



RATIO

Outdoor Luminaire Family



RATIO AREA/SITE

Beacon’s Ratio area/site family is available in a variety of outputs allowing you to customize your lighting design to meet application requirements. With a new spin on a classic rectilinear form, Ratio brings the traditional shoebox aesthetic into the next generation of LED lighting. Ratio features a dense optical array which provides reduced pixilation and increased visual comfort without compromising performance. Designed for sustained, long-term performance with advanced thermal management, an elegantly simple heat sink and industry leading surge protection.



VERSATILE Mounting



Knuckle



Mast Arm



Wall Mount



Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"

Universal Mounting



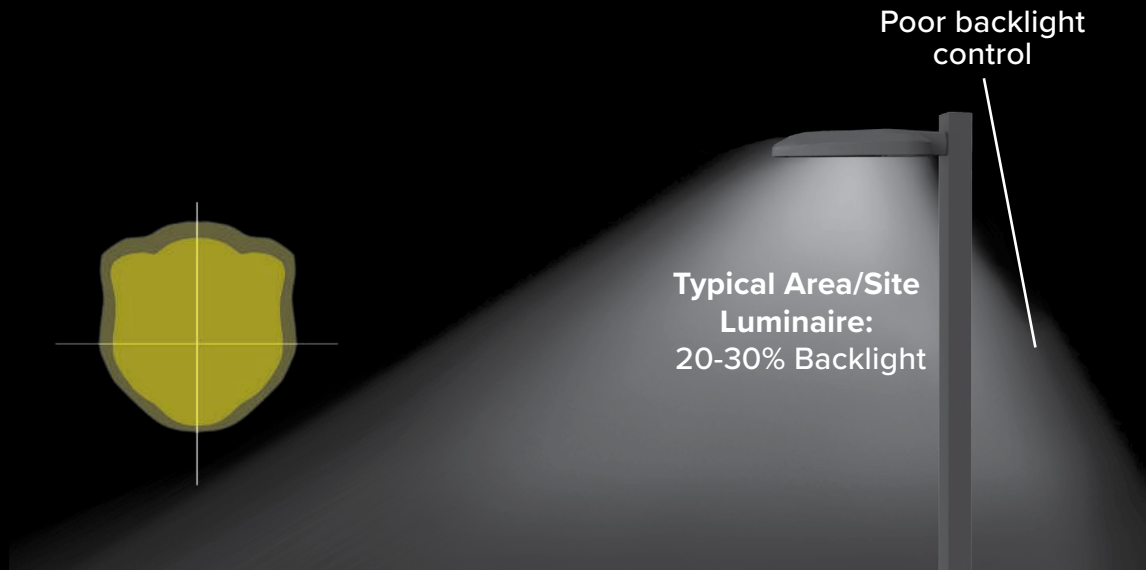
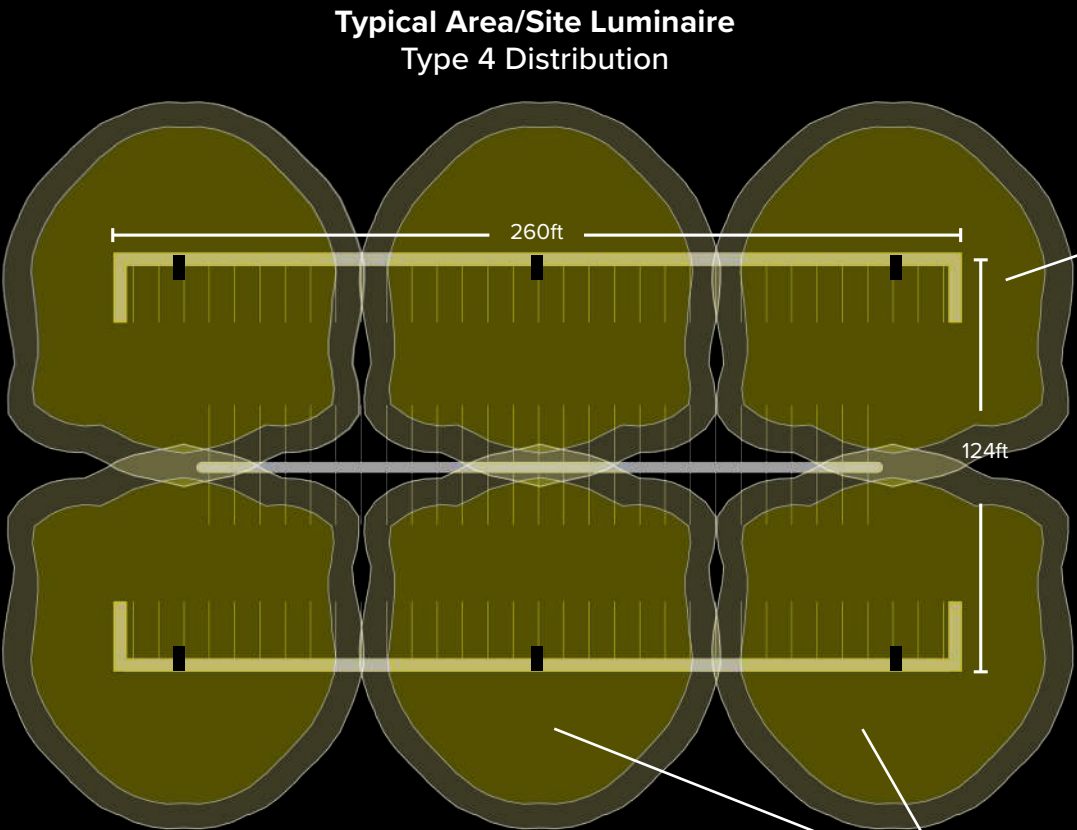
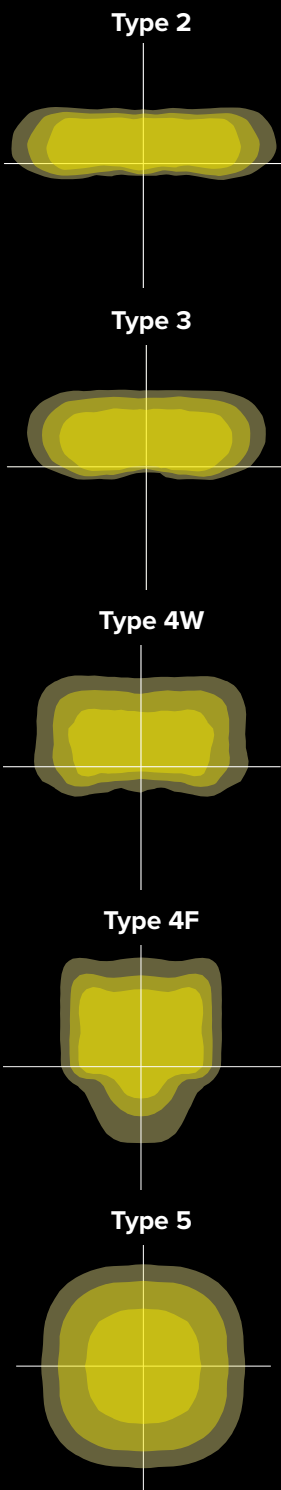
Size	RAR1-80L	RAR1-160L	RAR2-320L	RAR2-480L	RAR3-720L
Lumens	3,000–6,000	9,000–18,000	15,000–21,000	24,000–48,000	55,000–80,000
Watts	25/50W	70–135W	110–165W	185–340W	375–575W
LPW	140	144	155	147	150
Mounting	Arm, Mast Arm, Knuckle, Wall	Arm, Mast Arm, Knuckle, Wall	Arm, Mast Arm, Knuckle, Wall	Arm, Mast Arm, Knuckle, Wall	Arm, Mast Arm, Knuckle, Wall
CCT	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K
Distributions	2, 3, 4W, 4F, 5QW	2, 3, 4W, 4F, 5QW	2, 3, 4W, 4F, 5QW	2, 3, 4W, 4F, 5QW	2, 3, 4W, 4F, 5QW
IP Rating	IP66	IP66	IP66	IP66	IP66
Legacy Equivalence	100–175W	175–400W	250–400W	400–750W	1,000–1,500W

RATIO

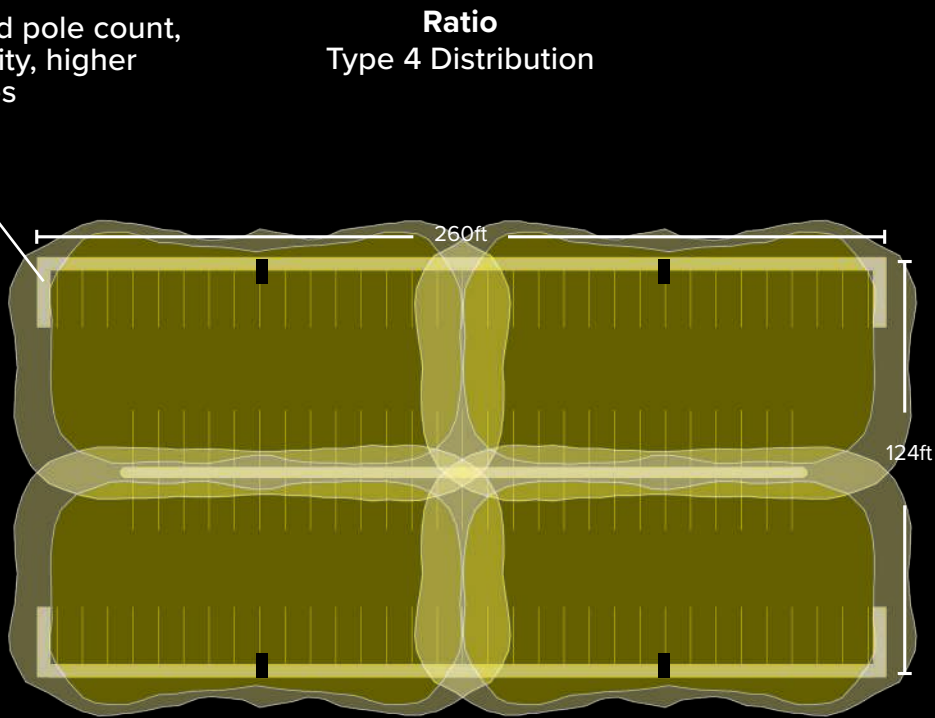
AREA/SITE – Performance

IES comparison

The Ratio is available with four distinct distribution patterns to illuminate a variety of applications. Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues. This outstanding optic control simplifies layouts and installations, reducing pole count, energy consumption, lowers installation costs and improves visual acuity.



