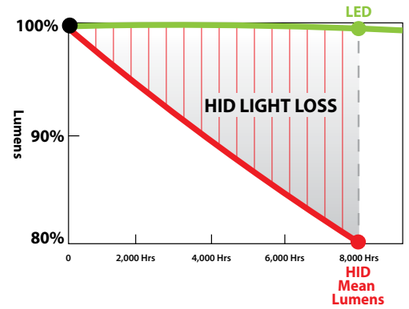
Delivered Lumens

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 where you need it.

175W HID Wallpack		26W LED LPACK
13,500	Initial Lumens	1,816
8,800	Mean Lumens	1,816
4,736	Fixture Lumens	1,816
1,301	***Delivered Lumens***	***1,816***

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.

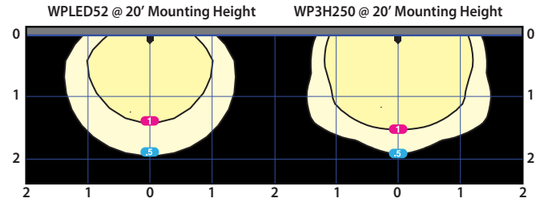
Equivalencies for different fixture types vary even at the same LED wattage. For example, HID Area Lights are more efficient than the same HID wattage Wallpack, with a 20W LED Wallpack replacing a 150W Metal Halide and a 20W LED Area Light replacing a 50W Metal Halide Area Light.

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 photometerics shown to the right, the .5fc isoline 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.

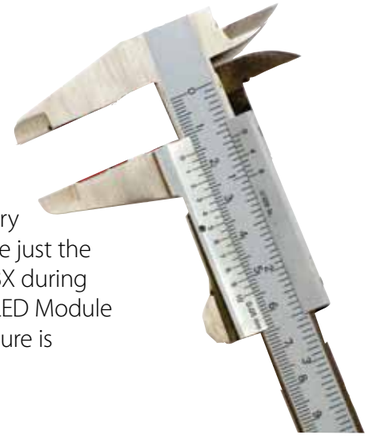


Multiples of Mounting Height • Values shown in Footcandles

Designed To Perform.
Tested 100%.

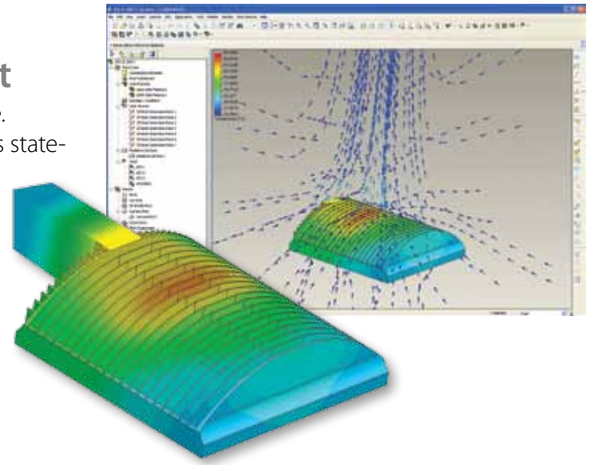
Testing Beyond Industry Standards

RAB goes beyond the highest industry standards in LED Testing and Performance Certification. All RAB LED products are tested to industry standards like LM-79, LM-80, UL Listing and Lighting Facts. Those tests are just the beginning! RAB has an industry-leading 100% test regimen that occurs 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 before releasing it to the wild.



Engineered Thermal Management

LED and driver lifespan is dependent on temperature. The cooler the LED, the longer its useful life. RAB uses state-of-the-art technology to engineer industry-leading thermal management into our LED products. We use computational fluid dynamics simulation software to study how heat moves and air flows to create the ultimate in LED cooling. Our finished designs ensure the LED and driver stay cool.

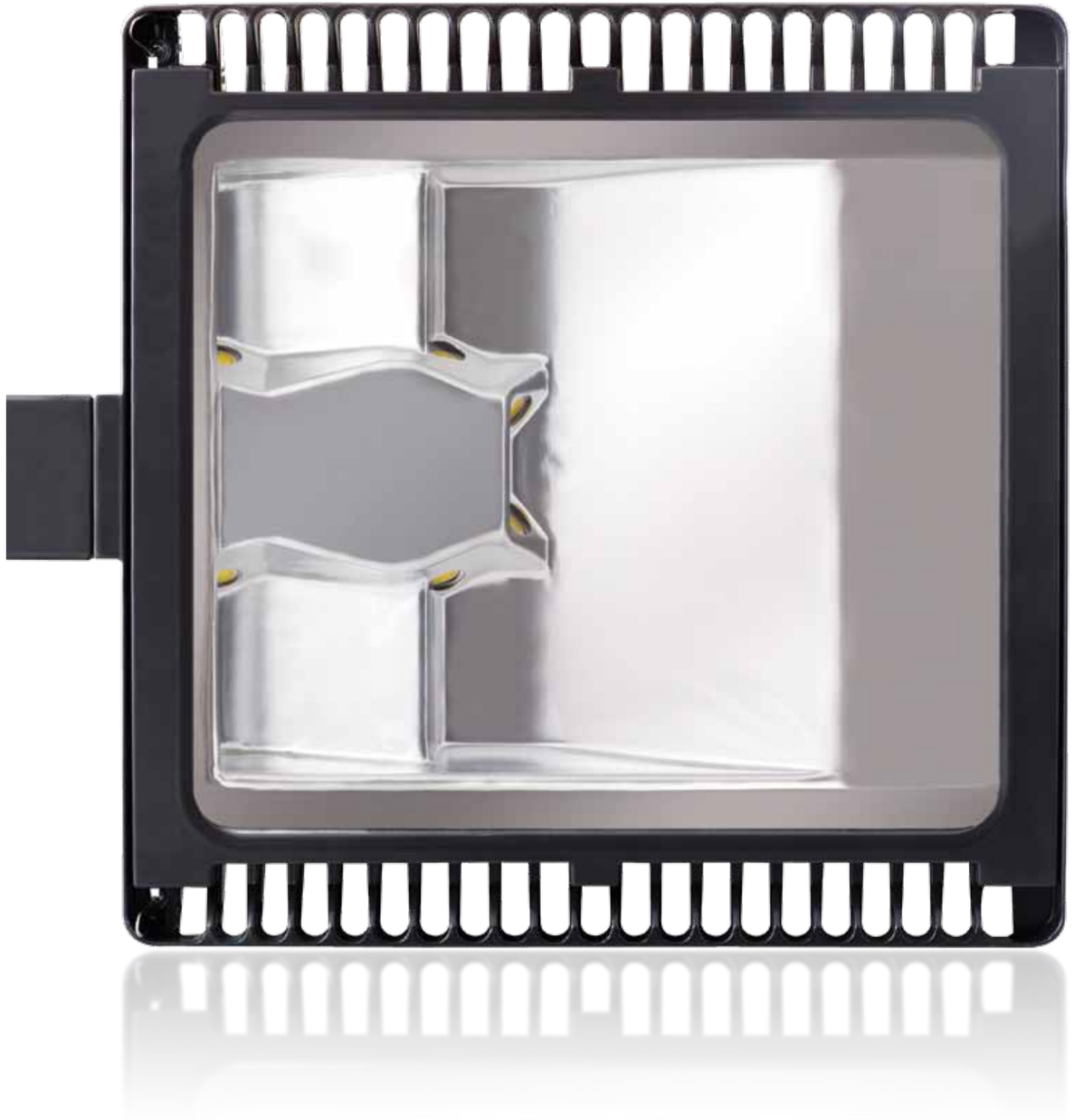


Cutting-Edge Driver Technology

RAB designs drivers in-house to ensure that our LED fixtures perform beyond expectations. We design our drivers to provide reliable power conversion and deliver industry-beating specifications in every aspect of performance. RAB has innovative design concepts that are patent pending and offer increased protection from the harsh reality of the electrical grid. In addition to design, RAB has a rigorous manufacturing test program for LED drivers that ensures 100% reliability.

