RATIO

OUTDOOR LUMINAIRE FAMILY

HUBBELL®
**Outdoor Lighting**

HUBBELL®
Lighting

RATIO AREA/SITE

Hubbell Outdoor Lighting'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.
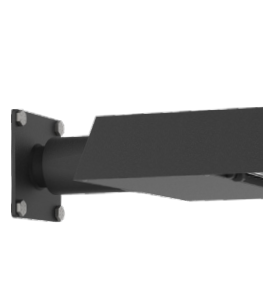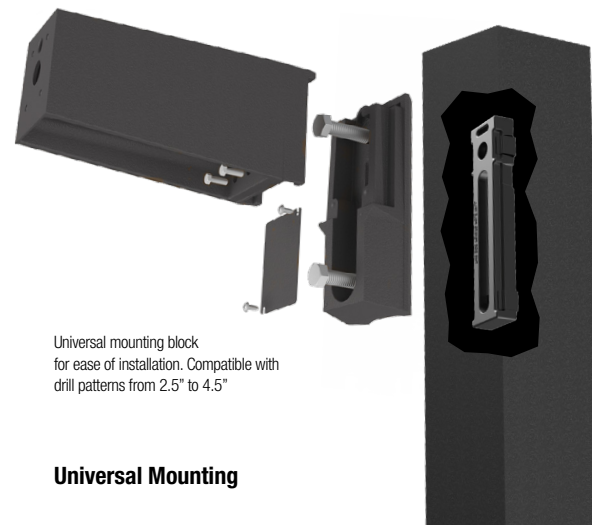
VERSATILE MOUNTING

Knuckle
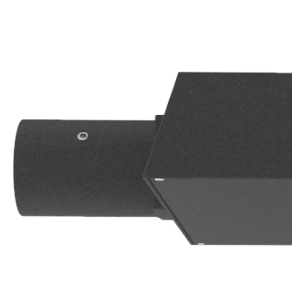
Mast Arm

Wall Mount

Universal Mounting

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

| Size	RAR1-80L	RAR1-160L	RAR2-320L	RAR2-480L
Lumens	3,000–6,000	9,000–18,000	15,000–21,000	24,000–48,000
Watts	25/50W	70–135W	110–165W	185–340W
LPW	120	129	136	136
Mounting	Arm & Knuckle	Arm & Knuckle	Arm & Knuckle	Arm & Knuckle
CCT	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K
Distributions	II, III, IV, V	II, III, IV, V	II, III, IV, V	II, III, IV, V
IP Rating	IP66	IP66	IP66	IP66
Legacy Equivalence	100–175W	175–400W	250–400W	400–750W

RATIO AREA/SITE

RAR3

The Size 3 Ratio Area fixture combines the sleek aesthetic of the existing Ratio products with an expanded offering of lumen outputs, optics and mounting options. This fixture is not only a great solution for new construction applications, but also retrofit as a single product can replace up to two 1000W metal halide luminaires.