Reduce fixture and pole count,
improved uniformity, higher
overall footcandles



Backlight Cutoff
Micro Strike Optics maximize target
illumination and uniformity while
minimizing backlight.



Luminaire	Parking Area									
	Illuminance (Fc)					Output				
	Minimum	Average	Maximum	Avg/Min	Max/Min	Watts	Lumens	Pole Spacing	# Of Poles	Total Watts
RAR-2-480L-210-4K7-4W @ 25' MH	1.4	3.0	6.6	2.1	4.7	210	27,000	130'	4	840
Typical Area/Site Luminaire @ 25' MH	1.0	2.9	8.3	2.9	8.3	215	27,524	100'	6	1,290

RATIO Flood



Beacon Lighting’s Ratio flood series is available in four sizes as well as a variety of outputs allowing you to customize your lighting design to meet application requirements.

The Ratio flood series was designed in cohesion with the site/area products to provide a sleek yet timeless product family to be used throughout a site. Ratio features a dense optical array which provides reduced pixelation and increased visual comfort without compromising performance.

Designed for sustained, long-term performance with advanced thermal management and elegantly simple heat sink and industry leading surge protection. Scalable sizes, multiple beam spreads and interchangeable mountings make this an extremely versatile product family.



Visor
RFL4 – RFL5



Louver
RFL4 – RFL5



Trunnion Mount
RFL4 – RFL5



Knuckle Mount
RFL4 – RFL5



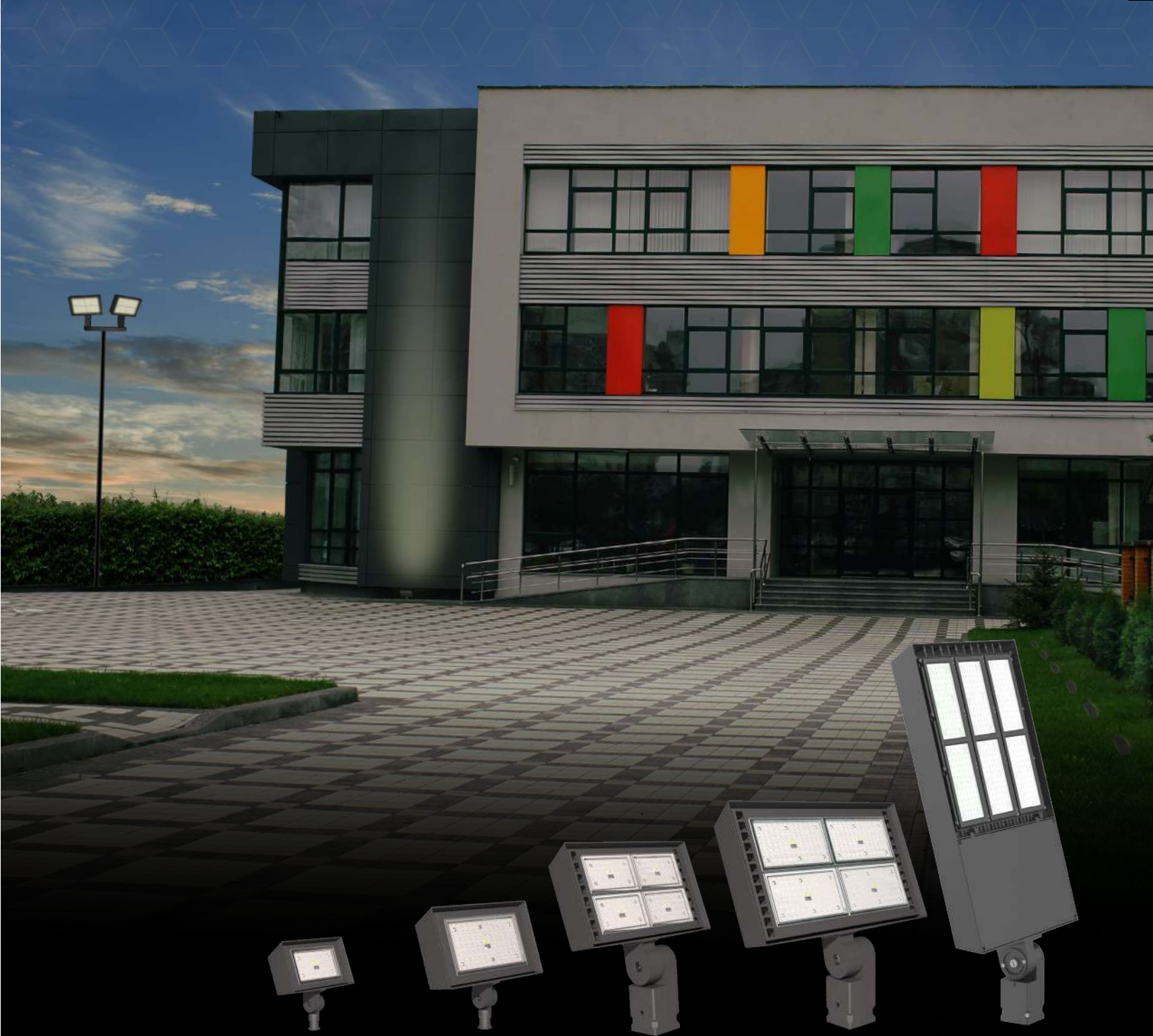
Yoke Mount
RAR3 Only



Knuckle Mount
RFL2 – RFL3



Trunnion Mount
RFL2 – RFL3

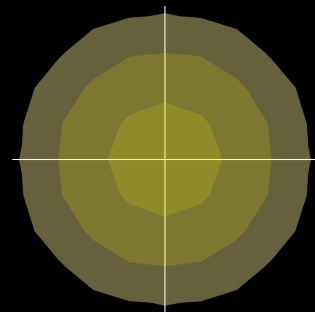


Size	RFL2	RFL3	RFL4	RFL5	RAR3-540L
Lumens	3,500	5,000/7,000	12,000/15,000	18,000/25,000/30,000	35,000–65,000
Watts	25W	40/50W	95/120W	130/190/265W	235-480W
LPW	132	139	140	149	144
Mounting	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion, Yoke
CCT	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K
Distributions	N, M, W	N, M, W	N, M, W	N, M, W	N, M, W
IP Rating	IP66	IP66	IP66	IP66	IP66
Legacy Equivalence	100-150W	175-250W	250-400W	750W-1000W	1,000W–1,500W

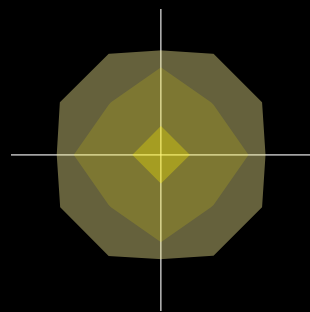
RATIO Flood – Performance

IES Distributions

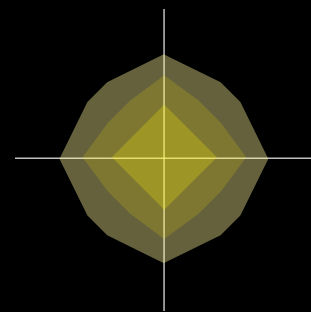
The Ratio flood series is available in three NEMA distribution patterns utilizing Micro Strike Optics for optimal performance.



