

RATIO Series

AREA/SITE LIGHTER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available



CONTROL TECHNOLOGY



SERVICE PROGRAMS

STOCK QS10

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor



	Weight	EPA at 0°
RAR1	13.5 lbs / 6.1 kg	.45ft. ² / .13m ²
RAR2	24 lbs / 10.9 kg	.55ft. ² / .17m ²

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to www.designlights.org for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://www.currentlighting.com/resources/america-solutions>)

WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information



RATIO Series

AREA/SITE LIGHTER MICRO STRIKE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

Gray Shading = Service Program Limit of 15 luminaires

QS10

MICRO STRIKE OPTICS - ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXW-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage	CCT/CRI	Distribution	Optics Rotation	Voltage	
RAR1	Ratio Area Size 1 - Micro Strike	80L-25	25W - 3,000 Lumens	2	IES TYPE II	Blank for no rotation	
		80L-39	39W - 5,200 Lumens	3	IES TYPE III	L	Optic rotation left
		80L-50	50W - 6,000 Lumens	4W	IES TYPE IV	R	Optic rotation right
		160L-70	70W - 9,000 Lumens	4F	IES TYPE IV Forward		
		160L-100	100W - 12,000 Lumens	5QW	IES TYPE V		
		160L-115	115W - 15,000 Lumens				
		160L-135	135W - 18,000 Lumens				
RAR2	Ratio Area Size 2 - Micro Strike	320L-110	110W - 15,000 Lumens				
		320L-140	140W - 18,000 Lumens				
		320L-165	165W - 21,000 Lumens				
		480L-185	185W - 24,000 Lumens				
		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				

Mounting	
ASQ	Arm mount for square pole/flat surface
ASQU	Universal arm mount for square pole/flat surface- Does not include round pole adapt or B3 drill pattern
Mounting Round Poles	
A_	Arm mount for round pole ¹ B3 drill pattern
A_U	Universal arm mount for round pole ¹
Mounting Other	
WB	Wall bracket
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle

Color	
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
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured
Color Option	
CC	Custom Color

Control Options Network	
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7}
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7}
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{6,7}
Control Options Other	
SCP_F	Programmable occupancy sensor ^{3,4}
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
ADD	AutoDim Timer Based Dimming
ADT	AutoDim Time of Day Dimming
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸
BTS-40F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸

Options	
BC	Backlight control
F	Fusing ⁵
TB	Terminal block
2PF	2 power feed with 2 drivers ²

- Notes:
- 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
 - Not available with 25, 50, 255, 295 & 340W configurations
 - At least one SCPREMOTE required to program SCP motion sensor
 - Replace "_" with 8F or 40F lens
 - Must specify voltage
 - Networked Controls cannot be combined with other control options
 - Not available with 2PF option
 - BTS and BTSO available for 50 Watts or higher and only on 120-277 voltage



RATIO Series

AREA/SITE LIGHTER STRIKE

DATE: LOCATION:

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STRIKE OPTIC - ORDERING GUIDE

Example: RAR1-36L-39-3K7-2-UNV-ASQ-BLT-NXW-BC

CATALOG #

ORDERING INFORMATION

Series	# LEDs - Wattage	CCT/CRI	Distribution	Optics Rotation	Voltage
RAR1 Ratio Area Size 1 - Strike Optics	36L-39 39W - 5,000 Lumens	3K7 3000K, 70 CRI	FR Auto Front Row	Blank for no rotation	UNV Universal 120-277V
	36L-55 55W - 7,000 Lumens	4K7 4000K, 70 CRI	2 Type 2	L Optic rotation left	120 120V
	36L-85 85W - 10,000 Lumens	5K7 5000K, 70 CRI	3 Type 3	R Optic rotation right	208 208V
	36L-105 105W - 12,000 Lumens	3K8 3000K, 80 CRI	4F Type 4 Forward		240 240V
	36L-120 120W - 13,000 Lumens	4K8 4000K, 80 CRI	4W Type 4 Wide		277 277V
	72L-115 115W - 14,000 Lumens	5K8 5000K, 80 CRI	5QN Type 5 Square Narrow		347 347V
	72L-145 145W - 17,000 Lumens		5QW Type 5 Square Wide		480 480V
RAR2 Ratio Area Size 2 - Strike Optics	72L-180 180W - 20,000 Lumens		5QM Type 5 Square Medium		
	72L-210 210W - 24,000 Lumens		5W Type 5 Wide (Round)		
	72L-240 240W - 26,000 Lumens		5RW Type 5 Rectangular		
	108L-215 215W - 27,000 Lumens		C Corner Optic		
	108L-250 250W - 30,000 Lumens		TC Tennis Court Optic		
	108L-280 280W - 33,000 Lumens				
	108L-325 325W - 37,000 Lumens				
	108L-365 365W - 40,000 Lumens				
Mounting	Color	Control Options Network		Options	
ASQ Arm mount for square pole/flat surface	BLT Black Matte Textured	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7}	BC Backlight control	
ASQU Universal arm mount for square pole/flat surface- Does not include round pole adapt or B3 drill pattern	BLS Black Gloss Smooth	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{6,7}	F Fusing ⁵	
Mounting Round Poles	DBT Dark Bronze Matte Textured	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{6,7}	TB Terminal block	
A_ Arm mount for round pole ¹ B3 drill pattern	DBS Dark Brone Gloss Smooth	Control Options Other		2PF 2 power feed with 2 drivers ²	
A_U Universal arm mount for round pole ¹	GTT Graphite Matte Textured	SCP_F	Programmable occupancy sensor ^{3,4}		
Mounting Other	LGS Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB Wall bracket	PSS Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF Mast arm fitter for 2-3/8" OD horizontal arm	WHT White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K Knuckle	WHS White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
	VGT Verde Green Textured	ADD	AutoDim Timer Based Dimming		
	Color Option	ADT	AutoDim Time of Day Dimming		
	CC Custom Color	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸		
		BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸		
		BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ⁸		

- 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 Not available with 25, 50, 255, 295 & 340W configurations
- 3 At least one SCPREMOTE required to program SCP motion sensor
- 4 Replace "_" with 8F or 40F lens
- 5 Must specify voltage
- 6 Networked Controls cannot be combined with other control options
- 7 Not available with 2PF option
- 8 BTS and BTSO available for 50 Watts or higher and only on 120-277 voltage