Arm Mount

Mast Arm
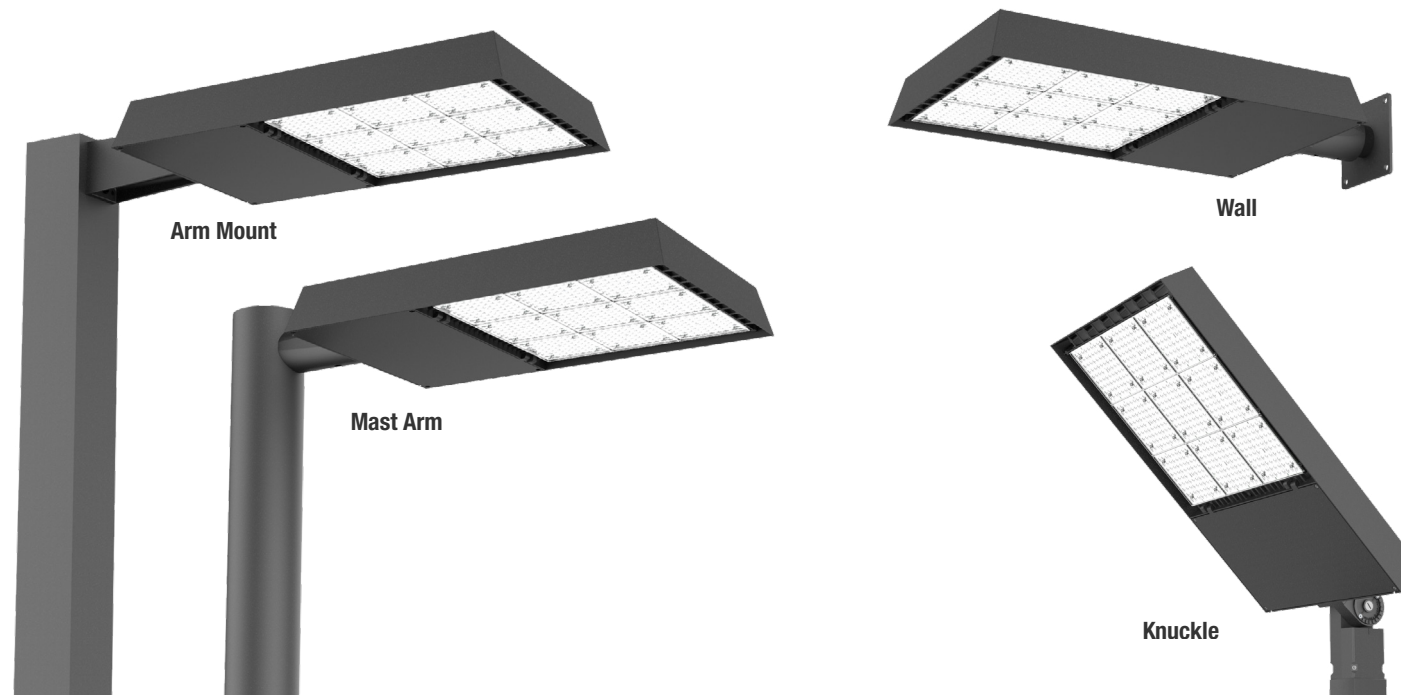
Wall

Knuckle

AREA/SITE
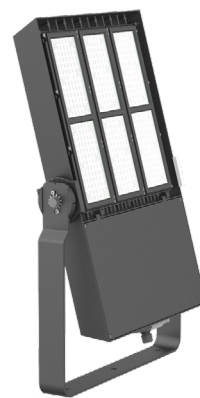
Knuckle

Yoke

Trunnion

FLOOD

Size	RAR3-540L	RAR3-720L
Lumens	35,000–65,000	55,000–80,000
Watts	235-480W	375-575W
LPW	144	150
Mounting	Knuckle, Trunnion, Yoke	Arm, Mast Arm, Knuckle, Wall
CCT	3K, 4K, 5K	3K, 4K, 5K
Distributions	N, M, W	II, III, IV, V
IP Rating	IP66	IP66
Legacy Equivalence	1,000W, 1,500W	1,000W, 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.

Parking Area										
Luminaire	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

Type II

Type III

Type IV

Type V

Typical Area/Site Luminaire
Type IV Distribution

260ft

124ft

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

Ratio
Type IV Distribution

260ft

124ft

BACKLIGHT CUTOFF

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

Poor backlight control

Typical Area/Site Luminaire:
20-30% Backlight

Ratio:
12% Backlight

RATIO FLOOD

Hubbell Outdoor 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.
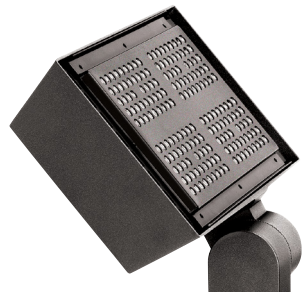
VERSATILE FAMILY

From the compact RFL2 to the large RFL5, the Ratio family of floods provides lighting solutions for every flood lighting application large or small.
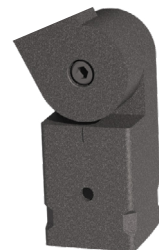
Visor
RFL4 – RFL5

Louver
RFL4 – RFL5

Trunnion Mount
RFL4 – RFL5

Knuckle Mount
RFL4 – RFL5

**Knuckle Mount**
RFL2 – RFL3

Trunnion Mount
RFL2 – RFL3

| Size	RFL2	RFL3	RFL4	RFL5
Lumens	3,500	5,000/7,000	12,000/15,000	18,000/25,000/30,000
Watts	25W	40/50W	95/120W	130/190/265W
LPW	130	125/140	125/130	125/130/115
Mounting	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion
CCT	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
IP Rating	IP66	IP66	IP66	IP66
Legacy Equivalence	100-150W	175-250W	250-400W	750W-1000W