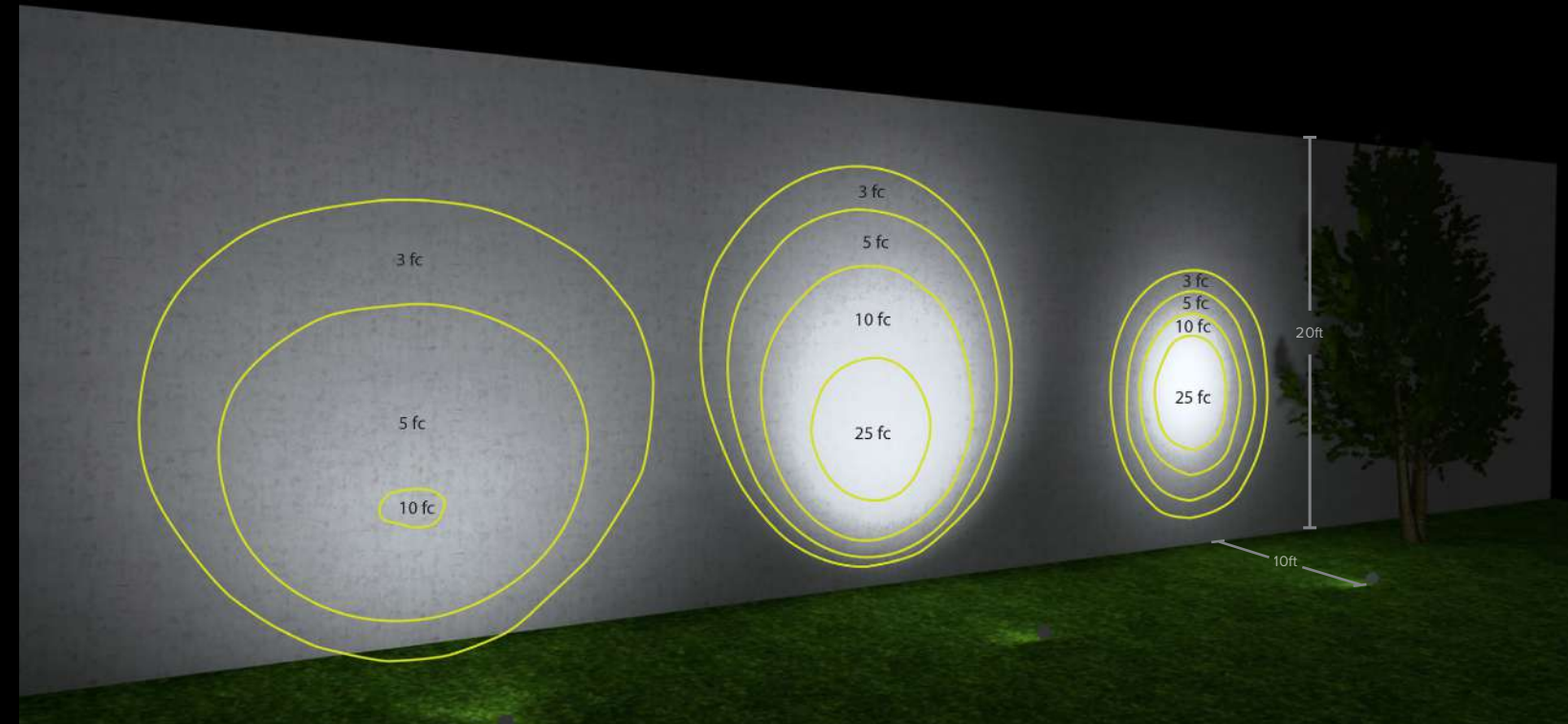
NEMA 6X6



NEMA 4X4

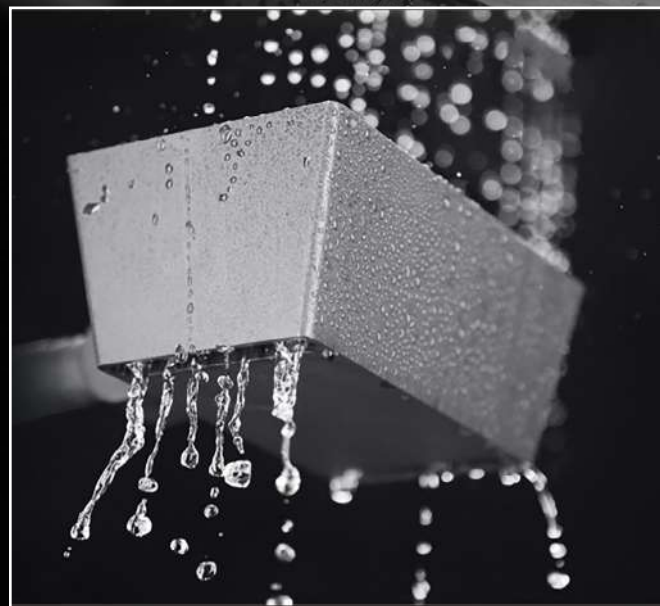


NEMA 2X2



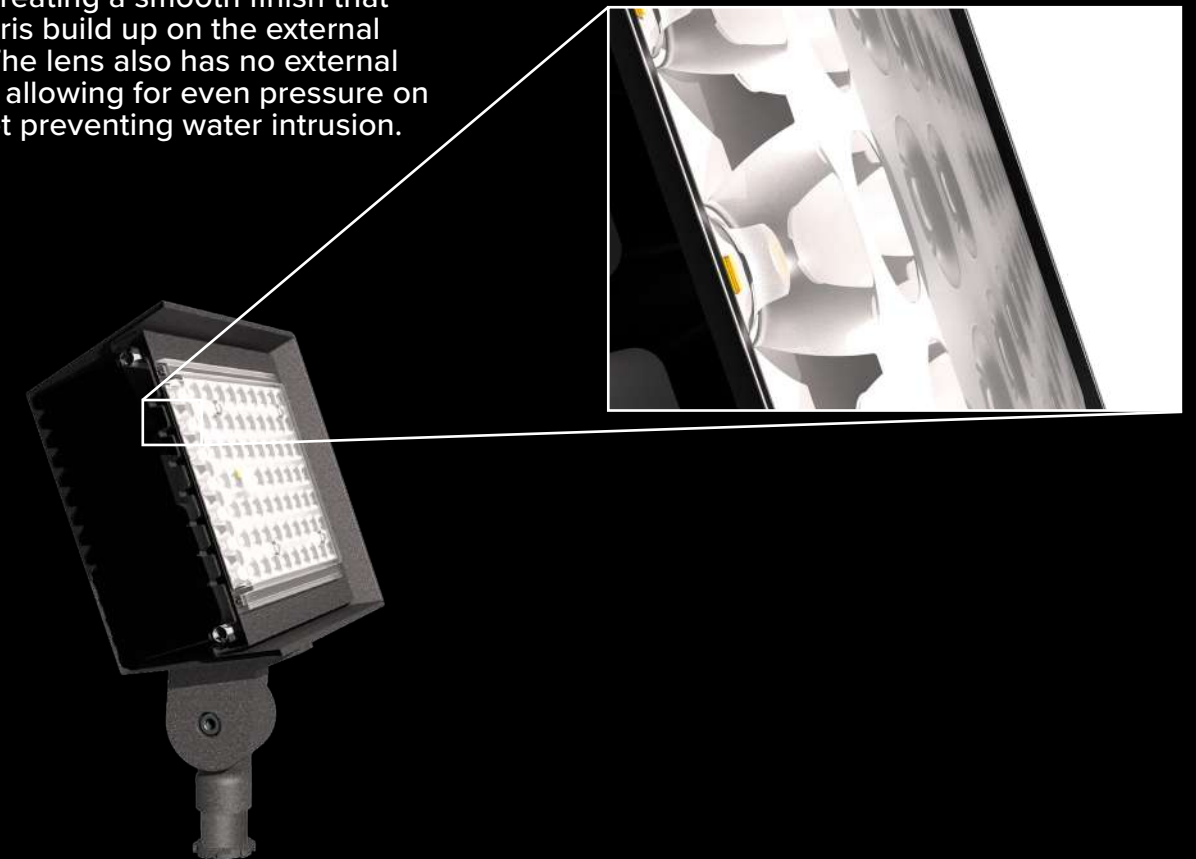
Superior design

The Ratio flood series was specifically designed to shed water. The vented housing, in addition to cooling the fixture, also eliminates the ability for water to build up anywhere on the luminaire surface.



Optical excellence

All optical geometry is on the inside of the lens creating a smooth finish that limits debris build up on the external surface. The lens also has no external hardware allowing for even pressure on the gasket preventing water intrusion.



RATIO Wall and Family

Beacon’s Ratio family has been expanded to include two wall products in addition to the existing three area luminaires and four flood luminaires. The expansive Ratio family contains a variety of outputs allowing you to customize your lighting design to meet application requirements.

With a new spin on a classic rectilinear form, Ratio Wall brings a traditional luminaire aesthetic into the next generation of wall packs from Beacon. Ratio Wall features a dense optical array which provides reduced pixelation and increased visual comfort without compromising performance. It is designed for sustained, long-term performance with advanced thermal management, an elegantly simple heat sink and industry leading surge protection.

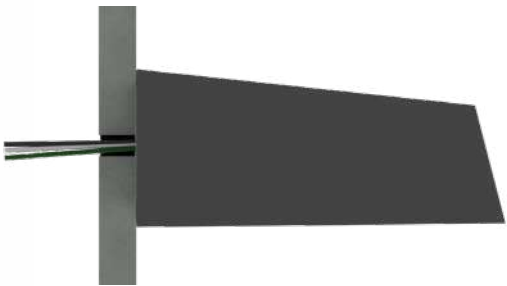
Installation

Ratio Wall was designed with mounting flexibility in mind. Between the standard housing, the back box accessory, and the integral back box this luminaire makes installation easy.