Optimized Optical Design

RAB designs all our LED optics in-house using software that allows us to model how the light is aimed, how much light is delivered and how efficiently the optics perform. This enables us to optimize RAB reflectors and lens assemblies to provide the most effective and efficient lighting performance. This is a critical step in ensuring that RAB LED products perform at the highest level.



LPACK® LED WALLPACKS

WPLED5
with junction box for conduit entry

WPLED10
with junction box for conduit entry

WPLED20
with surface mount
for recessed boxes

WPLED26
with junction box for conduit entry

SPECIFICATIONS

UL Listing:
Suitable for wet locations. Suitable for mounting within 4' of the ground. WPLED20 & WPLED26 Uplight UL listed for damp locations.

Finish:
White or bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
Multi-chip 5, 10 and 13 Watt high- output, long-life LEDs.

5W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection 350mA, 0.18 Amps., Power Factor: 43.7%

10W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection 350mA, 0.3 Amps., Power Factor: 57.1%

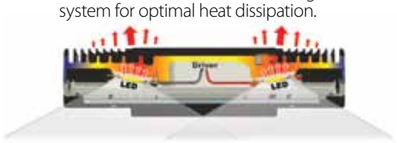
13W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 4kv Surge Protection 720mA, 100-240VAC: 0.3-0.15 Amps 277VAC: 0.15 Amps., THD ≤ 20% Power Factor: 97.5%

20W Driver: 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: 98.4%

26W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: 0.4 Amps., THD ≤ 20%, Power Factor: 99.2%

California Title 24:
LPACK complies with California Title 24.

Heatsink:
Die-cast aluminum thermal management system for optimal heat dissipation.



Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F); WPLED5: -20°C (-4°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Housing:
Precision die-cast aluminum housing.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

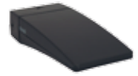
Ambient Temperature:
WPLED5, WPLED10 & WPLED26: Suitable for use in 40°C (104°F) ambient temperatures. WPLED13 & WPLED20: Suitable for use in 50°C (122°F) ambient temperatures.

Brackets:
GOOSE1; ARM24; SWIVEL30; ARMSV24:
See page 23 for bracket details.

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

Switch to LED Wallpacks For 80% Energy Savings.

PERFORMANCE COMPARISON

	 WPLED5	 WPLED10	 WPLED13	 WPLED20	 WPLED26
Max. Mounting Height	10 ft.	12 ft.	20 ft.	25 ft.	25 ft.
Wallpack Equivalency	13W CFL/60W Incan.	70W MH	100W MH	150W MH	175W MH
HID Replacement Range	13W CFL/60W Incan.	35-100W	70-150W	100-175W	150-200W
Surge Protection	1000 Volts	1000 Volts	4000 Volts	4000 Volts	6000 Volts
Input Watts	5.3	13.2	14.9	21.7	30
Lumen Output*	196	547	1064	1401	1816
Lumens Per Watt*	37	41	71	65	61
Voltage	100-240	100-240	100-277	100-277	100-277
Mounting	Junction Box or Surface Plate	Junction Box or Surface Plate	Junction Box or Surface Plate	Junction Box or Surface Plate	Junction Box or Surface Plate

*Values shown for cool temperature. Please visit www.rabweb.com for details on neutral and warm.
WPLED5 supplied with optional frosted lens.

CATALOG NUMBERS

Catalog # Bronze	Catalog # White	LED Watts	Color Temperature	Mounting Height Range
WPLED5	WPLED5W	5	Cool	5-10'
WPLED5Y	WPLED5YW	5	Warm	5-10'
WPLED5N	WPLED5NW	5	Neutral	5-10'
*Surface Plate**				
WPLED10S	WPLED10SW	10	Cool	8-12'
WPLED10SY	WPLED10SYW	10	Warm	8-12'
*Junction Box**				
WPLED10	WPLED10W	10	Cool	8-12'
WPLED10Y	WPLED10YW	10	Warm	8-12'
WPLED13	WPLED13W	13	Cool	8-20'
WPLED13Y	WPLED13YW	13	Warm	8-20'
WPLED13N	WPLED13NW	13	Neutral	8-20'
WPLED20	WPLED20W	20	Cool	10-20'
WPLED20Y	WPLED20YW	20	Warm	10-20'
WPLED20N	WPLED20NW	20	Neutral	10-20'
WPLED26	WPLED26W	26	Cool	10-25'
WPLED26N	WPLED26NW	26	Neutral	10-25'

*WPLED13, 20, 26 models include 2 Mounting options: Surface Plate for recessed Junction box & Junction Box. For Photocell option for WPLED20, 26 - add "/PC" after color suffix (Example: WPLED20/PC, WPLED26/PC).

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

ida APPROVED Fully Shielded Full Cutoff Optics

U.S. Green Building Council LEED USGBC
For use on LEED buildings to attain Light Pollution Reduction Credit

c UL us LISTED SUITABLE FOR WET LOCATIONS

lighting facts LED Product Partner

LPACK®
LED WALLPACKS

WPLED78
with junction box for conduit entry

WPLED52
with junction box for conduit entry

SPECIFICATIONS

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

Finish:
White or bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
WPLED52: Four multi-chip 13 Watt high-output long life LEDs.

WPLED78: Six multi-chip 13 Watt high-output long life LEDs.

Drivers:
WPLED52: Two drivers, Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: 0.4 Amps., THD ≤ 20%, Power Factor: 99.2%

WPLED78: Three drivers, Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: 0.4 Amps., THD ≤ 20%, Power Factor: 99.2%

Surge Protection: 6KV

California Title 24:
LPACK52 & LPACK78 complies with California Title 24.

Heatsink:
Superior heat sinking with external Air-Flow fins.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Housing:
Die-cast aluminum housing, door frame, arm and wall bracket.

Reflector:
Hydroformed aluminum designed for maximum efficiency.

Gaskets:
High-temperature silicone gaskets seal out moisture.

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

Arm:
Die-cast aluminum with wiring access plate.

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.

Dark Sky Approved:
The International Dark Sky Association has approved the Full Cutoff (0°) and Cutoff (7.5°) versions of these products as a full cutoff, fully shielded luminaire.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
WPLED52 & WPLED78: Suitable for use in 40°C (104°F) ambient temperatures.

Color Temperature (Nominal CCT):
WPLED52: Cool: 5000K; Neutral: 4000K
WPLED78: Cool: 5100K; Neutral: 4000K

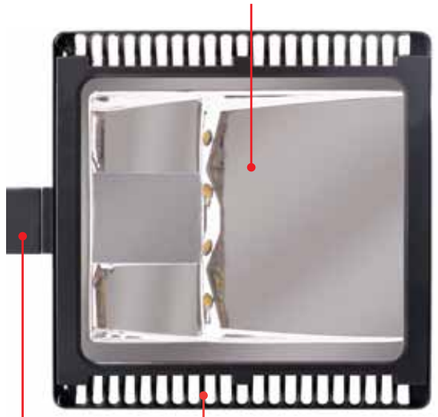
Cutoff Options:
Full Cutoff (0°) - WPLED52 & WPLED78
Cutoff (7.5°) - WPLED52 only
Standard (15°) - WPLED52 only

Patents:
The WPLED52 & WPLED78 are protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

Say Goodbye to 250 & 400W HID Wallpacks...
The LPACK52 & 78 are Here!

FEATURES

WPLED78
Type IV distribution (also known as a "Forward Throw") is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas.