RATIO Series

AREA/SITE LIGHTER

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY



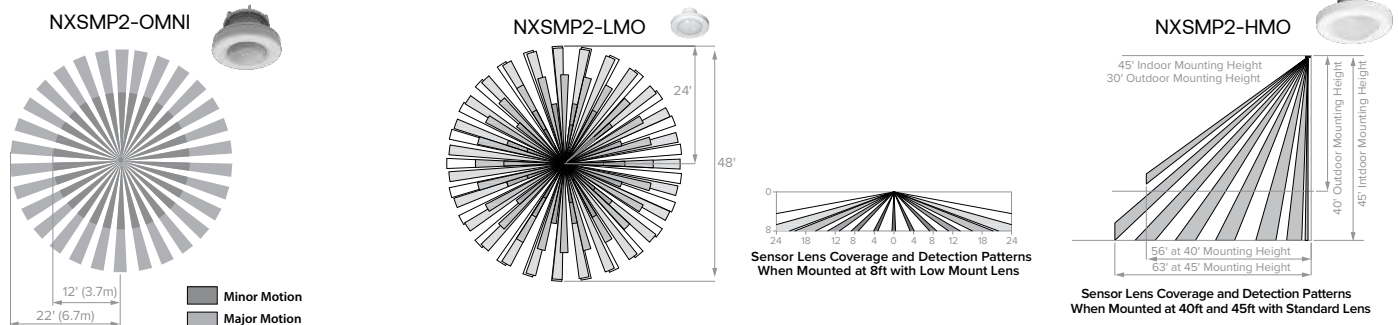
Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components		
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height			
NX Wireless	NXOFM1RID-UNV	NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM1RID-UV
	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
	BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	"Passcode Factory Passcode: HubbN3T!"	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US



Apple App



Google Play

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AREA/SITE LIGHTER

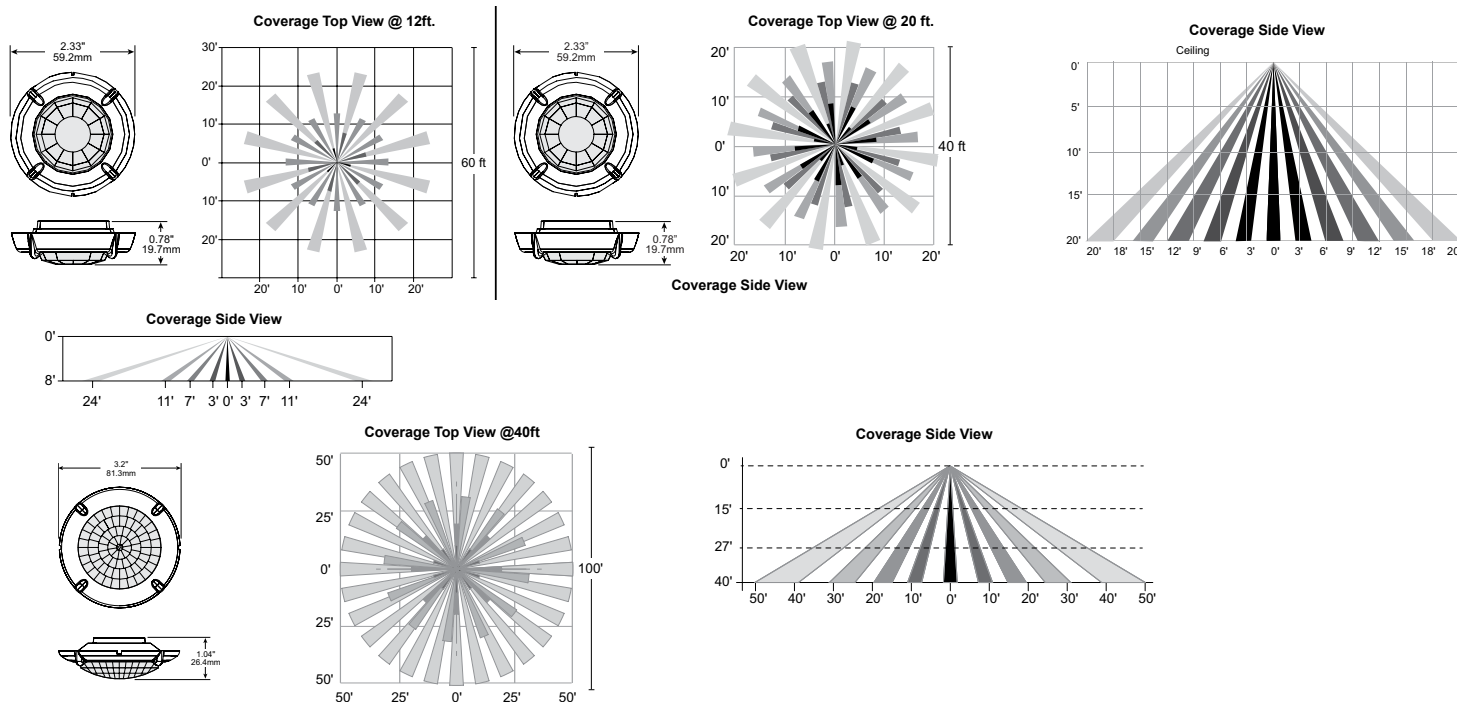
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
Independent	SCP_F	Sensor Control Programmable, sensor range, reference product specification for height selections	-	-	-	✓	✓	✓	✓	-	8ft or 20ft	SCP_F
	ADD	AutoDIM Timer Based Dimming	-	-	✓	-	-	-	✓	-	-	ADD
	ADT	AutoDIM Time of Day Dimming	-	-	✓	-	-	-	✓	-	-	ADT
	7PR	7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR
	7PR-SC	7-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-		7PR-SC
	7PR-TL	7-Pin with photocontrol	-	-	-	-	✓	-	✓	-	-	

COVERAGE PATTERNS FOR SCP_F



PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM



RATIO Series

AREA/SITE LIGHTER

DATE:	LOCATION:
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CATALOG #:	