Standard Fixture



Wiring connections made in junction box



Wiring connection made in fixture

Back Box Accessory

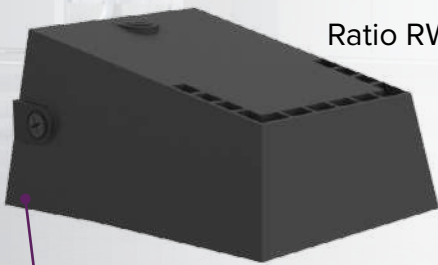


Allows fixture to mount to corrugated surfaces

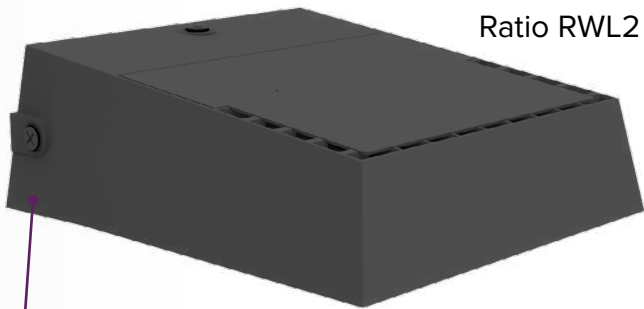


Provides four locations for conduit entry

Integral Back Box



Ratio RWL1



Ratio RWL2

Integral back box provides a smooth transition to the standard housing and provides four locations for conduit entry. This option is required for some control and battery options

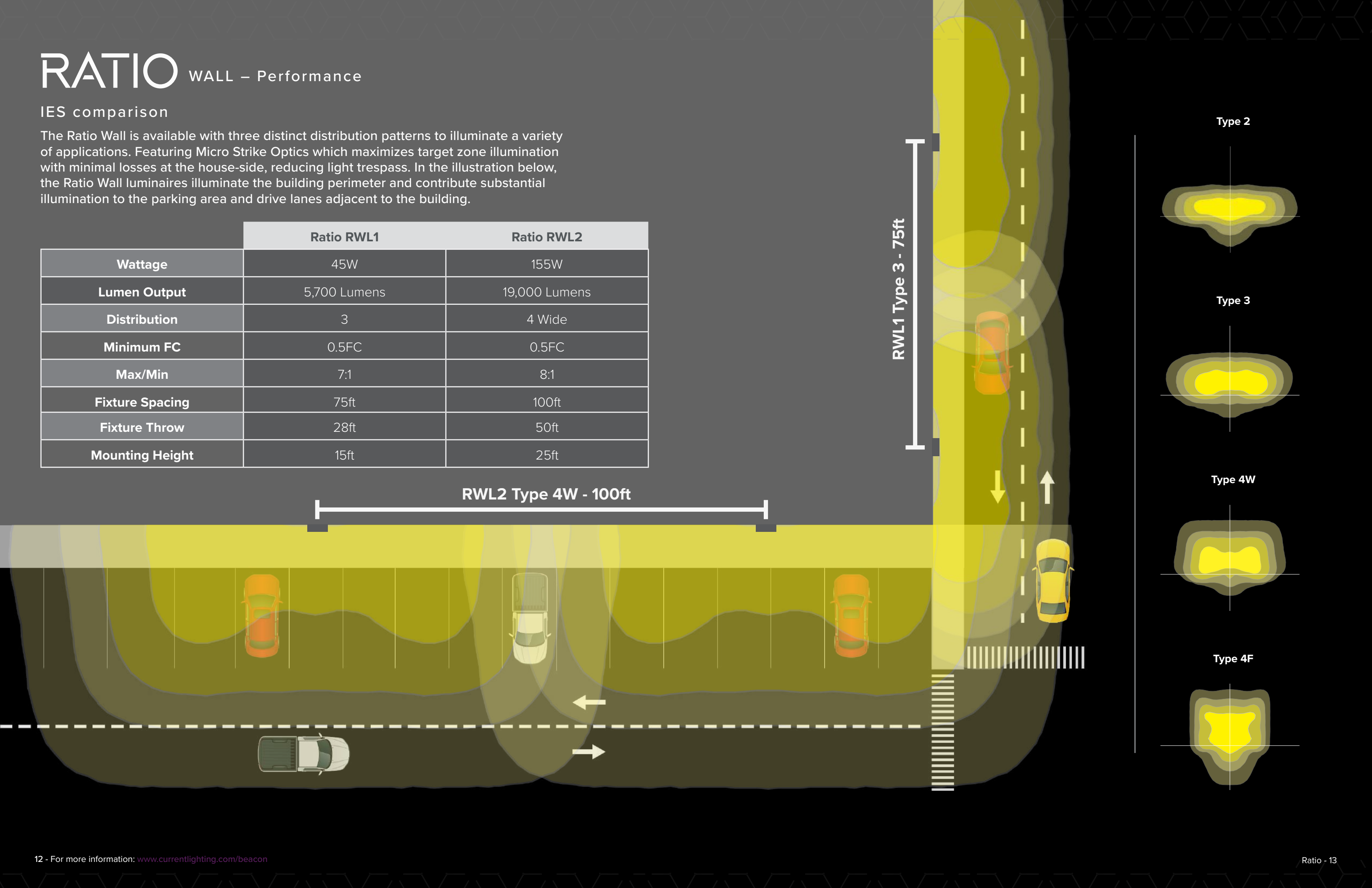
Size	RWL1	RWL2
Lumens	1,000–5,000	6,000–19,500
Watts	10–45	45–155
LPW	136	148
CCT	3K, 4K, 5K	3K, 4K, 5K
Distributions	3, 4W	2, 3, 4W, 4F
IP Rating	IP65	IP65
Legacy Equivalence	42W–175W	175W–400W

RATIO WALL – Performance

IES comparison

The Ratio Wall is available with three distinct distribution patterns to illuminate a variety of applications. Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass. In the illustration below, the Ratio Wall luminaires illuminate the building perimeter and contribute substantial illumination to the parking area and drive lanes adjacent to the building.

	Ratio RWL1	Ratio RWL2
Wattage	45W	155W
Lumen Output	5,700 Lumens	19,000 Lumens
Distribution	3	4 Wide
Minimum FC	0.5FC	0.5FC
Max/Min	7:1	8:1
Fixture Spacing	75ft	100ft
Fixture Throw	28ft	50ft
Mounting Height	15ft	25ft



RATIO Bollard

This bollard is the perfect compliment to the rectilinear Ratio family with its clean lines and low glare appearance. High performing optical distributions also add to the consistency across all the Ratio products. The Ratio Bollard is suitable for a variety of applications and it is available in multiple heights and has a field rotatable base plate.



Configurations	RBD-14L-7	RBD-28L-15	RBD-28L-15	RBD-42L-23	RBD-56L-30
Lumens	750	1,500	1,500	2,250	3,000
Watts	7W	15W	15W	23W	30W
Distribution	90°	180° opposing	180° adjacent	270°	360°

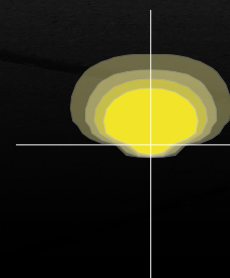
RATIO

Bollard - Performance

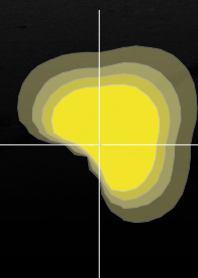


The Ratio Bollard has a unique optical design that provides great distribution flexibility in a full cutoff design. Each side of the bollard has it's own LED board so you can choose to illuminate any section, giving you light in 90 degree increments. This creates perfect distributions for open plazas, seating areas and sidewalks, no matter which way the path may lead.

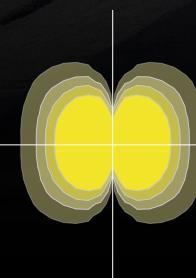
90°



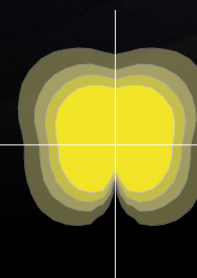
180° Adjacent



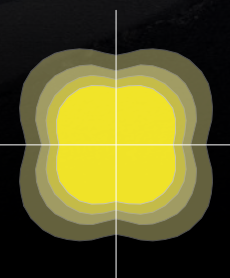
180°



270°



360°



RATIO

COMPREHENSIVE SOLUTIONS

Beacon Lighting provides comprehensive and coordinated solutions for a variety of exterior applications. A full line of luminaires are available with complementing shapes and styles that proportionally scale and add balance to the outdoor environment. Quality construction and industry leading performance complete the package. Control options featuring photocontrols, occupancy controls and NX Distributed Intelligence™ enable optimum energy savings and customization.

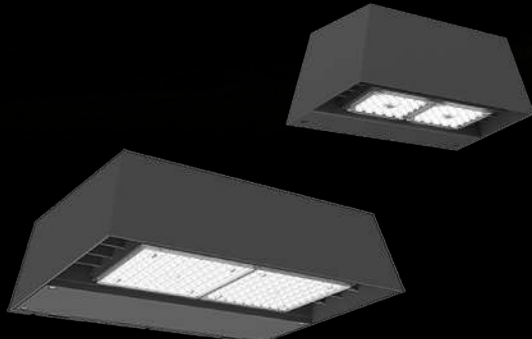
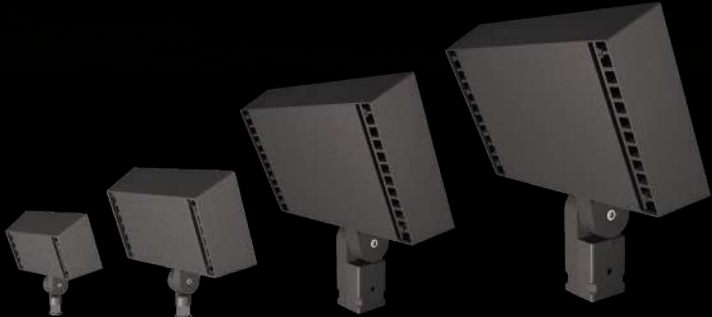


AREA/SITE

Flood

Wall

Bollard



RATIO

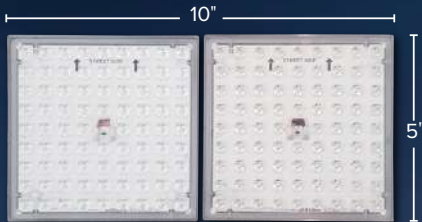
VISUAL COMFORT

Ratio's unique optical design combines visual uniformity with the precise distribution of a TIR optic. Five times the luminous surface area provides optimal light distribution plus visual comfort.