Superior heat sinking with external Air-Flow fins

Die-cast aluminum housing, lens frame and mounting arm

WPLED52
Vertical Fins for Maximum Heat Dissipation

No Visible Gaskets or Hardware

Side Access Panel for Wiring and Inspection

Wallpack has Mounting Bracket with Tether for Hands-Free Wiring

CATALOG NUMBERS

Catalog # Bronze	Catalog # White	Cutoff	LED Watts	Input Watts	Color Temperature	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
WPLED52	WPLED52W	Standard (15°)	52	60	Cool	67CRI	3429	57	20-35'	100-277V
WPLEDC52	WPLEDC52W	Cutoff (7.5°)	52	60	Cool	67CRI	3434	57	20-35'	100-277V
WPLEDFC52	WPLEDFC52W	Full Cutoff (0°)	52	60	Cool	67CRI	3435	57	20-35'	100-277V
WPLED52N	WPLED52NW	Standard (15°)	52	60	Neutral	86CRI	2294	38	20-35'	100-277V
WPLEDC52N	WPLEDC52NW	Cutoff (7.5°)	52	60	Neutral	86CRI	2297	38	20-35'	100-277V
WPLEDFC52N	WPLEDFC52NW	Full Cutoff (0°)	52	60	Neutral	86CRI	2298	38	20-35'	100-277V
WPLED2T78	WPLED2T78W	Full Cutoff (0°)	78	90	Cool	68CRI	5263	58	20-35'	100-277V
WPLED2T78N	WPLED2T78NW	Full Cutoff (0°)	78	91	Neutral	87CRI	4284	47	20-35'	100-277V
WPLED3T78	WPLED3T78W	Full Cutoff (0°)	78	91	Cool	68CRI	5459	54	20-35'	100-277V
WPLED3T78N	WPLED3T78NW	Full Cutoff (0°)	78	91	Neutral	88CRI	3695	41	20-35'	100-277V
WPLED4T78	WPLED4T78W	Full Cutoff (0°)	78	91	Cool	68CRI	5456	60	20-35'	100-277V
WPLED4T78N	WPLED4T78NW	Full Cutoff (0°)	78	91	Neutral	88CRI	4287	47	20-35'	100-277V

For Swivel Photocell option for WPLED52 - add "/PCS" after color suffix (Example: WPLED52/PCS).
For Photocell option for WPLED78 - add "/PC" after color suffix (Example: WPLED4T78/PC).
For Swivel Photocell option for WPLED78 - add "/PCS" after color suffix (Example: WPLED4T78/PCS).

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

Fully Shielded Full Cutoff Optics

For use on LEED buildings to attain Light Pollution Reduction Credit

lighting facts LED Product Partner

c UL us LISTED SUITABLE FOR WET LOCATIONS

ALED™
LED AREA LIGHTS

SPECIFICATIONS

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

Finish:
Bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
Multi-chip 10 and 13W high-output, long-life LED.

10W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection, 350mA, 0.3 Amps., Power Factor: 57.1%

13W Driver: 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: 97.5%

20W Driver: 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: 98.4%

26W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: .4 Amps., THD ≤ 20%, Power Factor: 99.2%

ALED52: Two 26W drivers.
See 26W Driver for details.

ALED78: Three 26W drivers.
See 26W Driver for details.

California Title 24:
ALED complies with California Title 24 building and electrical codes.

Heatsink:
Die-cast aluminum thermal management system for optimal heat dissipation.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
ALEDs are Mercury and UV free, and are RoHS compliant..

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High temperature silicone.

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

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.

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°).

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
ALED10, 26, 52 & 78: Suitable for use in 40°C (104°F) ambient temperatures.
ALED13 & ALED20: Suitable for use in 50°C (122°F) ambient temperatures.

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

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

Pole Size for each Adapter:
RPA3; RPA3L = 3" Diamater Round Pole
RPA3.5; RPA3.5L = 3.5" Diamater Round Pole
RPA4; RPA4L = 4" Diamater Round Pole
RPA5; RPA5L = 5" Diamater Round Pole
RPA6; RPA6L = 6" Diamater Round Pole

Affordable, Energy-Saving, LED Area Lights

PERFORMANCE COMPARISON

	ALED10	ALED13	ALED20	ALED26	ALED52	ALED78
Delivered Lumens	547	1064	1401	1816	3429	4959
Equivalent MH Area Light	35 Watts	50 Watts	50 Watts	70 Watts	150 Watts	250 Watts
Replacement Range	30-50W	35-70W	35-70W	42-100W	175-275W	200-400W
Weight	3.2 LB	3.3 LB	5.1 LB	6.5 LB	16.45 LB	32 LB
EPA	0.2	0.2	0.25	0.27	1.5	0.75

Pole Configuration: For Pole Configurations, go to www.rabweb.com.

SPECIFICATION-GRADE OPTICS (ALED78)

Type II: The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. Meant for lighting larger areas and usually located near the roadside, this type of lighting is commonly found on smaller side streets or jogging paths.

Type III: The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Type IV: The Type IV distribution (also known as a "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 with essentially the same candlepower at lateral angles from 90° to 270°.

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

CATALOG NUMBERS

Catalog Number	LED Watts	Input Watts	Color Temp	BUG Rating B U G	Color Accuracy	Lumen Output	Lumens per Watt	Mounting Height	Voltage
ALED10	10	13.2	Cool	0 0 0	92CRI	547	41	10-15'	100-240V
ALED13	13	14.9	Cool	1 0 0	66CRI	1064	71	10-20'	100-277V
ALED20	20	21.7	Cool	1 0 0	70CRI	1401	65	10-25'	100-277V
ALED26	26	30.0	Cool	0 1 0	66CRI	1816	61	15-25'	100-277V
ALED52	52	60.0	Cool	0 1 1	67CRI	3429	57	20-35'	100-277V
ALEDC52	52	60.0	Cool	0 1 1	67CRI	3434	57	20-35'	100-277V
ALEDFC52	52	60.0	Cool	0 1 1	67CRI	3435	57	20-35'	100-277V
ALED2T78	78	90.0	Cool	1 0 1	68CRI	4959	58	20-35'	100-277V
ALED3T78	78	91.0	Cool	1 0 1	68CRI	4959	55	20-35'	100-277V
ALED4T78	78	91.0	Cool	1 0 2	68CRI	5456	60	20-35'	100-277V

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

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

Fully Shielded Full Cutoff Optics

For use on LEED buildings to attain Light Pollution Reduction Credit

lighting facts LED Product Partner

c UL us LISTED SUITABLE FOR WET LOCATIONS

CLED™
LED CEILING

PLED™
LED PENDANTS

SPECIFICATIONS

Finish:
White or bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
Multi-chip 10 & 13W high-output long-life LED.

2x10W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection, 350mA, 0.6 Amps., Power Factor: 57.1%

2x13W Driver: 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: 97.5%

2x20W Drivers: 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: 98.4%

2x26W Drivers: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: 0.8 Amps., THD ≤ 20%, Power Factor: 99.2%

California Title 24:
CLED & PLED complies with California Title 24 building and electrical codes.

Heatsink:
Die-cast aluminum thermal management system for optimal heat dissipation.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High temperature silicone.

Housing:
Precision die-cast aluminum housing and lens framing.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
CLED2x10, CLED2x13, CLED2x20 & CLED2x26: Suitable for use in 40°C (104°F) ambient temperatures.
PLED2x10, PLED2x13, PLED2x20 & PLED2x26: Suitable for use in 40°C (104°F) ambient temperatures.

Pendants:
Includes 6", 12" & 18" Pendant tubes with hang straight swivel. Can be joined for up to 36" length.

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

UL Listing:
CLED: UL listed for damp locations.
PLED2x20, 2x26, Uplight model UL listed for wet locations; PLED2x10, 2x13 Uplight UL listed for damp locations.