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

POLE COMBOS

Catalog Number	Pole	Single or Double Head	Fixture	Lumens	Wattage	Distribution	CCT/CRI	Mounting	Finish
RAR1-100-4K7-3-S20	20' Square Straight Steel	Single Head	RAR1-100-4K-3	12,000	100W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-4W-S20	20' Square Straight Steel	Single Head	RAR1-100-4K-4W	12,000	100W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-3-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR1-100-4K-3	12,000	100W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-4W-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR1-100-4K-4W	12,000	100W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-3-S25	25' Square Straight Steel	Single Head	RAR1-100-4K-3	12,000	100W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-4W-S25	25' Square Straight Steel	Single Head	RAR1-100-4K-4W	12,000	100W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-3-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR1-100-4K-3	12,000	100W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-100-4K7-4W-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR1-100-4K-4W	12,000	100W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-3-S20	20' Square Straight Steel	Single Head	RAR1-135-4K-3	18,000	135W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-4W-S20	20' Square Straight Steel	Single Head	RAR1-135-4K-4W	18,000	135W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-3-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR1-135-4K-3	18,000	135W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-4W-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR1-135-4K-4W	18,000	135W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-3-S25	25' Square Straight Steel	Single Head	RAR1-135-4K-3	18,000	135W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-4W-S25	25' Square Straight Steel	Single Head	RAR1-135-4K-4W	18,000	135W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-3-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR1-135-4K-3	18,000	135W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR1-135-4K7-4W-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR1-135-4K-4W	18,000	135W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-3-S20	20' Square Straight Steel	Single Head	RAR2-165-4K-3	21,000	165W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-4W-S20	20' Square Straight Steel	Single Head	RAR2-165-4K-4W	21,000	165W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-3-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR2-165-4K-3	21,000	165W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-4W-S20-2X	20' Square Straight Steel	Double Head (180°)	RAR2-165-4K-4W	21,000	165W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-3-S25	25' Square Straight Steel	Single Head	RAR2-165-4K-3	21,000	165W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-4W-S25	25' Square Straight Steel	Single Head	RAR2-165-4K-4W	21,000	165W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-3-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR2-165-4K-3	21,000	165W	Type 3	4000K/70CRI	Square Arm	Dark Bronze
RAR2-165-4K7-4W-S25-2X	25' Square Straight Steel	Double Head (180°)	RAR2-165-4K-4W	21,000	165W	Type 4W	4000K/70CRI	Square Arm	Dark Bronze
SSSH-20-40-STK	20' Square Straight Steel	Pole Only	Not Included						
SSSH-25-40-STK	25' Square Straight Steel	Pole Only	Not Included						
SSSH-STK-4-KIT		Kit Only	Not Included						



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

RATIO Series

AREA/SITE LIGHTER

CONTROLS

Control Options

- Standalone**
SCPREMOTE Order at least one per project location to program and control
- Networked – Wireless**
WIR-RME-L LightGRID+ External Fixture Module^{1,2}
- NX Networked – Wireless**
NXOFM-1R1D-UNV NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

- Notes:
- 1 Works with external networked photosensor
 - 2 LightGRID+ Gateway required for system programming

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

Catalog Number	Description
☐ RARRPA3DB	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐ RARA3UDB	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐ ACC-O-RAR-ST1-SHLD-BC-36L	
☐ ACC-O-RAR-ST2-SHLD-BC-72L	
☐ ACC-O-RAR-ST2-SHLD-BC-108L	
☐ ACC-O-RAR-ST3-SHLD-BC-162L	
☐ ACC-O-RAR1-SHLD-BC-80L-X ¹	
☐ ACC-O-RAR1-SHLD-BC-160L-X ¹	
☐ ACC-O-RAR2-SHLD-BC-320L-X ¹	
☐ ACC-O-RAR2-SHLD-BC-480L-X ¹	
☐ ACC-O-RAR3-SHLD-BC-720L-X ¹	

1 Replace X with distribution type ("2" for Type 2, "3" for Type 3, "4F" for Type 4F, Type "4W" for Type 4W)

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
☐ RAR-ASQU-XX	Universal arm mount for square pole/flat surface ²
☐ RAR-A_U-XX	Universal arm mount for round poles ^{1,2}
☐ RAR-RPA_-XX	Round pole adapter ^{1,2}
☐ SETAVP-XX	4" square pole top tenon adapter, 2 3/8" OD slipfitter ²
☐ RETAVP-XX	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately ²
☐ BIRD-SPIKE-3	Ratio size 1 bird deterrent/spikes
☐ BIRD-SPIKE-4	Ratio size 2 bird deterrent/spikes
☐ RARWB-XX	Wall bracket - use with Mast Arm Fitter or Knuckle ²

- 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 "XX" with desired color/paint finish

RATIO Series

AREA/SITE LIGHTER MICRO STRIKE

PERFORMANCE DATA - MICRO STRIKE

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

RATIO Series

AREA/SITE LIGHTER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PERFORMANCE DATA - MICROSTRIKE (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	39	39.1	2	5385	138	1	0	1	5369	137	1	0	1	5079	130	1	0	1
			3	5331	136	1	0	2	5315	136	1	0	2	5028	129	1	0	2
			4F	5413	138	1	0	2	5396	137	1	0	2	5105	130	1	0	2
			4W	5341	137	1	0	2	5325	136	1	0	2	5037	129	1	0	2
			5QM	5508	140	2	0	1	5492	140	2	0	1	5195	132	2	0	1
			5QN	5512	140	2	0	0	5495	140	2	0	0	5198	132	2	0	0
			5QW	5118	131	3	0	2	5102	130	3	0	2	4827	123	3	0	2
			5RW	5390	138	3	0	3	5374	137	3	0	3	5084	130	3	0	3
			5W	5350	137	3	0	1	5334	136	3	0	1	5046	129	3	0	1
			C	5002	120	1	0	2	5002	120	1	0	2	5002	128	1	0	2
			FR	5547	141	1	0	1	5530	141	1	0	1	5231	133	1	0	1
			TC	5498	140	1	0	1	5481	140	1	0	1	5185	132	1	0	1
	55	56.8	2	7350	129	1	0	2	7329	129	1	0	2	6933	122	1	0	2
			3	7276	128	1	0	2	7255	128	1	0	2	6863	121	1	0	2
			4F	7388	130	1	0	2	7366	130	1	0	2	6968	123	1	0	2
			4W	7290	128	1	0	3	7269	128	1	0	3	6876	121	1	0	2
			5QM	7519	132	3	0	1	7496	132	3	0	1	7092	125	3	0	1
			5QN	7523	132	3	0	0	7501	132	3	0	0	7096	125	3	0	0
			5QW	6986	123	3	0	2	6965	123	3	0	2	6589	116	3	0	2
			5RW	7358	130	3	0	3	7336	129	3	0	3	6940	122	3	0	3
			5W	7303	129	3	0	2	7281	128	3	0	2	6888	121	3	0	2
			C	6828	113	1	0	2	6828	113	1	0	2	6828	120	1	0	2
			FR	7571	133	1	0	1	7548	133	1	0	1	7141	126	1	0	1
			TC	7504	132	1	0	1	7482	132	1	0	1	7078	125	1	0	1
	85	83.6	2	10081	121	2	0	2	10051	120	2	0	2	9508	114	2	0	2
			3	9979	119	2	0	2	9949	119	2	0	2	9412	113	1	0	2
			4F	10132	121	1	0	2	10102	121	1	0	2	9557	114	1	0	2
			4W	9998	120	1	0	3	9968	119	1	0	3	9430	113	1	0	3
			5QM	10312	123	3	0	1	10281	123	3	0	1	9726	116	3	0	1
			5QN	10318	123	3	0	0	10287	123	3	0	0	9732	116	3	0	0
			5QW	9580	115	4	0	3	9552	114	4	0	3	9036	108	4	0	3
			5RW	10090	121	4	0	4	10060	120	4	0	4	9517	114	3	0	3
			5W	10016	120	4	0	2	9986	119	4	0	2	9447	113	3	0	2
			C	9364	105	2	0	2	9364	105	2	0	2	9364	112	2	0	2
			FR	10383	124	1	0	1	10352	124	1	0	1	9793	117	1	0	1
			TC	10291	123	1	0	1	10261	123	1	0	1	9707	116	1	0	1