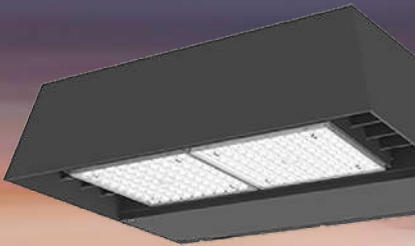
Competitor Optic (COB)



Micro Strike Optics



	Competitor Optic (COB)	Micro Strike Optics
Approximate Luminous Surface Area	10in ²	50in ²
Approximate Total Lumen Output	10,000	10,000
Lumens per inch ²	1,000	200



Ratio Wall
Designed for optimal visual comfort and maximum performance, the low optics versions provide excellent illumination and uniformity with zero LED pixelation.



RATIO

INTEGRATED CONTROLS

Controls in every applications save energy, extend luminaire life and allow customizable solutions. Scalable control solutions are available cross the entire Ratio family

STANDALONE CONTROLS functionality

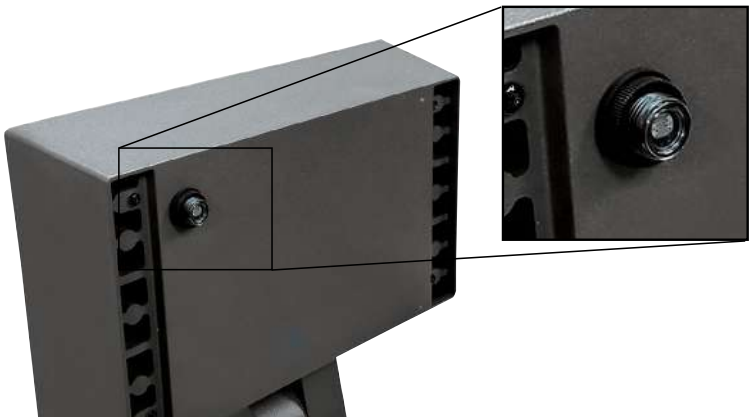
Occupancy Sensor

- Individual fixture control
- Dims product when space is not occupied



Photocontrol

- Individual fixture control
- Turns fixture on when sun sets



Integrated CONTROLS



NX Distributed Intelligence™ platform delivers a lighting control solution capable of seamlessly connecting exterior and interior applications.

- Standalone or networked fixture control
- Astronomical time schedules
- BACnet building networking
- Connects with indoor wired, wireless or hybrid networks
- Wireless setup via app
- Occupancy Sensor option dims product when space is not occupied



7-Pin Receptacle

- Compatible with 3-pin, 5-pin or 7-pin photocontrols
- Turns fixture on when sun sets, off when sun rises
- Wireless networked solution
- For use with a variety of control platforms

*Additional accessories required.



RATIO AREA/SITE Ordering information

STOCK

ORDERING INFORMATION

ORDERING EXAMPLE: RAR1-100-4K-4

CATALOG DESCRIPTION	LUMENS	WATTAGE	LED COUNT	CCT/CRI	VOLTAGE	DISTRIBUTION	MOUNTING	FINISH
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze
RAR1-100-4K-4	12,000	100W	160L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze
RAR1-135-4K-4	18,000	135W	160L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze
RAR2-165-4K-4	21,000	165W	320L	4000K/70CRI	120-277V	Type 4 Wide	Square Arm	Bronze

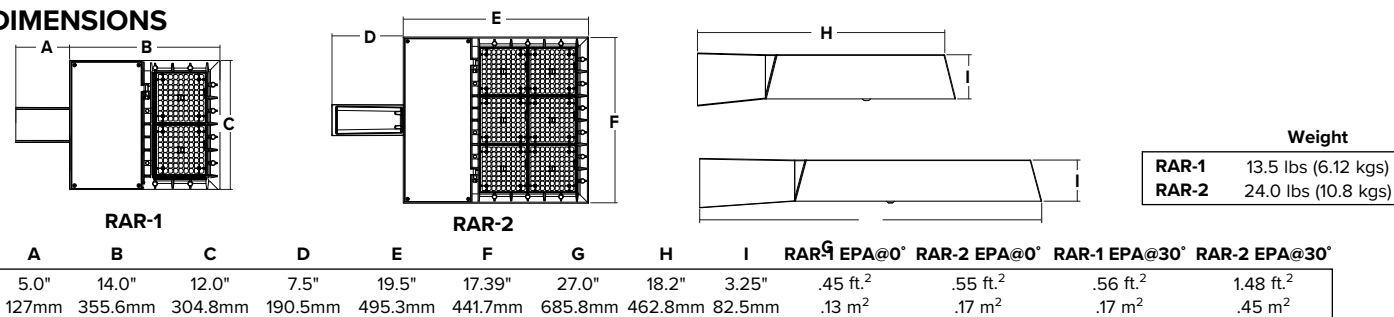
ORDERING INFORMATION

ORDERING EXAMPLE: RFL2-80L-3K7-FR-UNV-ASQ-BL-NXWE-BC

SERIES		# LEDS WATTAGE		CCT/CRI		DISTRIBUTION		OPTICS ROTATION		VOLTAGE		MOUNTING SQUARE POLES	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	TYPE 2	Blank for no rotation		UNV	Universal 120-277V	ASQ	Arm mount for square pole/ flat surface
		80L-50	50W - 6,000 Lumens	4K7	4000K, 70 CRI	3	TYPE 3	L	Optic rotation left			ASQU	Universal Arm mount for square pole/flat surface
		160L-70	70W - 9,000 Lumens			4W	TYPE 4					R	Optic rotation right
		160L-100	100W - 12,000 Lumens			4F	TYPE 4 Forward						
		160L-115	115W - 15,000 Lumens	5K7	5000K, 70 CRI	5QW	TYPE 5						
		160L-135	135W - 18,000 Lumens										
												A_1	Arm mount for round pole
												A_U1	Universal arm mount for round point
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens									MOUNTING OTHER	
		320L-140	140W - 18,000 Lumens									WB	Wall bracket
		320L-165	165W - 21,000 Lumens									MAF	Mast Arm Fitter for 2-3/8" OD horizontal arm
		480L-185	185W - 24,000 Lumens									K	Knuckle
		480L-210	210W - 27,000 Lumens										
		480L-240	240W - 30,000 Lumens										
		480L-255	255W - 36,000 Lumens										
		480L-295	295W - 42,000 Lumens										
		480L-340	340W - 48,000 Lumens										

COLOR		CONTROL OPTIONS NETWORK		OPTIONS	
BLT	Black Matte Textured	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{5,6,7}	BC	Backlight control
BLS	Black Gloss Smooth			F	Fusing (must specify voltage)
DBT	Dark Bronze Matte Textured			TB	Terminal Block
DBS	Dark Brone Gloss Smooth			2PF³	2 power feed with 2 drivers
GTT	Graphite Matte Textured				
LGS	Light Grey Gloss Smooth	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{5,6,7}		
LGT	Light Grey Matte Textured				
PSS	Platinum Silver Smooth				
WHT	White Matte Textured				
WHS	White Gloss Smooth				
VGT	Verde Green Textured	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{6,7}		
Color Option					
CC	Custom Color				
		CONTROL OPTIONS OTHER			
		SCP-40F⁴	Programmable occupancy sensor		
		7PR	7-Pin twist lock receptacle		
		7PR-SC	7-Pin receptacle with shorting cap		
		7PR-MD40F	Low voltage sensor for 7PR		
		7PR-TL	7-Pin PCR with photocontrol		
				Notes:	
				1	Replace "..." with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
				2	Replace "..." with "14" for up to 14' mounting height, "30F" for 15-30' mounting height
				3	Not available with 80 LED versions
				4	At least one SCPREMOTE required to program SCP motion sensor
				5	Items with a grey background can be done as a custom order. Contact brand representative for more information
				6	Networked Controls cannot be combined with other control options
				7	Not available with 2PF option

DIMENSIONS



STOCK

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
☐ RARRPA3DB	Round pole adapter 3.5" TO 4.13"
☐ RARA3UDB	Universal mount for square pole or round pole 3.5" to 4.13"

ACCESSORIES/REPLACEMENT PARTS - Order Separately

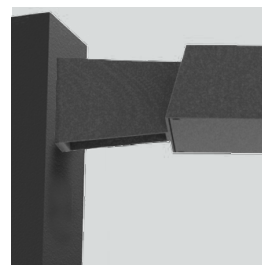
Catalog Number	Description
☐ RAR-ASQU-XX	Universal arm mount for square pole/flat surface
☐ RAR-A_U-XX	Universal arm mount for round poles
☐ RAR-RPA_-XX	Round pole adapter
☐ TPLBARA3	Twin parallel luminaire bracket
☐ SETAVP	4" square pole top tenon adapter, 2 3/8" OD slipfitter
☐ RETAVP	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90°); order 4" round pole adapters separately
☐ SPIKE	Bird Deterrent
☐ RARWB-XX	Wall Bracket - use with Mast Arm Fitter

¹ Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

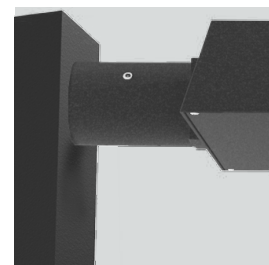
CONTROLS ACCESSORIES - Order Separately

Catalog Number	Description
☐ SCPREMOTE	Order at least one per project location to program and control
☐ WIR-RME-L	wiSCAPE™ external control node; use with 7PR
☐ NXOFM-1R1D-UNV	NX external control node; use with 7PR

MOUNTING



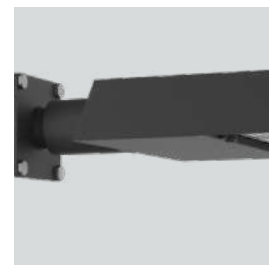
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



MAF – Fits 2-3/8" OD arms
Roadway applications.