RATIO FLOOD – PERFORMANCE
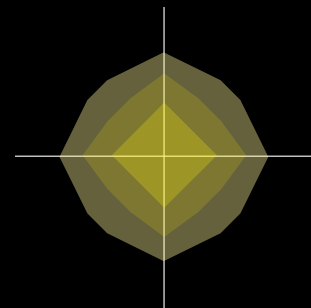
IES DISTRIBUTIONS

The Ratio flood series is available in three NEMA distribution patterns utilizing Micro Strike Optics for optimal performance.
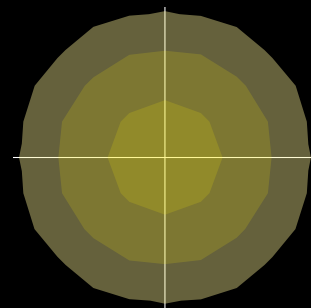
NEMA 6X6
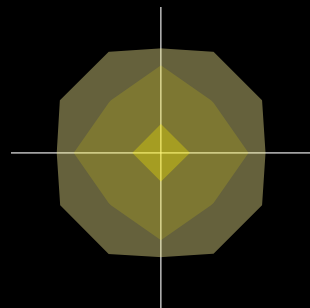
NEMA 4X4

NEMA 2X2
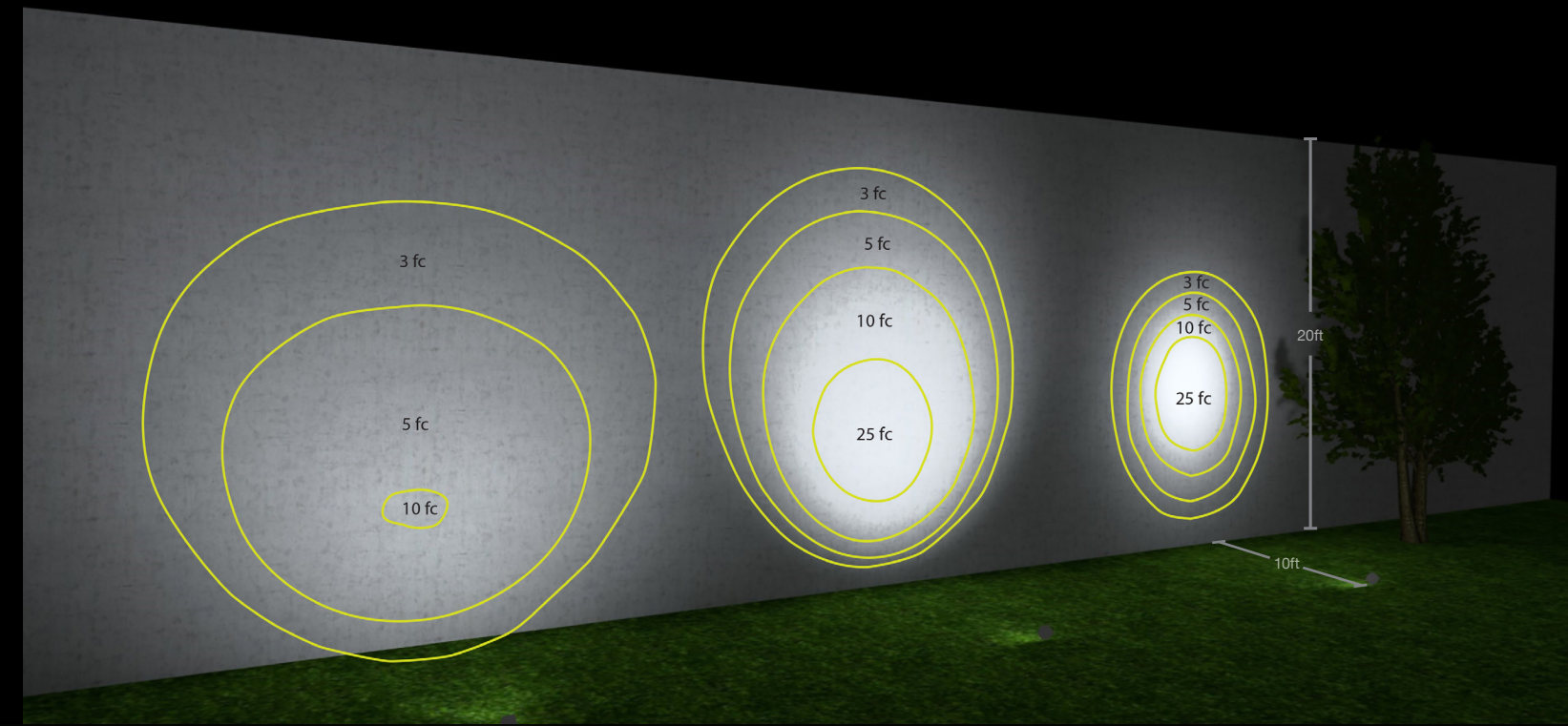
SUPERIOR DESIGN

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.
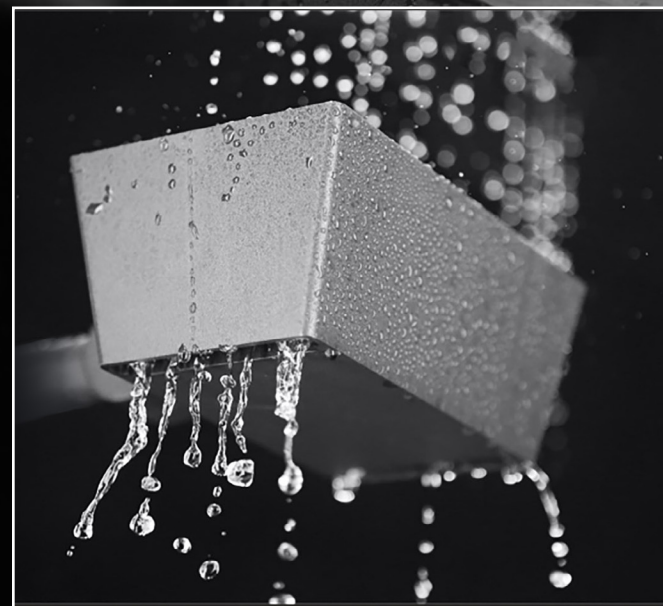
OPTICAL EXCELLENCE

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.
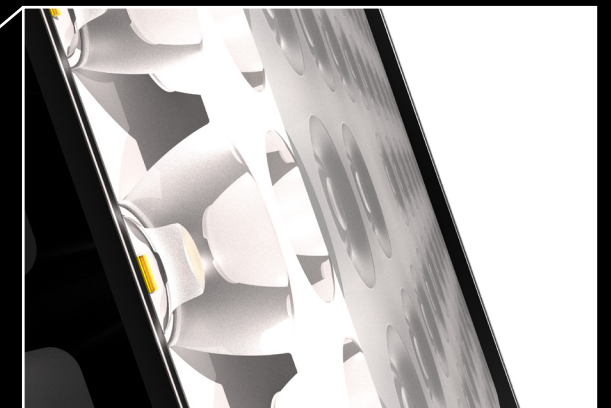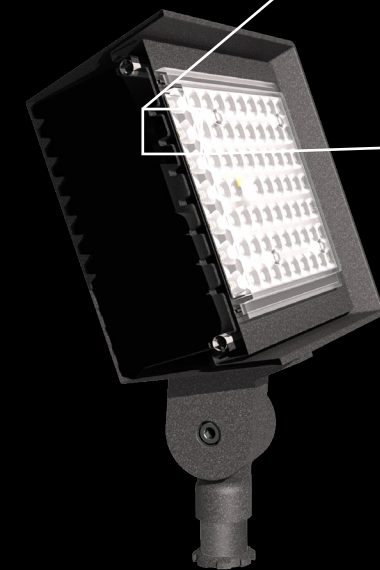
RATIO COMPREHENSIVE SOLUTIONS

Hubbell Outdoor 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

CANOPY

RATIO

GEOPAK™

LUMA SQUARE

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

Lumasquare™
A specially designed acrylic lens provides blended, non-pixilated illumination for unprecedented visual comfort.
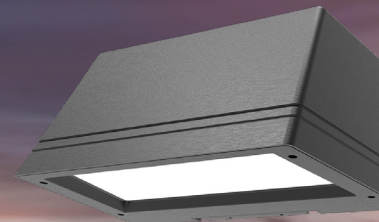
GeoPak™
Designed for optimal visual comfort and maximum performance, the low glare versions provide excellent illumination and uniformity with zero LED pixelation.

RATIO INTEGRATED CONTROLS

Controls in area/site applications save energy, extend luminaire life and allow customizable solutions. Sensors control light output based on area utilization and are used for energy savings and local code compliance.

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

Hubbell Controls Solutions' 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