Replaces T12 Ceiling Fixtures and Reduces Operating & Maintenance Costs

PERFORMANCE COMPARISON

	CLED2x10	CLED2x13	CLED2x20	CLED2x26	PLED2x10	PLED2x13	PLED2x20	PLED2x26
Nominal Input Watts	20W	26W	40W	52W	20W	26W	40W	52W
Delivered Lumens	1045	2006	2746	3654	1045	2069	2764	3654
Equivalency	32W CFL	70W MH	100W MH	175W MH	32W CFL	70W MH	100W MH	175W MH
Replacement Range	32-42W CFL up to 70W MH	70-100W MH	100-150W MH	100-250W MH	32-42W CFL up to 70W MH	70-100W MH	100-150W MH	100-250W MH
Mounting Height	8-15'	8-15'	8-15'	15-25'	10-18'	10-18'	10-18'	15-25'

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

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temperature	Lumen Output	Lumens per Watt	Mounting Height Range	Voltage
Ceiling Fixture							
CLED2x10	2 x 10 (20W)	25.7	Cool	1045	41	8'-15'	100-240V
CLED2x10W	2 x 10 (20W)	25.7	Cool	1045	41	8'-15'	100-240V
CLED2x13	2 x 13 (26W)	30.3	Cool	2006	66	8'-15'	100-277V
CLED2x13W	2 x 13 (26W)	30.3	Cool	2006	66	8'-15'	100-277V
CLED2x20	2 x 20 (40W)	43.0	Cool	2746	64	8'-15'	100-277V
CLED2x20W	2 x 20 (40W)	43.0	Cool	2746	64	8'-15'	100-277V
CLED2x26	2 x 26 (52W)	59.1	Cool	3654	62	15'-25'	100-277V
CLED2x26W	2 x 26 (52W)	59.1	Cool	3654	62	15'-25'	100-277V
Pendant Fixture							
PLED2x10	2 x 10 (20W)	25.7	Cool	1045	41	10'-18'	100-240V
PLED2x10W	2 x 10 (20W)	25.7	Cool	1045	41	10'-18'	100-240V
PLED2x13	2 x 13 (26W)	30.3	Cool	2069	68	10'-18'	100-277V
PLED2x13W	2 x 13 (26W)	30.3	Cool	2069	68	10'-18'	100-277V
PLED2x20	2 x 20 (40W)	43.0	Cool	2746	64	10'-18'	100-277V
PLED2x20W	2 x 20 (40W)	43.0	Cool	2746	64	10'-18'	100-277V
PLED2x26	2 x 26 (52W)	59.1	Cool	3654	62	15'-25'	100-277V
PLED2x26W	2 x 26 (52W)	59.1	Cool	3654	62	15'-25'	100-277V

For Warm light add "Y" before color suffix (Example: PLED2x10YW) • For Neutral White Light - 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 uplight position.

BUY WITH CONFIDENCE

RAB 5 5 Year LED Warranty

ida APPROVED Backlight Friendly Fixture www.darksky.org
Fully Shielded
Full Cutoff Optics

U.S. GREEN BUILDING COUNCIL LEED USGBC
For use on LEED buildings to attain Light Pollution Reduction Credit

lighting facts LED Product Partner

c UL US LISTED

LFLOOD®
LED FLOODLIGHTS


HBLED


FFLED18


FFLED39


FXLED78
(Slipfitter Mount shown)

SPECIFICATIONS

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

Finish:
White and Bronze chip and fade resistant polyester powder coat finish. HBLED also available in Black or Verde Green.

LED Light Engine:
Multi-chip 10, 13 or 18W high-output long-life LED.

10W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection, 350mA, 0.3 Amps., Power Factor: 57.1%

13W Driver: 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: 97.5%

18W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 700mA, 100-277VAC: 0.4 Amps, THD ≤ 20% Power Factor: 99.2%

26W Driver: Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC: 0.4 Amps., THD ≤ 20%, Power Factor: 99.2%

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

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

California Title 24:
RAB LED Floolights comply with California Title 24 building and electrical codes.

Heatsink: (Patent Pending)

LFLOOD: Die-cast aluminum thermal management system for optimal heat dissipation.

FFLED & FXLED: Superior heat sinking with external Air-Flow fins.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High Temperature Silicone.

Housing:
Precision die-cast aluminum housing and hood.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
Suitable for use in 40°C (104°F) ambient temperatures.

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

Meet the New Face of Floodlights

PERFORMANCE COMPARISON




	HBLED10	HBLED13	FFLED18*	FFLED39*	FXLED78 (Trunnion Mount shown)
Delivered Lumens	338 Flood 400 Spot	724 Flood 820 Spot	1624	2999	5927
Equivalency	45W PAR	90W PAR	70W MH	150W MH	250W MH
Replacement Range	45-75W PAR	90-100W PAR	35-150W MH	100-175W MH	150-320W MH
Mounting Height	Ground - 15'	Ground - 15'	Ground - 15'	Ground - 20'	Ground - 35'
Weight	3.5 lbs.	3.5 lbs.	4.8 lbs.	12.5 lbs.	24 lbs.

Values shown for cool temperature. Please visit www.rabweb.com for details on neutral and warm.
HBLED10 & HBLED13 come with a Flood & Spot Reflector.
*It is recommended that the FFLED18 and FFLED39 be mounted with the RAB XC1 Heavy Duty Cover and the RAB VXC.

CATALOG NUMBERS

Catalog #	LED Watts	Input Watts	Color Temperature	Spot Beam Angle	Spot Lumens	Spot LPW	CRI	Flood Lumens	Flood LPW	NEMA Type	Voltage
HBLED10A	10	13.3	Cool	29°	400	31	61	338	25	5H x 5V	100-240V
HBLED10YA	10	13.2	Warm	28°	350	27	75	297	23	5H x 5V	100-240V
HBLED13A	13	15.3	Cool	26°	820	54	69	724	47	5H x 5V	100-277V
HBLED13NA	13	15.0	Neutral	25°	596	40	87	505	34	5H x 5V	100-277V
HBLED13YA	13	15.2	Warm	27°	537	35	86	461	30	5H x 5V	100-277V
FFLED18	18	22.4	Cool	--	---	--	70	1624	73	7H x 6V	100-277V
FFLED18N	18	22.3	Neutral	--	---	--	83	1270	57	7H x 6V	100-277V
FFLED18Y	18	22.5	Warm	--	---	--	85	1075	48	7H x 6V	100-277V
FFLED39	38	45.0	Cool	--	---	--	68	2991	73	7H x 6V	100-277V
FFLED39N	38	45.0	Neutral	--	---	--	68	2379	57	7H x 6V	100-277V
FFLED39Y	38	45.0	Warm	--	---	--	68	2081	48	7H x 6V	100-277V
FXLED78T*	78	91.0	Cool	--	---	--	67	5927	65	6H x 5V	100-277V
FXLED78TN	78	92.0	Neutral	--	---	--	86	4645	51	6H x 5V	100-277V
FXLED78TY	78	90.0	Warm	--	---	--	87	4037	45	6H x 5V	100-277V
FXLED78SF**	78	91.0	Cool	--	---	--	67	5927	65	6H x 5V	100-277V
FXLED78SFN	78	92.0	Neutral	--	---	--	86	4645	51	6H x 5V	100-277V
FXLED78SFY	78	90.0	Warm	--	---	--	87	4037	45	6H x 5V	100-277V

*T designates Trunnion Mount. **SF designates Slipfitter Mount.

Finishes: HBLED - For Black, White or Verde Green finish, add suffix B, W, or VG in place of Bronze (A) Catalog number (Example: HBLED13YB).
FFLED & FXLED - For White finish, add suffix W at the end of the Catalog number (Example: FXLED78TYW).