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	105	108.2	2	12321	114	2	0	2	12284	114	2	0	2	11621	107	2	0	2
			3	12197	113	2	0	3	12160	112	2	0	3	11504	106	2	0	3
			4F	12384	114	1	0	3	12347	114	1	0	3	11680	108	1	0	2
			4W	12220	113	2	0	3	12183	113	2	0	3	11526	107	1	0	3
			5QM	12603	116	3	0	2	12565	116	3	0	2	11887	110	3	0	2
			5QN	12611	117	3	0	0	12573	116	3	0	0	11894	110	3	0	0
			5QW	11709	108	4	0	3	11674	108	4	0	3	11044	102	4	0	3
			5RW	12333	114	4	0	4	12296	114	4	0	4	11632	108	4	0	4
			5W	12241	113	4	0	2	12205	113	4	0	2	11546	107	4	0	2
			C	11445	99	2	0	2	11445	99	2	0	2	11445	106	2	0	2
			FR	12690	117	1	0	1	12653	117	1	0	1	11969	111	1	0	1
			TC	12578	116	1	0	2	12541	116	1	0	2	11864	110	1	0	2
	120	120.9	2	13398	111	2	0	2	13358	110	2	0	2	12636	105	2	0	2
			3	13263	110	2	0	3	13223	109	2	0	3	12509	103	2	0	3
			4F	13467	111	1	0	3	13426	111	1	0	3	12701	105	1	0	3
			4W	13288	110	2	0	3	13248	110	2	0	3	12533	104	2	0	3
			5QM	13705	113	3	0	2	13664	113	3	0	2	12926	107	3	0	2
			5QN	13713	113	4	0	0	13672	113	4	0	0	12934	107	3	0	0
			5QW	12733	105	4	0	3	12695	105	4	0	3	12009	99	4	0	3
			5RW	13411	111	4	0	4	13371	111	4	0	4	12649	105	4	0	4
			5W	13312	110	4	0	2	13272	110	4	0	2	12555	104	4	0	2
			C	12446	96	2	0	2	12446	96	2	0	2	12446	103	2	0	2
			FR	13800	114	1	0	1	13758	114	1	0	1	13016	108	1	0	1
			TC	13678	113	1	0	2	13637	113	1	0	2	12901	107	1	0	2

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	115	112.1	2	14701	131	2	0	2	14657	131	2	0	2	13866	124	2	0	2
			3	14553	130	2	0	3	14509	129	2	0	3	13726	122	2	0	3
			4F	14776	132	1	0	3	14732	131	1	0	3	13937	124	1	0	3
			4W	14581	130	2	0	3	14537	130	2	0	3	13752	123	2	0	3
			5QM	15038	134	3	0	2	14993	134	3	0	2	14183	127	3	0	2
			5QN	15047	134	4	0	0	15002	134	4	0	0	14192	127	4	0	0
			5QW	13971	125	4	0	3	13929	124	4	0	3	13177	118	4	0	3
			5RW	14715	131	4	0	4	14671	131	4	0	4	13879	124	4	0	4
			5W	14606	130	4	0	2	14563	130	4	0	2	13776	123	4	0	2
			C	14571	130	2	0	3	14571	130	2	0	3	13656	122	2	0	3
			FR	15142	135	2	0	1	15097	135	2	0	1	14282	127	1	0	1
			TC	15008	134	2	0	2	14963	133	2	0	2	14155	126	1	0	2
	145	141.2	2	17797	126	3	0	3	17744	126	3	0	3	16786	119	3	0	3
			3	17618	125	2	0	3	17565	124	2	0	3	16617	118	2	0	3
			4F	17889	127	2	0	3	17835	126	2	0	3	16872	119	2	0	3
			4W	17652	125	2	0	4	17599	125	2	0	4	16649	118	2	0	4
			5QM	18205	129	4	0	2	18151	129	4	0	2	17170	122	4	0	2
			5QN	18216	129	4	0	0	18162	129	4	0	0	17181	122	4	0	0
			5QW	16914	120	4	0	3	16863	119	4	0	3	15953	113	4	0	3
			5RW	17815	126	4	0	4	17761	126	4	0	4	16802	119	4	0	4
			5W	17683	125	4	0	2	17630	125	4	0	2	16678	118	4	0	2
			C	17640	125	3	0	3	17640	125	3	0	3	16532	117	3	0	3
			FR	18331	130	2	0	2	18276	129	2	0	2	17290	122	2	0	2
			TC	18169	129	2	0	2	18115	128	2	0	2	17137	121	2	0	2
	180	177.0	2	21314	120	3	0	3	21250	120	3	0	3	20102	114	3	0	3
			3	21099	119	3	0	4	21036	119	3	0	4	19900	112	3	0	4
			4F	21423	121	2	0	4	21359	121	2	0	4	20206	114	2	0	4
			4W	21139	119	2	0	4	21076	119	2	0	4	19938	113	2	0	4
			5QM	21802	123	4	0	2	21737	123	4	0	2	20563	116	4	0	2
			5QN	21815	123	4	0	0	21750	123	4	0	0	20575	116	4	0	0
			5QW	20256	114	5	0	4	20195	114	5	0	4	19104	108	5	0	3
			5RW	21334	121	5	0	5	21271	120	5	0	5	20122	114	5	0	5
			5W	21176	120	5	0	3	21113	119	5	0	3	19973	113	5	0	3
			C	21125	119	3	0	4	21125	119	3	0	4	19799	112	3	0	4
			FR	21953	124	2	0	2	21888	124	2	0	2	20706	117	2	0	2
			TC	21759	123	2	0	2	21694	123	2	0	2	20523	116	2	0	2