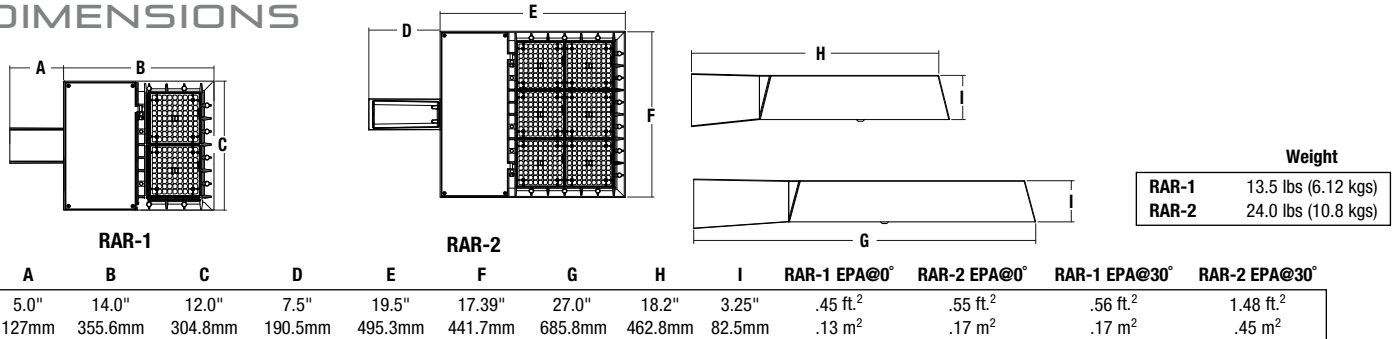| CATALOG DESCRIPTION	LUMENS	WATTAGE	LED COUNT	CCT/CRI	VOLTAGE	DISTRIBUTION	MOUNTING	FINISH
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type IV Wide	Square Arm	Bronze
RAR1-100-4K-4	12,000	100W	160L	4000K/70CRI	120-277V	Type IV Wide	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI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

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

Ordering logic

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 II	Blank for no rotation	UNV	Universal 120-277V	ASQ	Arm mount for square pole/flat surface
	80L-50	50W - 6,000 Lumens			3 TYPE III		347	347V		
	160L-70	70W - 9,000 Lumens	4K7	4000K, 70 CRI	4W TYPE IV	L Optic rotation left	480	480V	ASQU	Universal Arm mount for square pole/flat surface
	160L-100	100W - 12,000 Lumens			5QW TYPE V					
	160L-115	115W - 15,000 Lumens	5K7	5000K, 70 CRI		R Optic rotation right			**MOUNTING ROUND POLES**	
	160L-135	135W - 18,000 Lumens							A_[1]	Arm mount for round pole
RAR2 Ratio Area Size 2	320L-110	110W - 15,000 Lumens							A_U[1]	Universal arm mount for round point
	320L-140	140W - 18,000 Lumens							**MOUNTING OTHER**	
	320L-165	165W - 21,000 Lumens							WB	Wall bracket
	480L-185	185W - 24,000 Lumens							MAF	Mast Arm Fitter for 2-3/8" OD horizontal arm
	480L-210	210W - 27,000 Lumens								
	480L-240	240W - 30,000 Lumens							K	Knuckle
	480L-255	255W - 36,000 Lumens								
	480L-295	295W - 42,000 Lumens								
	480L-340	340W - 48,000 Lumens								

Ordering logic (CONT'D)

COLOR		CONTROL OPTIONS NETWORK		OPTIONS	
BL	Black	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
DB	Dark Bronze	NXSPW_F [2]	NX Wireless, PIR Occ. Sensor, Daylight Harvesting	CD	Continuous dimming
GT	Graphite	NXSP_F [2]	NX, PIR Occ. Sensor, Daylight Harvesting	F	Fusing (must specify voltage)
GYS	Gray Smooth	**CONTROL OPTIONS OTHER**		TB	Terminal Block
PS	Platinum Silver	SCP-40F [4]	Programmable occupancy sensor	2PF [3]	2 power feed with 2 drivers
WH	White	7PR	7-Pin twist lock receptacle		
CC	Custom Color	7PR-SC	7-Pin receptacle with shorting cap		
		7PR-MD40F	Low voltage sensor for 7PR		
		7PR-TL	7-Pin PCR with photocontrol		

[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

DIMENSIONS

RAR-1
RAR-2

	Weight
RAR-1	13.5 lbs (6.12 kgs)
RAR-2	24.0 lbs (10.8 kgs)

A	B	C	D	E	F	G	H	I	RAR-1 EPA@0°	RAR-2 EPA@0°	RAR-1 EPA@30°	RAR-2 EPA@30°
5.0"	14.0"	12.0"	7.5"	19.5"	17.39"	27.0"	18.2"	3.25"	.45 ft.²	.55 ft.²	.56 ft.²	1.48 ft.²
127mm	355.6mm	304.8mm	190.5mm	495.3mm	441.7mm	685.8mm	462.8mm	82.5mm	.13 m²	.17 m²	.17 m²	.45 m²