ACCESSORIES

Catalog #
GDFFLED18W Wire Guard **GDFFLED18P** Shield **GDFFLED39W** Wire Guard **GDFFLED39P** Shield **GDFXLED78W** Wire Guard **GDFXLED78P** Shield

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

c UL us LISTED
SUITABLE FOR WET LOCATIONS

lighting facts
LED Product Partner

BLED™
LED BOLLARDS

SPECIFICATIONS

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

Finish:
White or Bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
Multi-chip 5, 10 and 13W high-output long-life LEDs.

5W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection 350mA, 0.18 Amps., Power Factor: 43.7%

2x5W Driver: 0.36 Amps

10W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection, 350mA, 0.3 Amps., Power Factor: 57.1%

2x10W Driver: 0.6 Amps

13W Driver: 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: 97.5%

2x13W Driver: 0.6 - 0.3 Amps, 277VAC: 0.3 Amps.

California Title 24:
RAB LED BLEDs comply with California Title 24 building and electrical codes.

Heatsink:
Die-cast aluminum thermal management system for optimal heat dissipation.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F). BLED5: -20°C (-4°F)

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High temperature silicone.

Housing:
Precision die-cast aluminum housing, lens frame.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
BLED5: Suitable for use in 40°C (104°F) ambient temperatures.

BLED10: Suitable for use in 40°C (104°F) ambient temperatures.

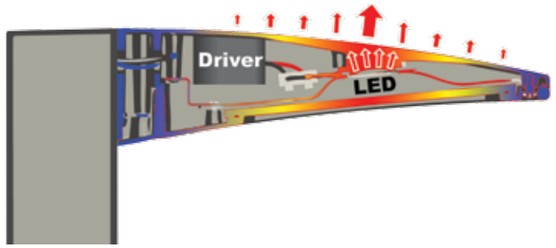
BLED13: Suitable for use in 50°C (122°F) ambient temperatures.

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

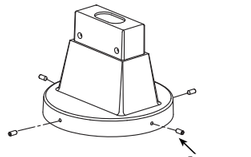
Patents:
RAB LED BLED designs are protected by U.S. patents and patents pending in U.S., Canada, China, Taiwan and Mexico.

Affordable LED Pathway Lighting

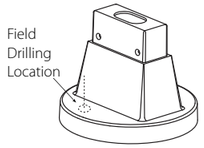
PURPOSE-BUILT LED LUMINAIRE



MOUNTING OPTIONS



BOLBASE
(For New Construction)



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

CATALOG NUMBERS

Catalog # Bronze	Catalog # White	LED Watts	Input Watts	Color Temperature	Lumen Output	Lumens per Watt	Voltage
1 FIXTURE	**1 FIXTURE**						
BLED5-18*	BLED5-18W*	5	5.3	Cool	196	37	100-240V
BLEDR5-18*	BLEDR5-18W*	5	5.2	Cool	213	41	100-240V
2 FIXTURE	**2 FIXTURE**						
BLED2x5-18*	BLED2x5-18W*	5	10.6	Cool	392	37	100-240V
BLEDR2x5-18*	BLEDR2x5-18W*	5	10.4	Cool	426	41	100-240V

*Also Available in 36" and 42" Bollard lengths - Replace suffix 18 with 36 or 42 (Example: BLED5-36).
For Warm light add "Y" before color suffix (Example: BLED5-18YW) • For Neutral White Light - add "N" before color suffix (Example: BLED5-18NW).

1 FIXTURE	**1 FIXTURE**						
BLED10	BLED10W	10	13.2	Cool	547	41	100-240V
BLED10Y	BLED10YW	10	13.2	Warm	410	31	100-240V
2 FIXTURE	**2 FIXTURE**						
BLED2x10	BLED2x10W	20	26.4	Cool	1094	41	100-240V
BLED2x10Y	BLED2x10YW	20	26.4	Warm	820	31	100-240V
1 FIXTURE	**1 FIXTURE**						
BLED13	BLED13W	13	14.9	Cool	1064	71	100-277V
BLED13Y	BLED13YW	13	14.9	Warm	662	44	100-277V
2 FIXTURE	**2 FIXTURE**						
BLED2x13	BLED2x13W	26	29.8	Cool	2128	71	100-277V
BLED2x13Y	BLED2x13YW	26	29.8	Warm	1324	44	100-277V
1 FIXTURE	**1 FIXTURE**						
BLED20	BLED20W	20	21.7	Cool	1401	65	100-277V
BLED20Y	BLED20YW	20	21.7	Warm	662	44	100-277V
2 FIXTURE	**2 FIXTURE**						
BLED2x20	BLED2x20W	40	43.4	Cool	2802	65	100-277V
BLED2x20Y	BLED2x20YW	40	43.4	Warm	1970	45	100-277V

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

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

ida APPROVED Fully Shielded Full Cutoff Optics

U.S. Green Building Council LEED USGBC — For use on LEED buildings to attain Light Pollution Reduction Credit

lighting facts LED Product Partner

c UL us LISTED SUITABLE FOR WET LOCATIONS

LVAPOR™
LED VAPORPROOF

VXBRLED13DG

VXLED13DG

SPECIFICATIONS

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

Finish:
Natural shot blasted aluminum.

LED Light Engine:
Multi-chip single 13W high-output long-life LED.

13W Driver: Constant Current, 100V-277V, 50/60 Hz, 100-240VAC: 0.3-0.15 Amp, 277VAC: .15 Amps. THD ≤ 20%
Power Factor: 97.5%

California Title 24:
RAB LED LVAPOR complies with California Title 24 codes.

Heatsink (Patent Pending):
Die-cast LED housing designed for maximum heat dissipation.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High Temperature Silicone.

Housing:
Precision die-cast aluminum housing, lens frame.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
Suitable for use in 40°C (104°F) ambient temperatures.

Mounting:
(3) 1/2" NPS conduit entry points.

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.

LED Vaporproof...
Traditional Look with Cutting-Edge Technology

TWO MOUNTING TYPES - TWO COLOR TEMPERATURES

VXLED13DG
- Ceiling Mount
- Cool Light

VXLED13YDG
- Ceiling Mount
- Warm Light

VXLED13
Must be customized with globes below

VXBRLED13DG
- Wall Mount
- Cool Light

VXBRLED13YDG
- Wall Mount
- Warm Light

VXBRLED13
Must be customized with globes below

OPTIONAL GLOBES

Round Bottom Glass

Amber
GL100A

Blue
GL100B

Green
GL100G

Ruby
GL100R

Opal
GL100W

Heat Resistant

Clear
GL100HR

Prismatic

Prismatic
GL100PRS

Permaglobes, Unbreakable Polycarbonate

Amber
GL100PGA

Blue
GL100PGB

Green
GL100PGG

Ruby
GL100PGR

Opal
GL100PGW

Clear Prismatic
GL100PG

Die-Cast Guard

Die-Cast Aluminum Guard
(Glass Globes Only)
GD100DG

Wire Guards

Wire Clamp Guard
GD100CLB

Flat Bottom Wire Guard
(Polycarbonate Globes Only)
GD100BAR

NOTE: Replacement Frosted Globe: **GL100FR**

CATALOG NUMBERS

Catalog Number	LED Watts	Input Watts	Color Temp	Lumen Output*	Lumens per Watt*	Voltage
VXLED13DG	13	15.1	Cool	729	48	100-277V
VXBRLED13DG	13	15.1	Cool	729	48	100-277V
VXLED13YDG	13	15.1	Warm	507	33	100-277V
VXBRLED13YDG	13	15.1	Warm	507	33	100-277V

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

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

100 up to 277 Volts

lighting facts LED Product Partner

c UL us LISTED SUITABLE FOR WET LOCATIONS

LGOOSE™
LED GOOSENECKS

24" black gooseneck arm,
13W LED head and
Angled Cone Shade

24" black gooseneck arm,
13W LED head and
Angled Dome Shade

24" black gooseneck arm,
13W LED head and
Straight Shade

SPECIFICATIONS

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

Finish:
Black or white chip and fade resistant polyester powder coat finish.