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	210	217.3	2	24102	111	3	0	3	24030	111	3	0	3	22732	105	3	0	3
			3	23859	110	3	0	4	23788	109	3	0	4	22503	104	3	0	4
			4F	24226	111	2	0	4	24153	111	2	0	4	22849	105	2	0	4
			4W	23905	110	3	0	5	23833	110	3	0	5	22546	104	2	0	4
			5QM	24654	113	4	0	2	24581	113	4	0	2	23253	107	4	0	2
			5QN	24669	114	5	0	1	24595	113	5	0	1	23267	107	5	0	0
			5QW	22905	105	5	0	4	22837	105	5	0	4	21604	99	5	0	4
			5RW	24126	111	5	0	5	24053	111	5	0	5	22754	105	5	0	5
			5W	23947	110	5	0	3	23875	110	5	0	3	22586	104	5	0	3
			C	23889	110	3	0	4	23889	110	3	0	4	22389	103	3	0	4
			FR	24825	114	2	0	2	24751	114	2	0	2	23414	108	2	0	2
			TC	24606	113	2	0	2	24532	113	2	0	2	23207	107	2	0	2
	240	238.6	2	26781	112	3	0	4	26701	112	3	0	4	25259	106	3	0	3
			3	26511	111	3	0	4	26432	111	3	0	4	25005	105	3	0	4
			4F	26918	113	2	0	4	26838	112	2	0	4	25389	106	2	0	4
			4W	26562	111	3	0	5	26483	111	3	0	5	25053	105	3	0	5
			5QM	27395	115	4	0	2	27313	114	4	0	2	25838	108	4	0	2
			5QN	27411	115	5	0	1	27329	115	5	0	1	25853	108	5	0	1
			5QW	25451	107	5	0	4	25375	106	5	0	4	24005	101	5	0	4
			5RW	26807	112	5	0	5	26727	112	5	0	5	25284	106	5	0	5
			5W	26609	112	5	0	3	26529	111	5	0	3	25097	105	5	0	3
			C	26544	111	3	0	4	26544	111	3	0	4	24878	104	3	0	4
			FR	27585	116	2	0	2	27502	115	2	0	2	26017	109	2	0	2
			TC	27341	115	2	0	2	27259	114	2	0	2	25787	108	2	0	2
	215	215.0	2	26697	124	3	0	4	26617	124	3	0	4	25180	117	3	0	3
			3	26428	123	3	0	4	26349	123	3	0	4	24926	116	3	0	4
			4F	26834	125	2	0	4	26754	124	2	0	4	25309	118	2	0	4
			4W	26479	123	3	0	5	26400	123	3	0	5	24974	116	3	0	5
			5QM	27309	127	4	0	2	27227	127	4	0	2	25757	120	4	0	2
			5QN	27325	127	5	0	1	27243	127	5	0	1	25772	120	5	0	1
			5QW	25372	118	5	0	4	25296	118	5	0	4	23930	111	5	0	4
			5RW	26723	124	5	0	5	26643	124	5	0	5	25204	117	5	0	5
			5W	26525	123	5	0	3	26446	123	5	0	3	25018	116	5	0	3
			C	26461	123	3	0	4	26461	123	3	0	4	24799	115	3	0	4
			FR	27498	128	2	0	2	27416	128	2	0	2	25935	121	2	0	2
			TC	27255	127	2	0	2	27174	126	2	0	2	25706	120	2	0	2

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	250	247.5	2	30249	122	3	0	4	30159	122	3	0	4	28530	115	3	0	4
			3	29944	121	3	0	4	29855	121	3	0	4	28243	114	3	0	4
			4F	30404	123	2	0	5	30313	122	2	0	5	28676	116	2	0	5
			4W	30002	121	3	0	5	29912	121	3	0	5	28297	114	3	0	5
			5QM	30942	125	5	0	3	30849	125	5	0	3	29184	118	5	0	2
			5QN	30961	125	5	0	1	30868	125	5	0	1	29201	118	5	0	1
			5QW	28747	116	5	0	4	28661	116	5	0	4	27113	110	5	0	4
			5RW	30278	122	5	0	5	30188	122	5	0	5	28558	115	5	0	5
			5W	30054	121	5	0	4	29964	121	5	0	4	28346	115	5	0	3
			C	29982	121	3	0	4	29982	121	3	0	4	28099	114	3	0	4
			FR	31157	126	2	0	2	31063	126	2	0	2	29386	119	2	0	2
			TC	30881	125	3	0	3	30789	124	3	0	3	29126	118	3	0	2
	280	274.6	2	32729	119	3	0	4	32631	119	3	0	4	30869	112	3	0	4
			3	32400	118	3	0	5	32303	118	3	0	5	30558	111	3	0	5
			4F	32897	120	2	0	5	32799	119	2	0	5	31028	113	2	0	5
			4W	32462	118	3	0	5	32365	118	3	0	5	30617	112	3	0	5
			5QM	33479	122	5	0	3	33379	122	5	0	3	31577	115	5	0	3
			5QN	33499	122	5	0	1	33399	122	5	0	1	31596	115	5	0	1
			5QW	31104	113	5	0	5	31011	113	5	0	5	29337	107	5	0	4
			5RW	32761	119	5	0	5	32663	119	5	0	5	30899	113	5	0	5
			5W	32519	118	5	0	4	32421	118	5	0	4	30671	112	5	0	4
			C	32440	118	3	0	5	32440	118	3	0	5	30403	111	3	0	5
			FR	33711	123	2	0	2	33610	122	2	0	2	31795	116	2	0	2
			TC	33413	122	3	0	3	33313	121	3	0	3	31515	115	3	0	3
	325	325.0	2	36969	114	3	0	4	36858	113	3	0	4	34868	107	3	0	4
			3	36597	113	3	0	5	36487	112	3	0	5	34517	106	3	0	5
			4F	37159	114	3	0	5	37047	114	3	0	5	35047	108	3	0	5
			4W	36667	113	3	0	5	36557	112	3	0	5	34583	106	3	0	5
			5QM	37816	116	5	0	3	37703	116	5	0	3	35667	110	5	0	3
			5QN	37839	116	5	0	1	37726	116	5	0	1	35688	110	5	0	1
			5QW	35133	108	5	0	5	35028	108	5	0	5	33137	102	5	0	5
			5RW	37005	114	5	0	5	36894	114	5	0	5	34902	107	5	0	5
			5W	36731	113	5	0	4	36621	113	5	0	4	34643	107	5	0	4
			C	36642	113	3	0	5	36642	113	3	0	5	34341	106	3	0	5
			FR	38078	117	3	0	2	37964	117	3	0	2	35914	111	3	0	2
			TC	37742	116	3	0	3	37629	116	3	0	3	35597	110	3	0	3

RATIO Series

AREA/SITE LIGHTER

PERFORMANCE DATA - STRIKE OPTIC (CONT'D)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	365	357.7	2	40171	112	3	0	4	40051	112	3	0	4	37888	106	3	0	4
			3	39767	111	3	0	5	39648	111	3	0	5	37507	105	3	0	5
			4F	40377	113	3	0	5	40257	113	3	0	5	38083	106	3	0	5
			4W	39843	111	3	0	5	39724	111	3	0	5	37579	105	3	0	5
			5QM	41092	115	5	0	3	40969	115	5	0	3	38756	108	5	0	3
			5QN	41117	115	5	0	1	40994	115	5	0	1	38780	108	5	0	1
			5QW	38177	107	5	0	5	38063	106	5	0	5	36007	101	5	0	5
			5RW	40210	112	5	0	5	40090	112	5	0	5	37925	106	5	0	5
			5W	39913	112	5	0	4	39793	111	5	0	4	37644	105	5	0	4
			C	39816	111	3	0	5	39816	111	3	0	5	37316	104	3	0	5
			FR	41377	116	3	0	2	41253	115	3	0	2	39025	109	3	0	2
			TC	41011	115	3	0	3	40888	114	3	0	3	38680	108	3	0	3