STOCK — ACCESSORIES/REPLACEMENT PARTS - Order Separately

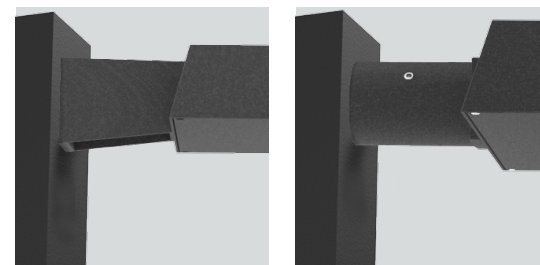| Catalog Number	Description
☐ RARRPA3DB	Round pole adapter 3.5" TO 4.13"
☐ RARA3UDB	Universal mount for square pole or round pole 3.5" to 4.13"

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
☐ TETAVP	Three-sided pole top tenon adapter, 2 3/8" OD slipfitter
☐ 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
☐ SW7PR	SiteSync™ on fixture module via 7PR
☐ SWUSB	SiteSync™ Software on USB
☐ SWTAB	SiteSync™ Windows Tablet
☐ SWBRG	SiteSync™ Wireless Bridge Node
☐ SWFC	SiteSync™ Field Commission Service
☐ 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.
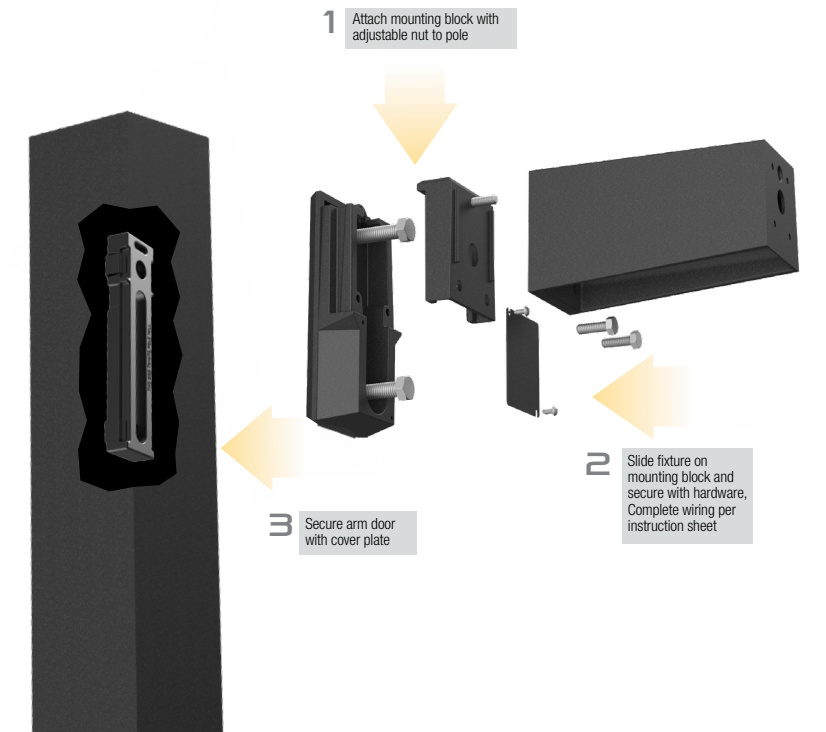
MAF – Fits 2-3/8" OD arms Roadway applications.
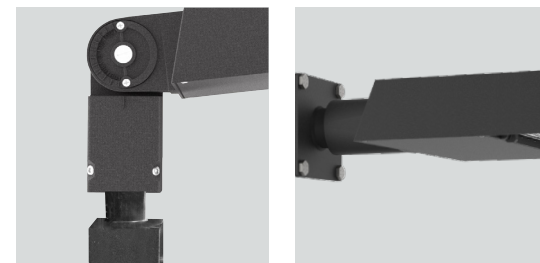
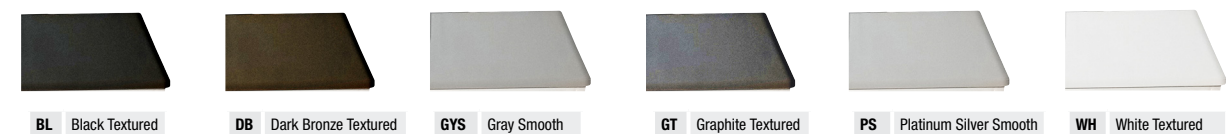**Knuckle** – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.