LED Light Engine:
Single multi-chip, 13 Watt high-output long-life LED.

13W Driver: Constant Current, 100-277V, 50/60 Hz; 100-240VAC: 0.3-0.15 Amps, 277VAC: 0.15 Amps. THD ≤ 20% Power Factor: 97.5%

California Title 24:
RAB LED LGOOSE complies with California Title 24.

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

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F).

Green Technology:
RAB LEDs are Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

Gaskets:
High Temperature Silicone.

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

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

Shades:
Angled Cone, Angled Dome or Straight Shade offered.

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.

Color Uniformity:
RAB's range of CCT (Correlated Color Temperature) follows ANSI Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Color Stability:
RAB LEDs exceed industry standards for chromatic stability.

Ambient Temperature:
Suitable for use in 40°C (104°F) ambient temperatures.

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

Main Street Just Got Brighter... And Greener.

BUILD YOUR OWN FIXTURE

LFGNLEDB
Frosted Lens & Door Frame Replacement, Black

LFGNLEDW
Frosted Lens & Door Frame Replacement, White

GOOSE1B
Gooseneck 24" Arm

GOOSE1W
Gooseneck 24" Arm

GNLED13NB
13W LED Head

GSACB
Angled Cone Shade

GSADB
Angled Dome Shade

GSSTB
Straight Shade

LRFGNLEDB
Clear Lens & Reflector Kit

LRFGNLEDW
Clear Lens & Reflector Kit

GNLED13NW
13W LED Head

GSACW
Angled Cone Shade

GSADW
Angled Dome Shade

GSSTW
Straight Shade

CATALOG NUMBERS

Catalog # Black	Catalog # White	Description	LED Watts	Input Watts	Color Temperature	Lumen Output	Lumens per Watt	Voltage
GNLED13YB	GNLED13YW	13W LED Head	13	15.1	Warm	556	36	100-277V
GNLED13NB	GNLED13NW	13W LED Head	13	15.1	Neutral	643	43	100-277V
GOOSE1B	GOOSE1W	Gooseneck 24' Arm	-	-	-	-	-	-
GSACB	GSACW	Angled Cone Shade	-	-	-	-	-	-
GSADB	GSADW	Angled Dome Shade	-	-	-	-	-	-
GSSTB	GSSTW	Straight Shade	-	-	-	-	-	-
LRFGNLEDB	LRFGNLEDW	Clear Lens & Reflector Kit w/Door Frame	-	-	-	-	-	-
LFGNLEDB	LFGNLEDW	Frosted Lens & Door Frame Replacement	-	-	-	-	-	-

BUY WITH CONFIDENCE

RAB 5 Year LED Warranty

ida APPROVED Fully Shielded Full Cutoff Optics

U.S. Green Building Council LEED USGBC For use on LEED buildings to attain Light Pollution Reduction Credit

lighting facts LED Product Partner

c UL us LISTED SUITABLE FOR WET LOCATIONS

LSTEP®
LED STEP LIGHTS

RAB 5 Year LED Warranty

lighting facts LED Product Partner

c UL us LISTED
SUITABLE FOR WET LOCATIONS

SPECIFICATIONS

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

Finish:
White or Bronze chip and fade resistant polyester powder coat finish.

LED Light Engine:
5W high output long life LED.

5W Driver: Constant Current, Class 2, 100V-240V, 50/60 Hz, 1kv Surge Protection 350mA, 0.18 Amps., Power Factor: 43.7%

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

Cold Weather Starting:
The minimum starting temperature is -20°C (-4°F).

Green Technology:
Mercury and UV free, and are RoHS compliant.

Lumen Maintenance:
The LED will deliver 70% of its initial lumens at 50,000 hours of operation.

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

Surge Protection:
1KV

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.

Ambient Temperature:
Suitable for use in 40°C (104°F) ambient temperatures.

Gaskets:
High temperature silicone.

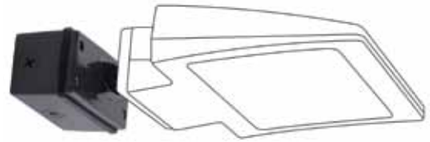
Patents:
RAB LED STEP Lights are protected by U.S. patents and patents pending in Canada and China.

CATALOG NUMBERS

Catalog #	Description	LED Watts	Input Watts	Color Temperature	Lumen Output	Lumens per Watt	Voltage
SLED5	Square Bronze	5	5.3	Cool	196	37	100-240V
SLED5W	Square White	5	5.3	Cool	196	37	100-240V
SLED5Y	Square Bronze	5	5.3	Warm	128	24	100-240V
SLED5YW	Square White	5	5.3	Warm	128	24	100-240V
SLEDR5	Round Bronze	5	5.2	Cool	213	41	100-240V
SLEDR5W	Round White	5	5.2	Cool	213	41	100-240V
SLEDR5Y	Round Bronze	5	5.2	Warm	133	25	100-240V
SLEDR5YW	Round White	5	5.2	Warm	133	25	100-240V

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

Brackets



WALL WASH, SIGN LIGHTING & MORE

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 ½" NPS threaded hole.

Weight capacity:
7lbs.

Construction:
All aluminum construction 1" diameter, ¼" thick extension rod with ½" 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:
Weather resistant polyester powder coat bronze or white.

CATALOG NUMBERS

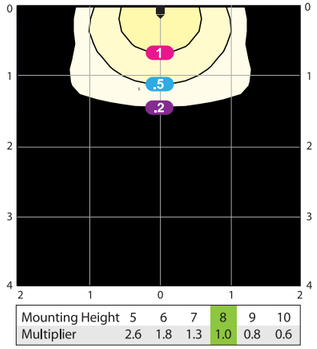
Catalog #	Description	Dimensions	Use With:
GOOSE1	Gooseneck Fixed Arm Bracket - Bronze	24 1/2"x 7 5/8"	WPLED20, WPLED26
GOOSE1W	Gooseneck Fixed Arm Bracket - White	24 1/2"x 7 5/8"	WPLED20, WPLED26
ARM24	Straight Arm Bracket - Bronze	24"x 1" Diameter Rod	WPLED10, WPLED13, WPLED20 and WPLED26
ARM24W	Straight Arm Bracket - White	24"x 1" Diameter Rod	WPLED10, WPLED13, WPLED20 and WPLED26
SWIVEL30	30° Swivel Bracket - Bronze	5"x 2 1/2"x 2 1/4"	WPLED10, WPLED13, WPLED20 and WPLED26
SWIVEL30W	30° Swivel Bracket - White	5"x 2 1/2"x 2 1/4"	WPLED10, WPLED13, WPLED20 and WPLED26
ARMSV24	Straight Arm Bracket with 30° Swivel - Bronze	26" Arm with 30° Swivel	WPLED10, WPLED13, WPLED20 and WPLED26
ARMSV24W	Straight Arm Bracket with 30° Swivel - White	26" Arm with 30° Swivel	WPLED10, WPLED13, WPLED20 and WPLED26

Photometrics

Layout grid represents Multiples of Mounting Height. Values shown in Footcandles.