RATIO Series

AREA/SITE LIGHTER

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ELECTRICAL DATA - MICROSTRIKE OPTICS

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

RATIO Series

AREA/SITE LIGHTER

ELECTRICAL DATA - STRIKE OPTICS

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
36	39	120	0.326	39.1
		208	0.188	
		240	0.163	
		277	0.141	
		347	0.113	
		480	0.081	
	55	120	0.473	56.8
		208	0.273	
		240	0.237	
		277	0.205	
		347	0.164	
		480	0.118	
	85	120	0.697	83.6
		208	0.402	
		240	0.348	
		277	0.302	
		347	0.241	
		480	0.174	
	105	120	0.902	108.2
		208	0.520	
		240	0.451	
		277	0.391	
		347	0.312	
		480	0.225	
	120	120	1.008	120.9
		208	0.581	
		240	0.504	
		277	0.436	
		347	0.348	
		480	0.252	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
72L	115	120	0.934	112.1
		208	0.539	
		240	0.467	
		277	0.405	
		347	0.323	
		480	0.234	
	145	120	1.177	141.2
		208	0.679	
		240	0.588	
		277	0.510	
		347	0.407	
		480	0.294	
	180	120	1.475	177.0
		208	0.851	
		240	0.738	
		277	0.639	
		347	0.510	
		480	0.369	
	210	120	1.811	217.3
		208	1.045	
		240	0.905	
		277	0.784	
		347	0.626	
		480	0.453	
	240	120	1.988	238.6
		208	1.147	
		240	0.994	
		277	0.861	
		347	0.688	
		480	0.497	
108L	215	120	1.792	215.0
		208	1.034	
		240	0.896	
		277	0.776	
		347	0.620	
		480	0.448	
	250	120	2.063	247.5
		208	1.190	
		240	1.031	
		277	0.894	
		347	0.713	
		480	0.516	
	280	120	2.288	274.6
		208	1.320	
		240	1.144	
		277	0.991	
		347	0.791	
		480	0.572	
	325	120	2.708	325.0
		208	1.563	
		240	1.354	
		277	1.173	
		347	0.937	
		480	0.677	
	365	120	2.981	357.7
		208	1.720	
		240	1.490	
		277	1.291	
		347	1.031	
		480	0.745	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	—	0.841	—
3000K	0.977	0.861	0.647
3500K	—	0.900	—
4000K	1	0.926	0.699
5000K	1	0.937	0.791
AP-Amber Phosphor Converted Multiplier			
Amber	0.710		

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
Monochromatic Amber Multiplier			
Amber	See Amber Spec Sheet		

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

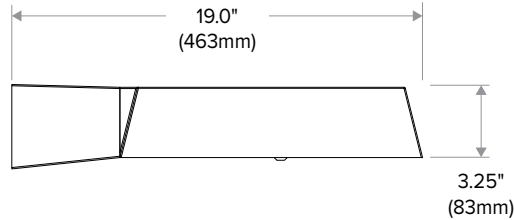
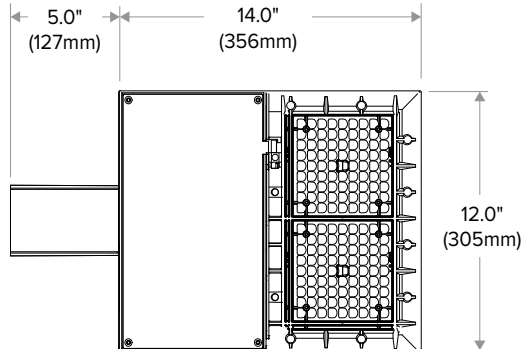
RATIO Series

AREA/SITE LIGHTER

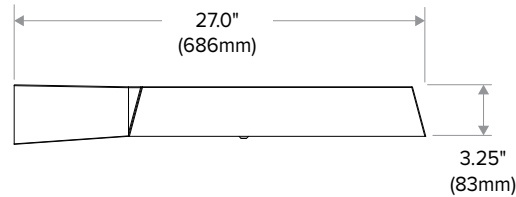
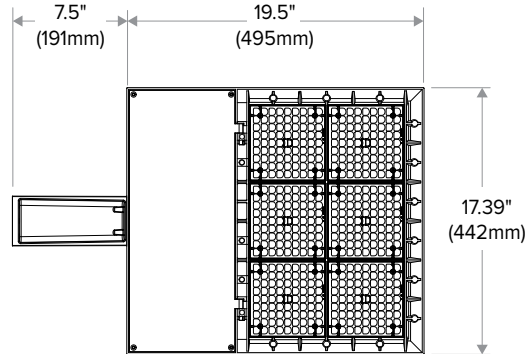
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TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

RAR1

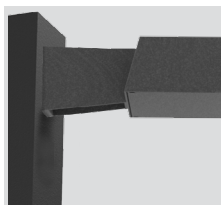


RAR2



ADDITIONAL INFORMATION

MOUNTING



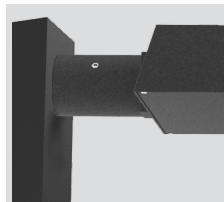
Arm Mount – ASQ: Fixture ships with integral arm for ease of installation.



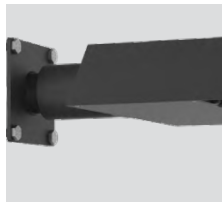
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



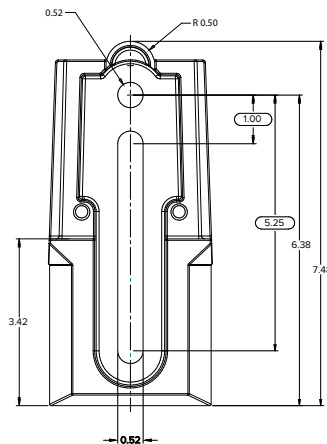
Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5" and S2 and B3 drill patterns



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



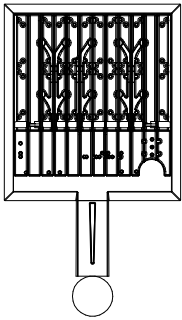
Wall Mount – Wall mount bracket designed for building mount applications.