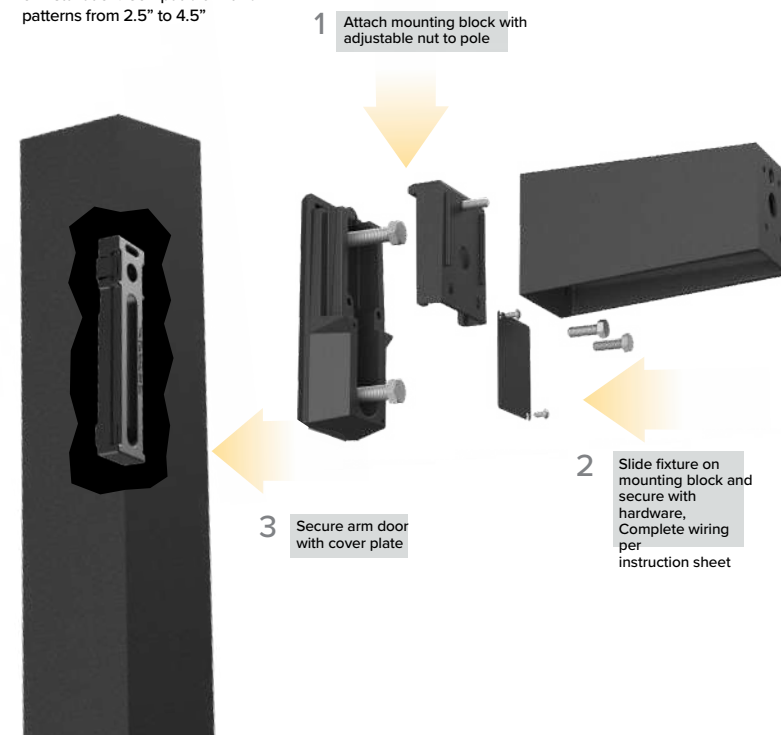
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



Wall Mount – Wall mount bracket designed for building mount applications.

UNIVERSAL MOUNTING BLOCK

Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



Finish options



RATIO

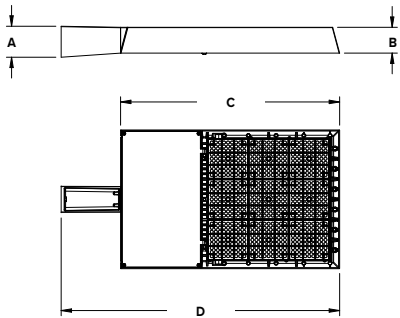
AREA/SITE Ordering information

ORDERING INFORMATION ORDERING EXAMPLE: RAR3-720L-375-3K7-4W-ASQ-UNV-BLT-SWP-F

Series	# LEDs - Wattage	CCT/CRI	Distribution	Mounting
RAR3Ratio Area Size 3	720L-375 55,000 Lumens	3K7 3000K, 70 CRI	2 IES TYPE 2	ASQ Arm mount for square pole/flat surface
	720L-415 60,000 Lumens	4K7 4000K, 70 CRI	3 IES TYPE 3	A3 Arm mount for 3" round pole
	720L-455 65,000 Lumens	5K7 5000K, 70 CRI	4W IES TYPE 4	A4 Arm mount for 4" round pole
	720L-495 70,000 Lumens	3K8 3000K, 80 CRI	4F IES TYPE 4 Forward	A5 Arm mount for 5" round pole
	720L-535 75,000 Lumens	4K8 4000K, 80 CRI	5QW IES TYPE 5	MAF Mast arm fitter for 2-3/8" OD
	720L-575 80,000 Lumens	5K8 5000K, 80 CRI		WB Wall bracket
	540L-235 35,000 Lumens		N Narrow, 2x2	K Knuckle
	540L-270 40,000 Lumens		M Medium Flood, 4x4	K Knuckle
	540L-315 45,000 Lumens		W Wide Flood, 6x6	Y Yoke
	540L-355 50,000 Lumens			T Trunnion
	540L-390 55,000 Lumens			
	540L-435 60,000 Lumens			
	540L-480 65,000 Lumens			

Optic Rotation	Voltage	Color	Control Options Network	Options
Blank for no rotation	UNV 120-277V	BLT Black Matte Textured	NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7,8}	BC Backlight control
L Optic rotation left	120 120V	BLS Black Gloss Smooth	NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7,8}	F Fusing (must specify voltage)
R Optic rotation right	208 208V	DBT Dark Bronze Matte Textured	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{7,8}	TB Terminal block
	240 240V	DBS Dark Brone Gloss Smooth	WIR Wireless Controls, wiSCAPE	
	277 277V	GTT Graphite Matte Textured	Stand Alone Sensors	
	347 347V	LGS Light Grey Gloss Smooth	SCP_F Remote control programmable line voltage sensor (Wattstopper FSP-211B, 221B; all voltages) ^{3,5}	
	480 480V	LGT Light Grey Matte Textured	WSPD_ Bluetooth WASP ^{3,5}	
		PSS Platinum Silver Smooth	Control Options	
		WHT White Matte Textured	7PR 7-Pin Receptacle ³	
		WHS White Gloss Smooth	7PR-SC 7-Pin receptacle with shorting cap ³	
		VGT Verde Green Textured	7PR-MD40F Low voltage sensor and 7-Pin Receptacle ³	
		Color Option	7PR-TL 7-Pin PCR with photocontrol	
		CC Custom Color	PC Button Photocontrol ⁴	
			ADD AutoDim timer based dimming	
			ADT AutoDim time of day dimming	

DIMENSIONS



Weight								
RAR-3 35.0 lbs (15.88 kgs)		A	B	C	D	E	RAR3 EPA@0°	RAR3 EPA@30° RAR3 EPA@60°
		3.91"	3.25"	27.62"	35.12"	17.5"	1.1 ft. ²	2.6 ft. ² 4.1 ft. ²
		127mm	355.6mm	304.8mm	190.5mm	495.3mm	.10 m ²	.24 m ² .38 m ²

- Notes:
- 1 Works with external networked photosensor
 - 2 wiSCAPE Gateway required for system programming
 - 3 Control option not available with yoke or trunnion mounting
 - 4 Not available with 480V
 - 5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
 - 6 Items with a grey background can be done as a custom order. Contact brand representative for more information
 - 7 Networked Controls cannot be combined with other control options
 - 8 Not available with 2PF option

Finish options

BL Black Textured	DB Dark Bronze Textured	GSY Gray Smooth	GT Graphite Textured	PS Platinum Silver Smooth	WH White Textured
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STOCK ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
☐ RARRPA3DB	Round pole adapter 3.5" TO 4.13"

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
☐ RAR-RPA_XX	Round pole adapter
☐ TPLBARA3	Twin parallel luminaire bracket
☐ SETAVP	4" square pole top tenon adapter; 2 3/8" OD slipfitter
☐ RETAVP	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90°); order 4" round pole adapters separately
☐ SPIKE	Bird Deterrent
☐ RARWB-XX	Wall Bracket - use with Mast Arm Fitter

* Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

House Side Shield Accessories	
☐ RAR3 HSS-90-B-XXX	House Side Shield Back 90°
☐ RAR3 HSS-90-F-XXX	House Side Shield Front 90 deg
☐ RAR3 HSS-90-S-XXX	House Side Shield Side 90 deg
☐ RAR3 HSS-270-BSS-XXX	House Side Shield Back, Side & Side 270 deg
☐ RAR3 HSS-270-FSS-XXX	House Side Shield Front, Side & Side 270 deg
☐ RAR3 HSS-270-FSB-XXX	House Side Shield Front, Side & Back 270 deg
☐ RAR3 HSS-360-XXX	House Side Shield 360 deg

Replace XXX with notation for desired finish color. Refer to page 8 for shield images.

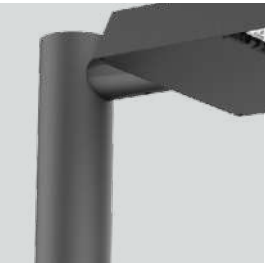
CONTROLS ACCESSORIES - Order Separately

Catalog Number	Description
☐ SCPREMOTE	Order at least one per project location to program and control
☐ WIR-RME-L	wiSCAPE™ external control node; use with 7PR
☐ NXOFM-1R1D-UNV	NX external control node; use with 7PR

MOUNTING



Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern. Available on Area configurations.



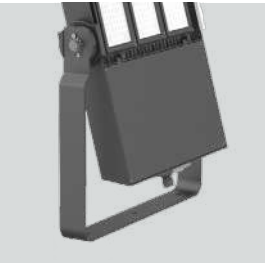
MAF – Fits 2-3/8" OD arms Roadway applications. Available on Area configurations.



Wall Mount – Wall mount bracket designed for building mount applications. Available on Area configurations.



Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes. Available on Area and Flood configurations.



Yoke – For mounting directly to flat surfaces or crossarms. Available on flood configurations.



Trunnion – For mounting directly to flat surfaces or crossarms. Available on flood configurations.