WPLED5

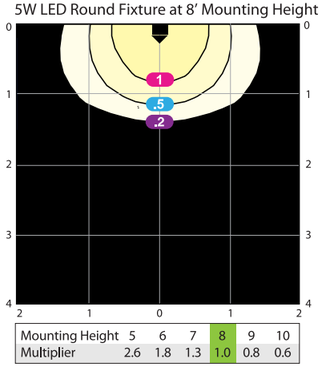
5W LED Square Fixture at 8′ Mounting Height



Mounting Height	5	6	7	8	9	10
Multiplier	2.6	1.8	1.3	1.0	0.8	0.6

WPLEDR5

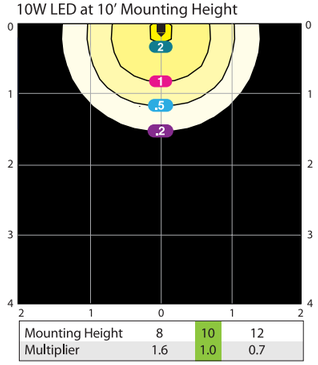
5W LED Round Fixture at 8′ Mounting Height



Mounting Height	5	6	7	8	9	10
Multiplier	2.6	1.8	1.3	1.0	0.8	0.6

WPLED10

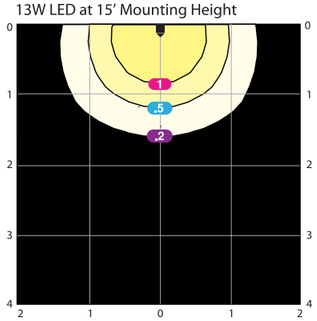
10W LED at 10′ Mounting Height



Mounting Height	8	10	12
Multiplier	1.6	1.0	0.7

WPLED13

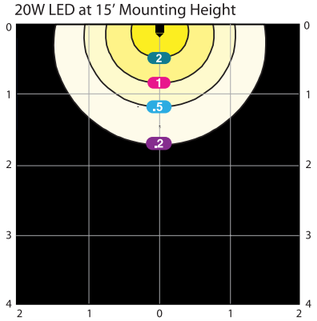
13W LED at 15′ Mounting Height



Mounting Height	8	10	12	15
Multiplier	3.5	2.3	1.6	1.0

WPLED20

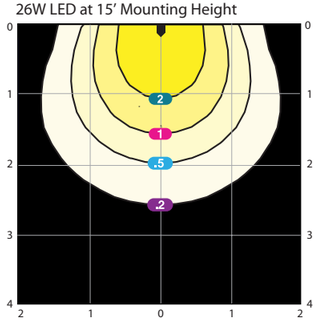
20W LED at 15′ Mounting Height



Mounting Height	8	10	12	15	18
Multiplier	3.5	2.3	1.6	1.0	0.7

WPLED26

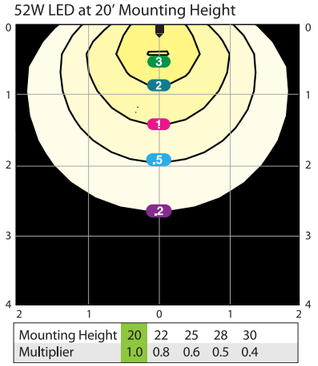
26W LED at 15′ Mounting Height



Mounting Height	8	10	12	15	18	20
Multiplier	3.5	2.3	1.6	1.0	0.7	0.6

WPLED52

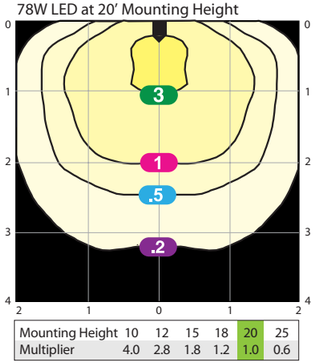
52W LED at 20′ Mounting Height



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

WPLED4T78 (Type IV)

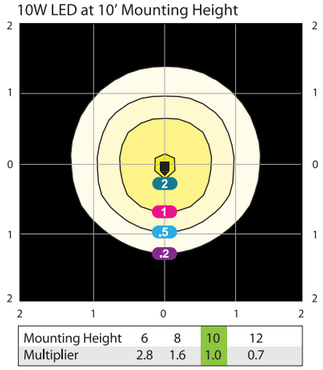
78W LED at 20′ Mounting Height



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

ALED10

10W LED at 10′ Mounting Height

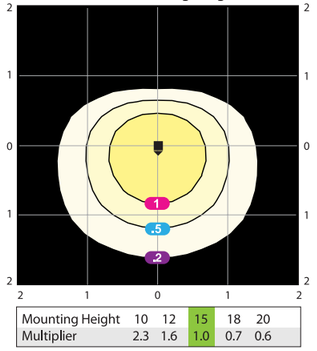


Mounting Height	6	8	10	12
Multiplier	2.8	1.6	1.0	0.7

Values shown are for cool light only. For neutral and warm IES Photometric files, visit www.rabweb.com. Search for the product and click "IESFile".

ALED13

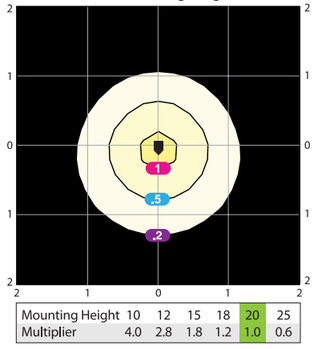
13W LED at 15′ Mounting Height



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

ALED20

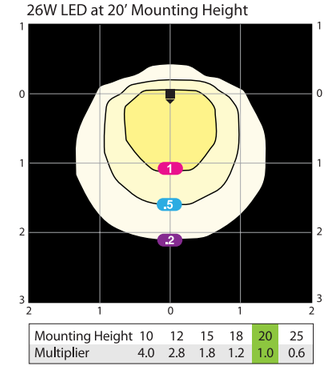
20W LED at 20′ Mounting Height



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

ALED26

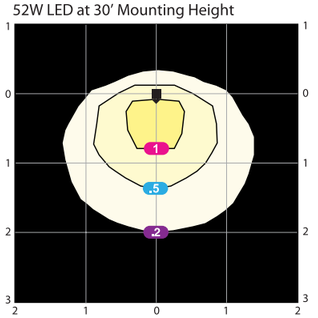
26W LED at 20′ Mounting Height



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

ALED52

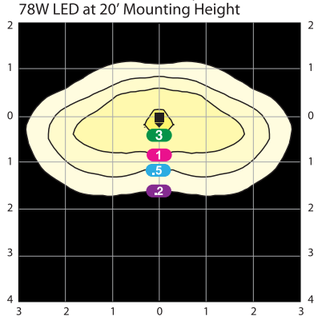
52W LED at 30′ Mounting Height



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

ALED2T78 (Type II)

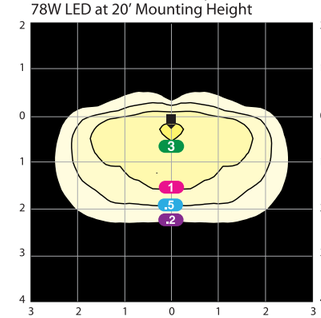
78W LED at 20′ Mounting Height



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

ALED3T78 (Type III)

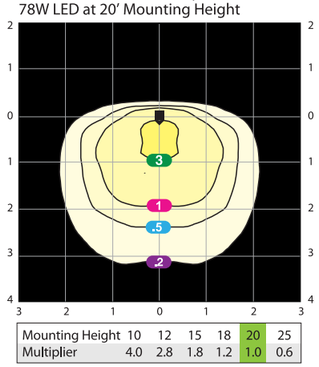
78W LED at 20′ Mounting Height



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

ALED4T78 (Type IV)

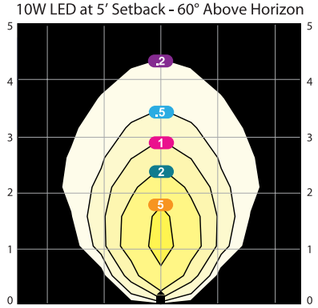
78W LED at 20′ Mounting Height



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

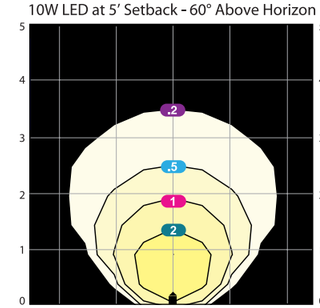
HBLED10 (Spot)

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



HBLED10 (Flood)

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

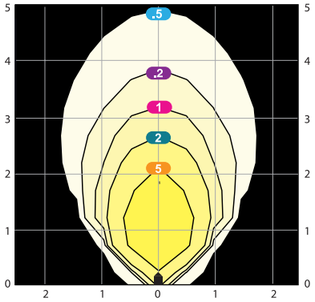


Photometrics

Layout grid represents Multiples of Mounting Height. Values shown in Footcandles.