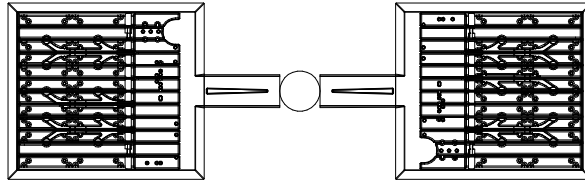
RATIO Series

AREA/SITE LIGHTER

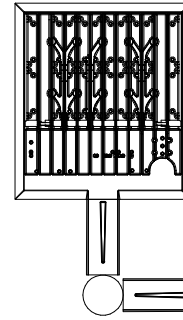
EPA (RAR1)



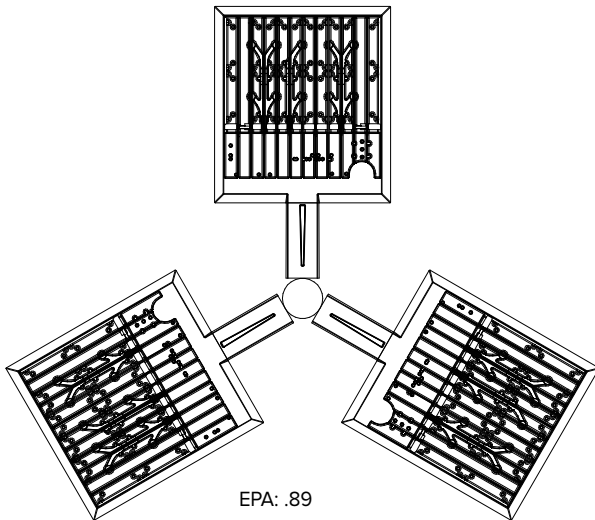
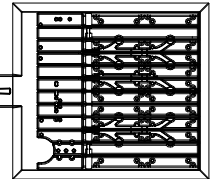
EPA Knuckle Mount 0 degrees: .43
EPA Knuckle Mount 30 degrees: .55
EPA Arm Mount: .0 degrees 38



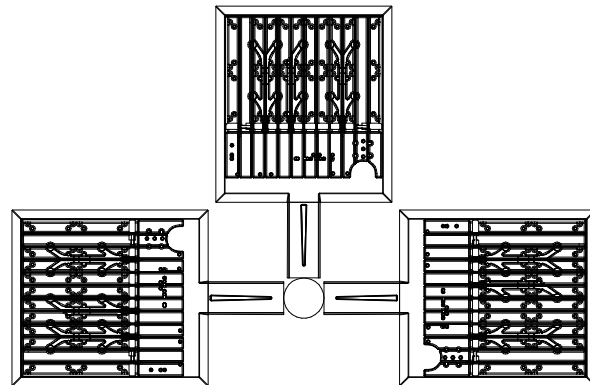
EPA: .99



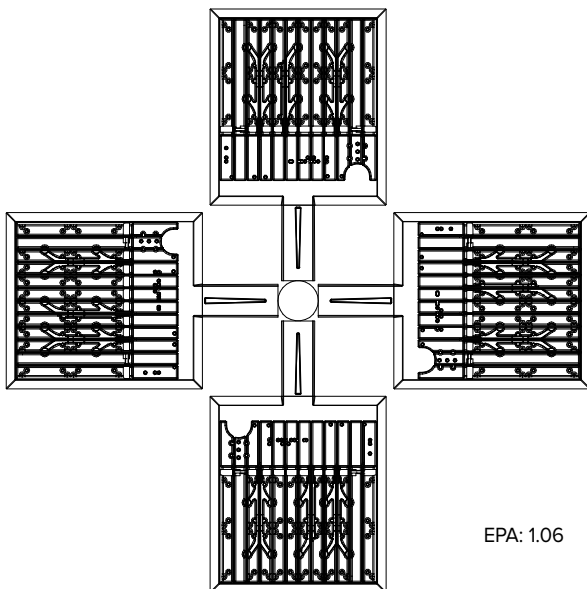
EPA: .62



EPA: .89



EPA: .99

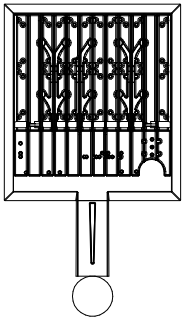


EPA: 1.06

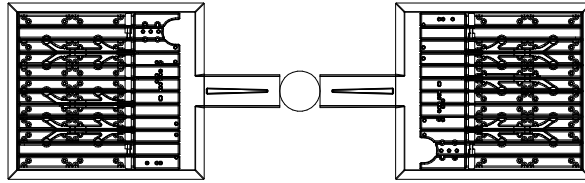
RATIO Series

AREA/SITE LIGHTER

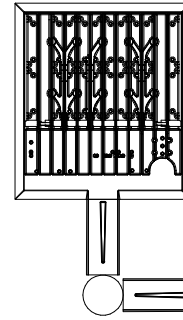
EPA (RAR2)



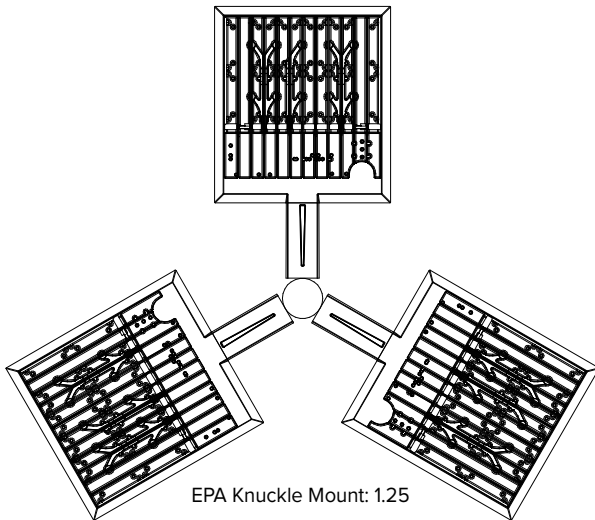
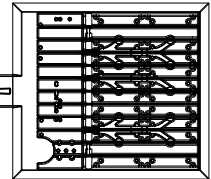
EPA Knuckle Mount: .52
EPA Arm Mount: .55