RATIO FLOOD

Ordering information

STOCK ORDERING INFORMATION									
CATALOG DESCRIPTION	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	CCT	LUMENS	LPW	WEIGHT LBS. (KG)	FINISH
RFL2-25-4K	Knuckle	Wide	26	120-277V	4000K	3267	126	3.7 (1.68)	Bronze
RFL2-25-5K	Knuckle	Wide	26	120-277V	5000K	3283	126	3.7 (1.68)	Bronze
RFL3-40-4K	Knuckle	Wide	34	120-277V	4000K	4804	141	5.5 (2.5)	Bronze
RFL3-40-5K	Knuckle	Wide	34	120-277V	5000K	4827	142	5.5 (2.5)	Bronze
RFL3-50-4K*	Knuckle	Wide	50	120-277V	4000K	6823	132	5.5 (2.5)	Bronze
RFL3-50-5K*	Knuckle	Wide	50	120-277V	5000K	6655	129	5.5 (2.5)	Bronze

ORDERING INFORMATION ORDERING EXAMPLE: RFL2-44-25-4K7-M-UNV-K-DB

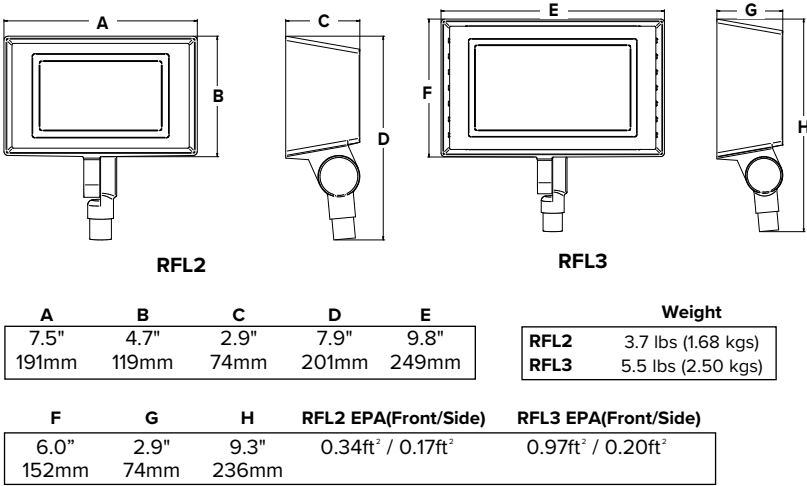
SERIES	# LEDS	WATTS	CCT/CRI	DISTRIBUTION	VOLTAGE	MOUNTING	COLOR	CONTROL OPTIONS
RFL2	Ratio Flood Size 2	44 44 LEDS	25 3,000 lm	3K7 3000K, 70 CRI	N Narrow, 2x2	UNV Universal 120-277	K Knuckle	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Brone Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Matte Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option
RFL3	Ratio Flood Size 3	90 90 LEDS	40 5,000 lm 50 7,000 lm	4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	M Medium Flood, 4x4 W Wide Flood, 6x6			PC Button Photocontrol CC Custom Color

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
☐ S-302	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Gray
☐ S-302-M51	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Bronze
☐ S-302-M52	Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; White
☐ TRN-XX'	Trunnion adapter for 1/2" threaded knuckle mount

*Specify finish color to match fixture, e.g. DB - Bronze.

DIMENSIONS



STOCK ORDERING INFORMATION									
CATALOG DESCRIPTION	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	CCT	LUMENS	LPW	WEIGHT LBS. (KG)	FINISH
RFL4-120-5K-K**	Knuckle	Wide	124W	120-277V	5000K	14432	116	16.0 (7.26)	Bronze
RFL4-120-4K-K**	Knuckle	Wide	124W	120-277V	4000K	14360	116	16.0 (7.26)	Bronze
RFL5-265-5K-K**	Knuckle	Wide	266W	120-277V	5000K	30649	115	25.7 (11.66)	Bronze
RFL5-265-4K-K**	Knuckle	Wide	266W	120-277V	4000K	30496	115	25.7 (11.66)	Bronze

**Also available with Trunnion

ORDERING INFORMATION ORDERING EXAMPLE: RFL4-176-95-4KL-M-UNV-K-GYS

SERIES	# LEDS	WATTS	CCT/CRI	DISTRIBUTION	VOLTAGE	MOUNTING	COLOR
RFL4	Ratio Flood Size 4	176 176 LEDS	95 12,000 lm 120 15,000 lm	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI	N Narrow, 2x2 M Medium Flood, 4x4	UNV Universal 120-277	K Knuckle T Trunnion
RFL5	Ratio Flood Size 5	360 360 LEDS	130 18,000 lm 190 25,000 lm 265 30,000 lm	5K7 5000K, 70 CRI	W Wide Flood, 6x6		
							BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Brone Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Matte Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option
							CC Custom Color

CONTROL OPTIONS	OPTIONS
SCP_F ² Programmable occupancy sensor	SP Surge Protector
7PR 7-Pin twist lock receptacle	F Fusing
7PR-SC 7-Pin receptacle with shorting cap	
7PR-MD_F ² Low voltage sensor for 7PR	
7PR-TL 7-Pin PCR with photocontrol	

¹ Replace "___" with "14" for up to 14' mounting height, "30F" for 15-30' mounting height

² Replace "___" with "8" for up to 8' mounting height, "40F" for 9-40' mounting height

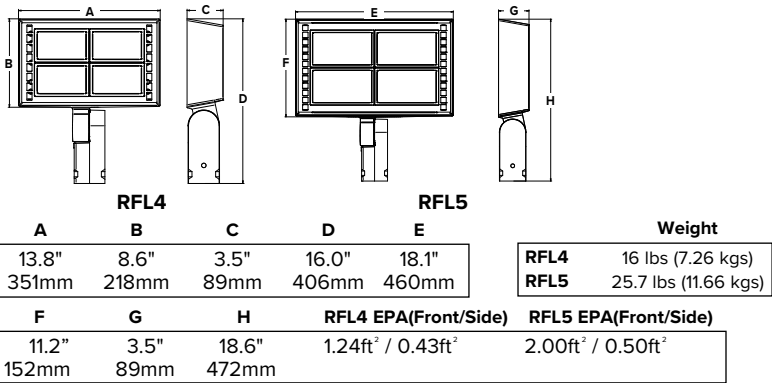
See specification sheet for complete ordering information.

ACCESSORIES/REPLACEMENT PARTS - Order Separately

Catalog Number	Description
☐ RFL4-TV	Top Visor - RFL4
☐ RFL4-FL	Louver - RFL4
☐ RFL5-TV	Top Visor - RFL5
☐ RFL5-FL	Louver - RFL5

See www.HubbellLighting.com for mounting bracket information.

DIMENSIONS



RATIO WALL

Ordering information

STOCK ORDERING EXAMPLE: RWL-48L-25-4K-3

CATALOG DESCRIPTION	LUMENS	WATTAGE	LED COUNT	CCT/CRI	VOLTAGE	DISTRIBUTION	FINISH
RWL-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type 3	Dark Bronze Textured
RWL-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type 4 Wide	Dark Bronze Textured
RWL-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type 3	Dark Bronze Textured
RWL-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type 4 Wide	Dark Bronze Textured

ORDERING INFORMATION ORDERING EXAMPLE: RWL1-48L-10-3K7-3-UNV-BLT-E

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color
RWL1 Ratio Wall 1	48L-10 1,000 Lumens ⁴	3K7 3000K, 70 CRI	2 IES TYPE 2 ¹	UNV 120-277V	BLT Black Matte Textured
	48L-15 2,000 Lumens ⁴	4K7 4000K, 70 CRI	3 IES TYPE 3	120 120V	BLS Black Gloss Smooth
	48L-20 2,500 Lumens ⁴	5K7 5000K, 70 CRI	4W IES TYPE 4 WIDE	208 208V	DBT Dark Bronze Matte Textured
	48L-25 3,500 Lumens ⁴		4F IES TYPE 4 FORWARD ¹	240 240V	DBS Dark Bronze Gloss Smooth
	48L-35 4,500 Lumens			277 277V	GTT Graphite Matte Textured
	48L-45 5,500 Lumens ⁴			347 347V	LGS Light Grey Gloss Smooth
RWL2 Ratio Wall 2	160L-45 6,500 Lumens			480 480V	LGT Light Grey Matte Textured
	160L-50 7,500 Lumens				PSS Platinum Silver Smooth
	160L-65 9,500 Lumens				WHT White Matte Textured
	160L-80 11,000 Lumens				WHS White Gloss Smooth
	160L-95 13,000 Lumens				VGT Verde Green Textured
	160L-115 15,000 Lumens				Color Option
	160L-135 17,500 Lumens				CC Custom Color
	160L-155 19,500 Lumens				

Control Options Network	
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{4,5,6}
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{4,5,6}
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{4,5,6}
WIR	Wireless Controls, wiSCAPE™ ^{2,6}
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor ^{3,8}
SCP-20F	Remote control programmable line voltage sensor ^{3,8}
Control Options	
7PR_	7-Pin Receptacle ⁶

Options	
F	Fusing (must specify voltage)
E	Emergency Battery Backup ⁷
EH	Emergency Battery w/ Heater Option ⁷
2DR	Dual Driver ^{4,6}
2PF	Dual Power Feed ^{4,6}
PC	Photocontrol

- Notes:
- 1 Only available with RWL2
 - 2 wiSCAPE Gateway required for system programming
 - 3 Specific voltage selection is required
 - 4 Items with a grey background can be done as a custom order. Contact brand representative for more information
 - 5 Networked Controls cannot be combined with other control options
 - 6 Not available with 2PF option
 - 7 This item is located in the integral backbox for RWL1 configurations only.
 - 8 Not available with 480V