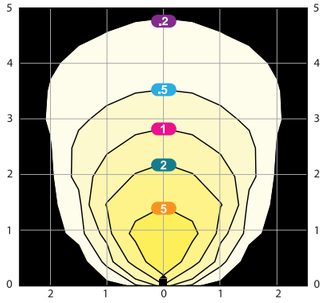
HBLED13 (Spot)

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



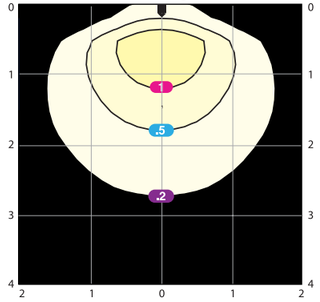
HBLED13 (Flood)

13W Flood, 5′ Setback - 60° Above Horizon



FFLED18

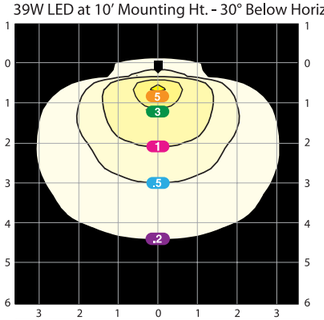
18W LED at 10′ Mounting Ht. - 30° Below Horizon



Mounting Height	8	10	12	15
Multiplier	1.6	1.0	0.7	0.4

FFLED39

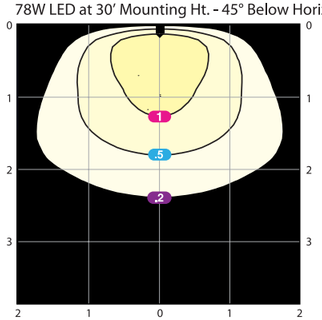
39W LED at 10′ Mounting Ht. - 30° Below Horizon



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

FXLED78

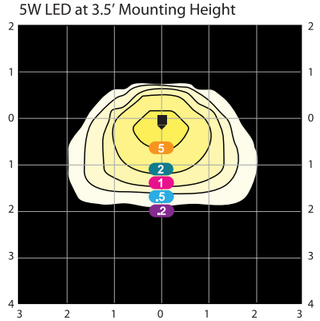
78W LED at 30′ Mounting Ht. - 45° Below Horizon



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

BLED5

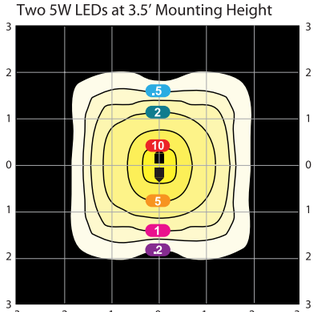
5W LED at 3.5′ Mounting Height



Mounting Height	1.5	3.0	3.5
Multiplier	5.4	1.4	1.0

BLED2x5

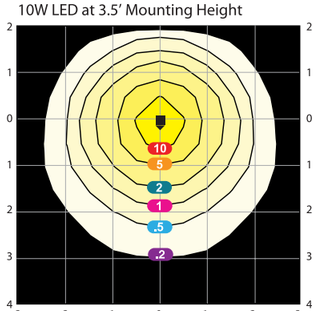
Two 5W LEDs at 3.5′ Mounting Height



Mounting Height	1.5	3.0	3.5
Multiplier	5.4	1.4	1.0

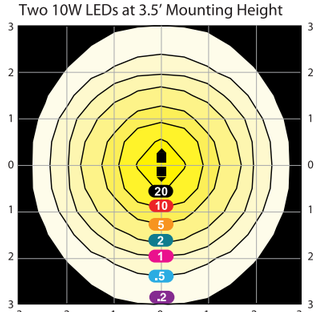
BLED10

10W LED at 3.5′ Mounting Height



BLED2x10

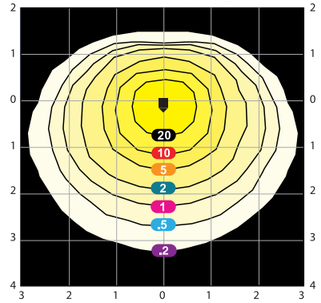
Two 10W LEDs at 3.5′ Mounting Height



Values shown are for cool light only. For neutral and warm IES Photometric files, visit www.rabweb.com. Search for the product and click "IESFile".

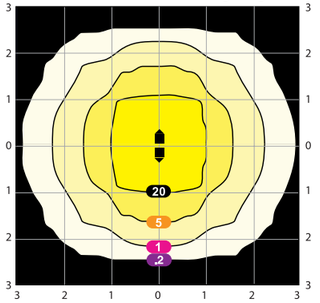
BLED13

13W LED at 3.5′ Mounting Height



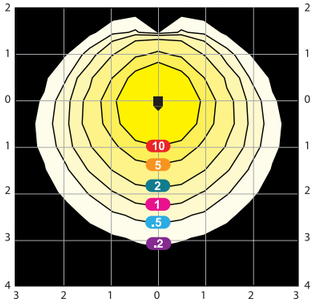
BLED2x13

Two 13W LEDs at 3.5′ Mounting Height



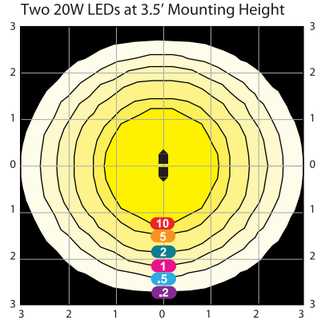
BLED20

20W LED at 3.5′ Mounting Height



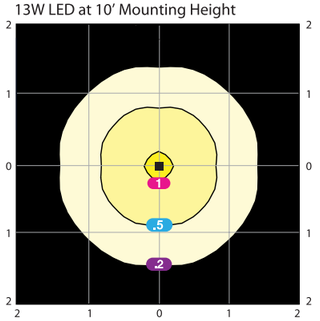
BLED2x20

Two 20W LEDs at 3.5′ Mounting Height



VXLED13DG

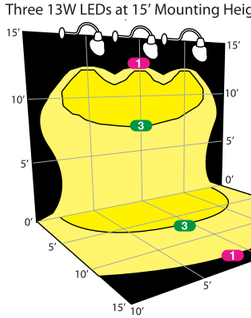
13W LED at 10′ Mounting Height



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

GNLED13B

Three 13W LEDs at 15′ Mounting Height

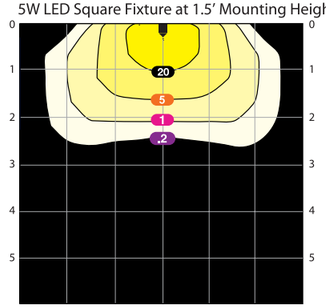


- Neutral Color Temp (4000K)
- Angled Cone Shade
- Extended 2′ from Wall
- Spaced 5′ Apart
- Tilted -20°

Grid Scale = 5′ 0″ - Values shown in Footcandles

SLED5

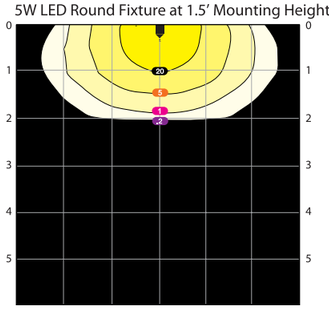
5W LED Square Fixture at 1.5′ Mounting Height



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

SLEDR5

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