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"

1 Attach mounting block with adjustable nut to pole

2 Slide fixture on mounting block and secure with hardware, Complete wiring per instruction sheet

3 Secure arm door with cover plate

FINISH OPTIONS

BL Black Textured	DB Dark Bronze Textured	GYS Gray Smooth	GT Graphite Textured	PS Platinum Silver Smooth	WH White Textured

ORDERING INFORMATION

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

Series		# LEDs - Wattage		CCT/CRI		Distribution		Mounting	
RAR3	Ratio Area Size 3	720L-375	55,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	ASQ	Arm mount for square pole/flat surface
		720L-415	60,000 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	A3	Arm mount for 3" round pole
		720L-455	65,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	A4	Arm mount for 4" round pole
		720L-495	70,000 Lumens	3K8	3000K, 80 CRI	5QW	IES TYPE V	A5	Arm mount for 5" round pole
		720L-535	75,000 Lumens	4K8	4000K, 80 CRI	N	Narrow, 2x2	MAF	Mast arm fitter for 2-3/8" OD
		720L-575	80,000 Lumens	5K8	5000K, 80 CRI	M	Medium Flood, 4x4	WB	Wall bracket
		540L-235	35,000 Lumens			W	Wide Flood, 6x6	K	Knuckle
		540L-270	40,000 Lumens					K	Knuckle
		540L-315	45,000 Lumens					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	SWP	SiteSync pre-commissioned[3]	BC	Backlight control
L	Optic rotation left	120	120V	BLS	Black Gloss Smooth	SWPM_	SiteSync pre-commissioned w/ motion detection[3,6]	F	Fusing (must specify voltage)
R	Optic rotation right	208	208V	DBT	Dark Bronze Matte Textured	NXWE	NX Wireless Enabled (module + radio)	TB	Terminal block
		240	240V	DBS	Dark Brone Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[2,3,5]		
		277	277V	GTT	Graphite Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[2,3,5]		
		347	347V	LGS	Light Grey Gloss Smooth	WIR	Wireless Controls, wiSCAPE		
		480	480V	LGT	Light Grey Matte Textured	**Stand Alone Sensors**			
				PSS	Platinum Silver Smooth	SCP-_F	Remote control programable line voltage sensor (Wattstopper FSP-211B, 221B; all voltages)[3,6]		
				WHT	White Matte Textured				
				WHS	White Gloss Smooth	WSPD_	Bluetooth WASP[3,6]		
				VGT	Verde Green Textured	**Control Options**			
				Color Option		7PR	7-Pin Receptacle[3]		
				CC	Custom Color	7PR-SC	7-Pin receptacle with shorting cap[3]		
						7PR-MD40F	Low voltage sensor and 7-Pin Receptacle[3]		
						7PR-TL	7-Pin PCR with photocontrol		
						PC	Button Photocontrol[4]		
						ADD	AutoDim timer based dimming		
						ADT	AutoDim time of day dimming		

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
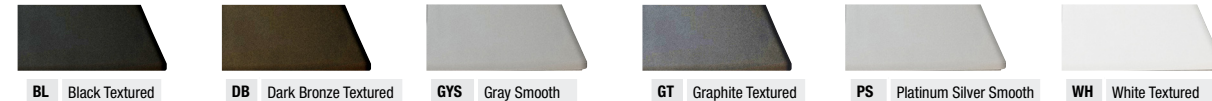5. Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height

DIMENSIONS

A B

C

E

D
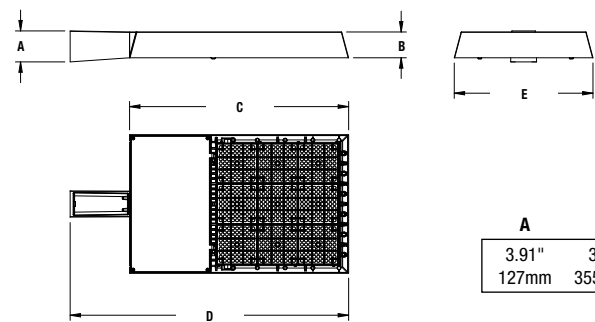
Weight	
RAR-3	35.0 lbs (15.88 kgs)

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 m²	.24 m²	.38 m²

FINISH OPTIONS

BL Black Textured	**DB** Dark Bronze Textured	**GYS** 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

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

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
☐ SW7PR	SiteSync™ on fixture module via 7PR
☐ SWUSB	SiteSync™ Software on USB
☐ SWTAB	SiteSync™ Windows Tablet
☐ SWBRG	SiteSync™ Wireless Bridge Node
☐ SWFC	SiteSync™ Field Commission Service
☐ 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.
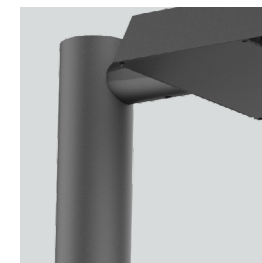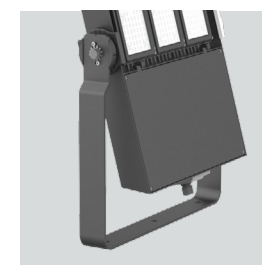
MAF – Fits 2-3/8" OD arms Roadway applications. Available on Area configurations.
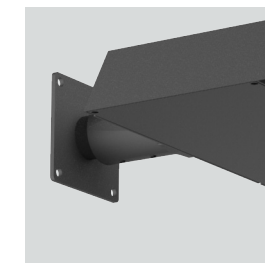
Wall Mount – Wall mount bracket designed for building mount applications. Available on Area configurations.