Finish options

					
BLT Black Matte Textured	BLS Black Gloss Smooth	DBT Dark Bronze Matte Textured	DBS Dark Bronze Gloss Smooth	LGS Light Gray Gloss Smooth	LGT Light Gray Matte Textured
					
GTT Graphite Matte Textured	PSS Platinum Silver Smooth	WHT White Matte Textured	WHS White Gloss Textured	VGT Verde Green Textured	

ACCESSORIES - Order Separately

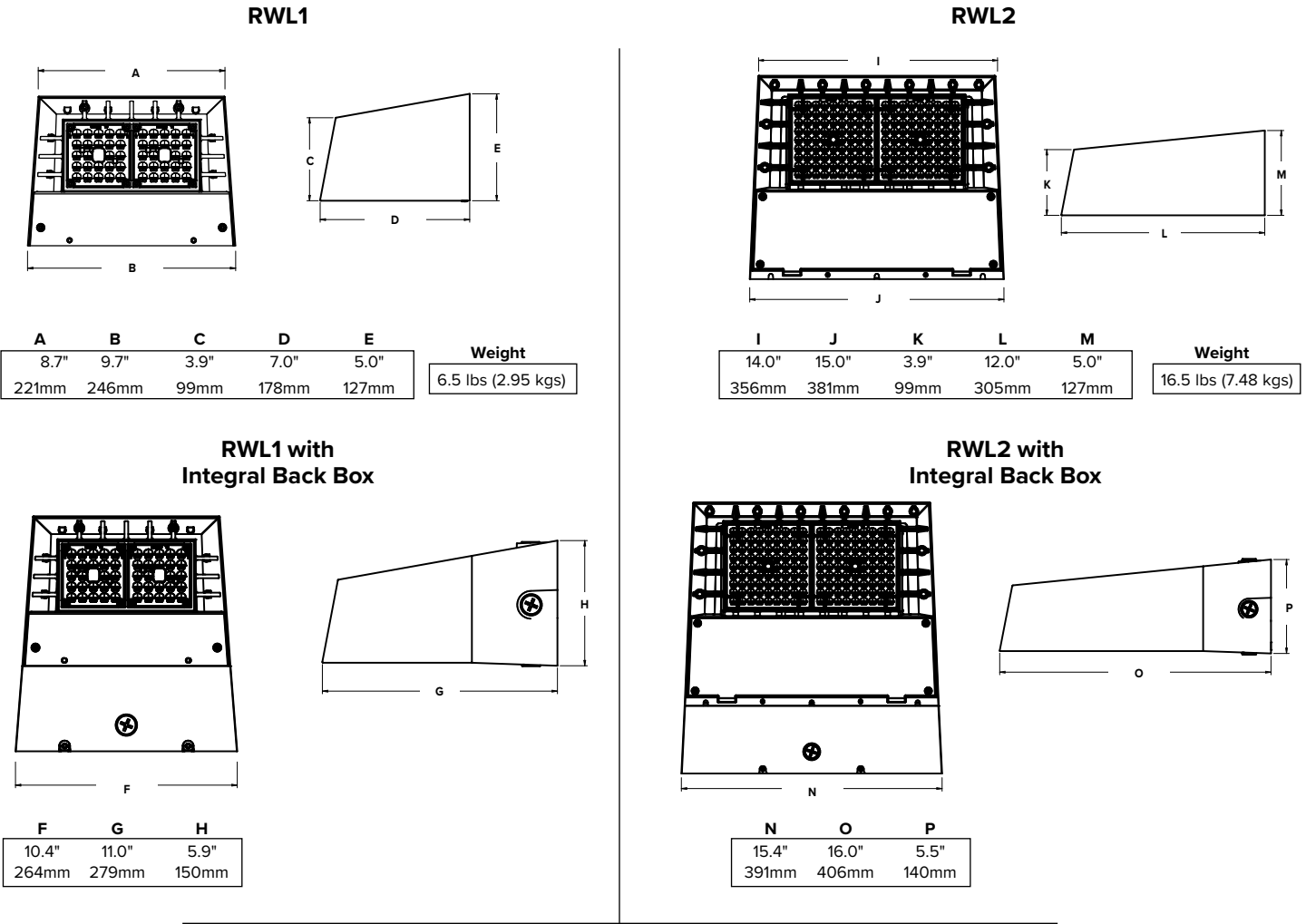
Catalog Number	Description
☐ WP-BB-XXX	Accessory for conduit entry ¹

Notes:
1 Replace "XXX" with color option

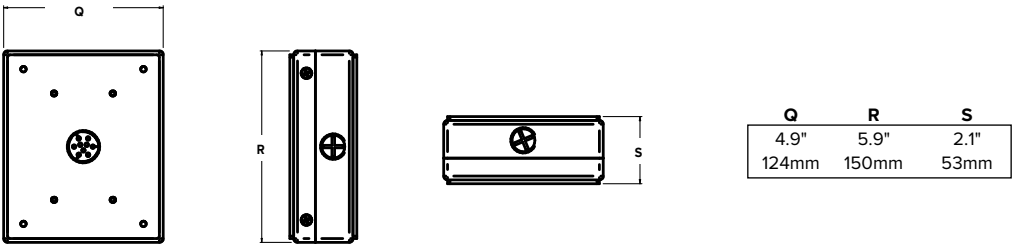
CONTROLS ACCESSORIES - Order Separately

Catalog Number	Description
☐ SCPREMOTE	Order at least one per project location to program and control

DIMENSIONS



Back Box Accessory



RATIO

Bollard Ordering information

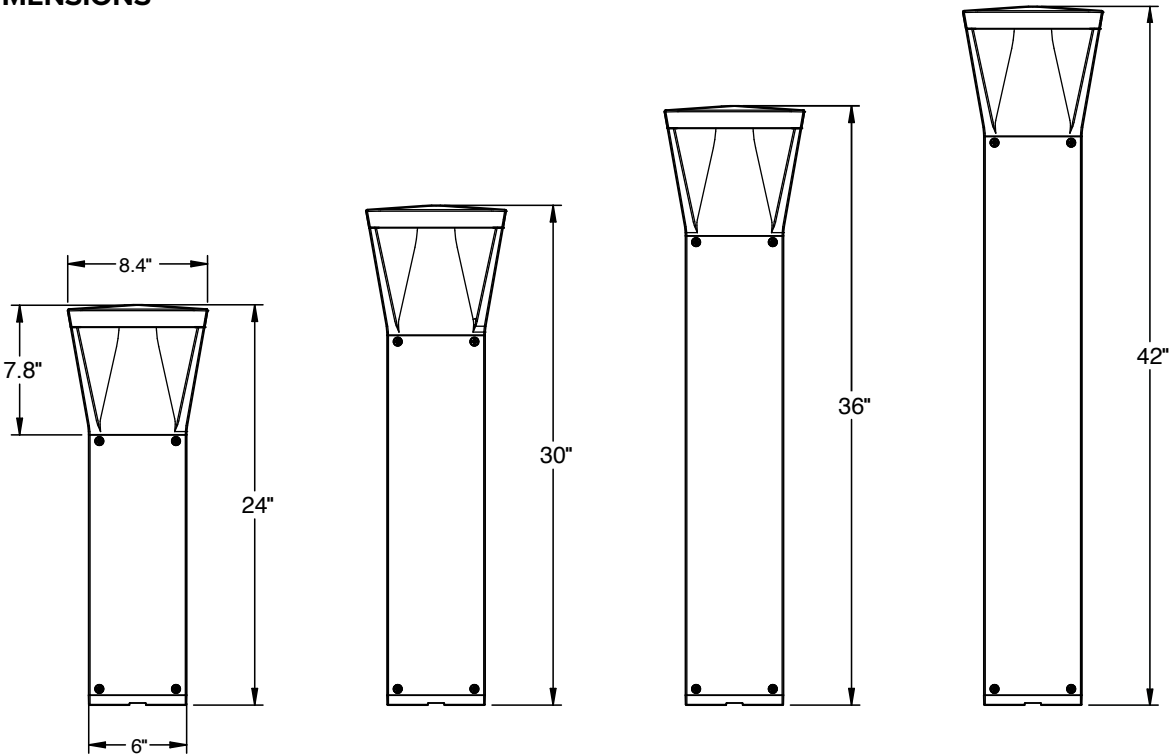
ORDERING INFORMATION ORDERING EXAMPLE: RBD-56L-30-UNV-360-3K7-DBT

Model	# LEDs Wattage	Voltage	Distribution	CCT/CRI	Heights
RBD Ratio Bollard	14L-7 750 lumens	UNV Universal 120–277	90 90 Degree Beam	3K7 3000K, 70 CRI	24 24" High
	28L-15 1500 lumens		180A 180 Degree Adjacent Beam	4K7 4000K, 70 CRI	30 30" High
			180 180 Degree Opposing Beam	5K7 5000K, 70 CRI	36 36" High
			270 270 Degree Beam		42 42" High
	42L-23 2250 lumens	208 208V	360 360 Degree Beam		
	56L-30 3000 lumens	240 240V			
		277 277V			
		347 347V			
		480 480V			

1 PC option only compatible with 120-277V
Items with a grey background can be done as a custom order. Contact brand representative for more information

Color	Options
BLT Black Matte Textured	F Fusing (specify voltage)
DBT Dark Bronze Matte Textured	PC¹ Photocontrol
GTT Graphite Matte Textured	CGF Costal Grade Finish
LGS Light Grey Gloss Smooth	
PSS Platinum Silver Smooth	
WHT White Matte Textured	
VGT Verde Green Textured	
LEG Legacy Colors	
Color Option	
CC Custom Color	

DIMENSIONS





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Ratio_Family brochure_R02