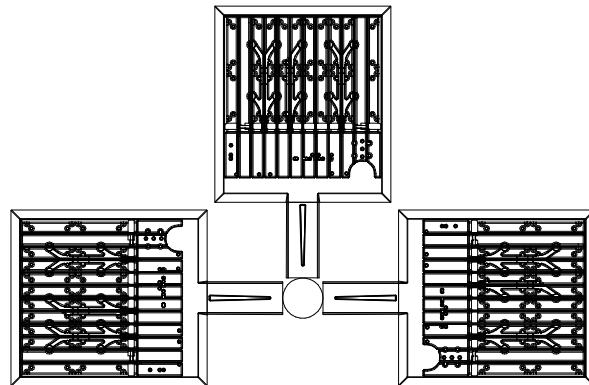
EPA: 1.486



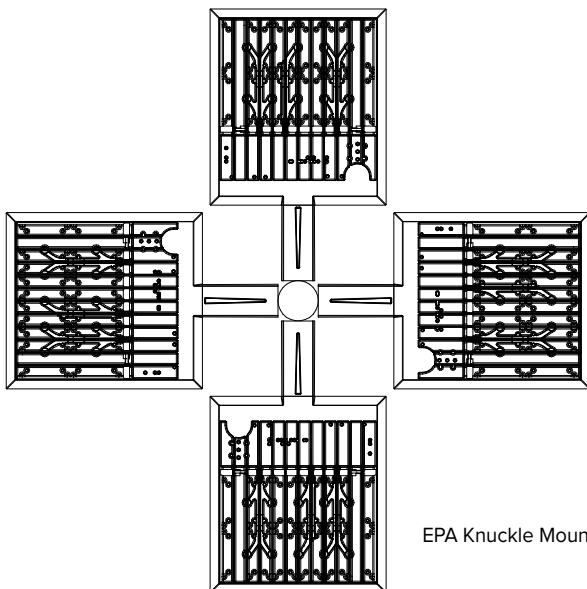
EPA Knuckle Mount: .87



EPA Knuckle Mount: 1.25



EPA Knuckle Mount: 1.41



EPA Knuckle Mount: 1.56

RATIO Series

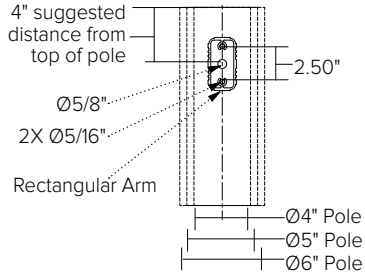
AREA/SITE LIGHTER

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ADDITIONAL INFORMATION (CONT'D)

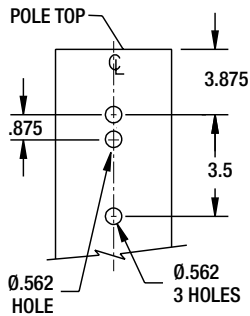
ARM MOUNT (ASQ)

Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)

Compatible with pole drill pattern S2



PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

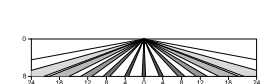
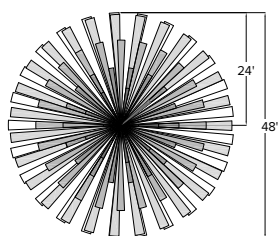
RATIO Series

AREA/SITE LIGHTER

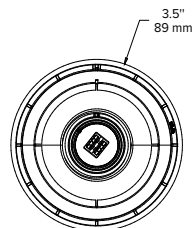
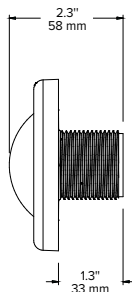
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ADDITIONAL INFORMATION (CONT'D)

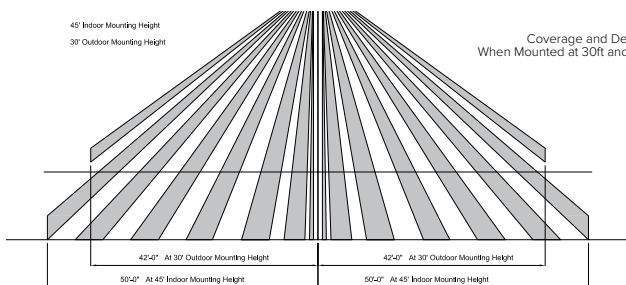
NXSP-14F



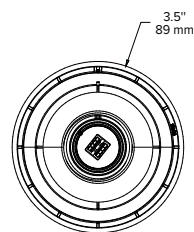
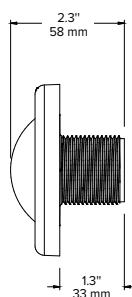
Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens



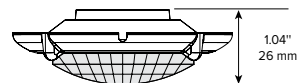
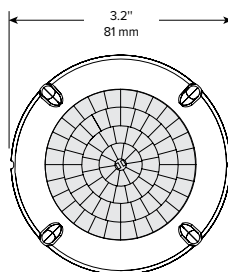
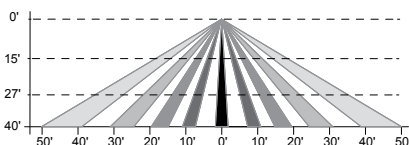
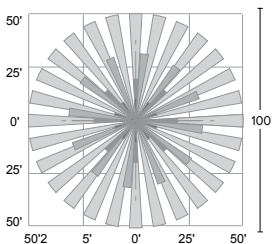
NXSP-30F



Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens



SCP-40F



RAR1 EPA

RAR-1	
EPA at 0°	EPA at 30°
.45ft. ² .13m ²	.56ft. ² .17m ²

RAR2 EPA

RAR-2	
EPA at 0°	EPA at 30°
.55ft. ² .17m ²	1.48ft. ² .45m ²

SHIPPING

Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

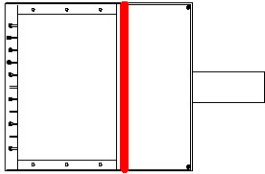
RATIO Series

AREA/SITE LIGHTER

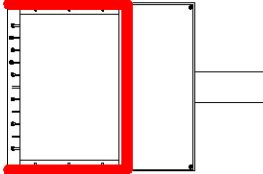
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

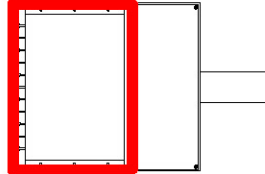
RARx HSS-90-B-xx



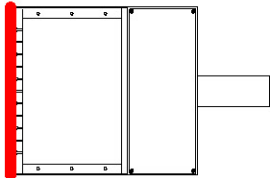
RARx HSS-270-BSS-xx



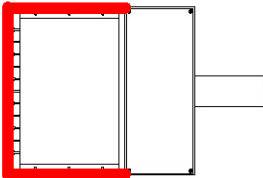
RARx HSS-360-xx



RARx HSS-90-F-xx

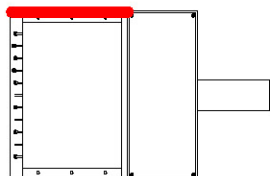


RARx HSS-270-FSS-xx

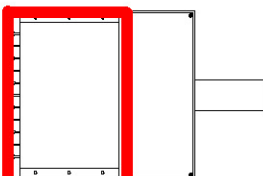


Note: Not to be used with Occupancy Sensors as the shield may block the light to the sensor

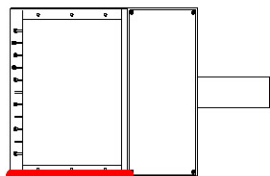
RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx