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

*Also available with photocontrol

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

Ordering logic

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 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	N Narrow, 2x2 M Medium Flood, 4x4 W Wide Flood, 6x6	UNV Universal 120-277	K Knuckle	BL Black DB Dark Bronze GT Graphite GYS Gray Smooth		CD Continuous Dimmable PC Button Photocontrol
RFL3 Ratio Flood Size 3	90 90 LEDs	40 5,000 lm 50 7,000 lm					PS Platinum Silver WH White		

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[1]	Trunnion adapter for 1/2" threaded knuckle mount

[1] Specify finish color to match fixture, e.g. DB - Bronze.

DIMENSIONS

RFL2 **RFL3**
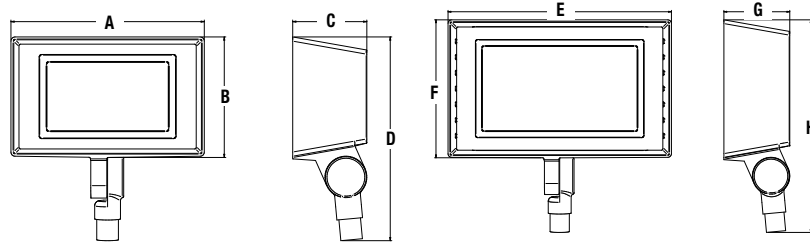
A	B	C	D	E		Weight
7.5"	4.7"	2.9"	7.9"	9.8"	RFL2	3.7 lbs (1.68 kgs)
191mm	119mm	74mm	201mm	249mm	RFL3	5.5 lbs (2.50 kgs)

F	G	H	RFL2 EPA(Front/Side)	RFL3 EPA(Front/Side)
6.0"	2.9"	9.3"	0.34ft² / 0.17ft²	0.97ft² / 0.20ft²
152mm	74mm	236mm		

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
TRN-RFL — Trunnion Kit									

**Also available with Trunnion

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

Ordering logic

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 5K7 5000K, 70 CRI	N Narrow, 2x2 M Medium Flood, 4x4 W Wide Flood, 6x6	UNV Universal 120-277 120 120V 208 208V 240 240V	K Knuckle T Trunnion	BL Black DB Dark Bronze GT Graphite GYS Gray Smooth
RFL5 Ratio Flood Size 5	360 360 LEDs	130 18,000 lm 190 25,000 lm 265 30,000 lm			277 277V 347 347V 480 480V		PS Platinum Silver WH White

Ordering logic (CONT'D)

CONTROL OPTIONS		OPTIONS	
NXWE	NX Wireless Enabled (module + radio)	SP	Surge Protector
NXSPW_F[1]	NX Wireless, PIR Occ. Sensor, Daylight Harvesting	F	Fusing
NXSP_F[2]	NX, PIR Occ. Sensor, Daylight Harvesting	PCL	Polycarbonate Lens

CONTROL OPTIONS OTHER	
SCP-_F[2]	Programmable occupancy sensor
7PR	7-Pin twist lock receptacle
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

RFL4 **RFL5**
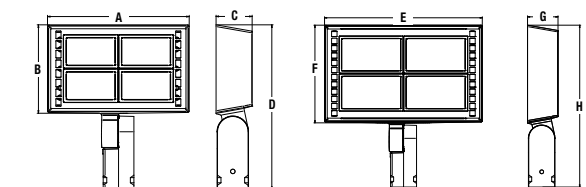
A	B	C	D	E		Weight
13.8"	8.6"	3.5"	16.0"	18.1"	RFL4	16 lbs (7.26 kgs)
351mm	218mm	89mm	406mm	460mm	RFL5	25.7 lbs (11.66 kgs)

F	G	H	RFL4 EPA(Front/Side)	RFL5 EPA(Front/Side)
11.2"	3.5"	18.6"	1.24ft² / 0.43ft²	2.00ft² / 0.50ft²
152mm	89mm	472mm		

HUBBELL Lighting

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

HUBBELL CONTROL SOLUTIONS

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

KURT VERSEN

LITECONTROL

PRESCOLITE

HUBBELL Outdoor Lighting