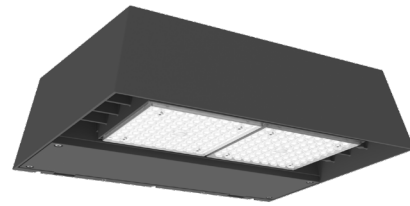


RATIO Wall Amber

RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, LightGRID+ and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- 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
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 36 Amber LEDs
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions.

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, LightGRID+ and battery versions

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66

ELECTRICAL (CONTINUED)

- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- 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 6" standard.

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -25°C to 40°C.

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant

WARRANTY

- 5 year limited warranty

	Weight
RWL2	16.5 lbs / 7.48 kg

RATIO Wall Amber

RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL2-36L-25-AM-3-UNV-BLS

CATALOG #

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color
RWL2 Ratio Wall 2	36L-15 1500 Lumens	AM Monochromatic Amber	2 IES TYPE II 3 IES TYPE III 4F IES TYPE IV Forward ¹ 4W IES TYPE IV	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	BLT Black Matte Textured
	36L-20 1700 Lumens				BLS Black Gloss Smooth
	36L-25 2000 Lumens				DBT Dark Bronze Matte Textured
	36L-30 2250 Lumens				DBS Dark Bronze Gloss Smooth
	36L-40 2500 Lumens				GTT Graphite Matte Textured
	36L-50 2800 Lumens				LGS Light Grey Gloss Smooth
	36L-65 3000 Lumens				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 Network	
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ²
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ²
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ²
WIR	LightGRID+ In-Fixture Module ^{2,6}
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor ^{3,4}
SCP-20F	Remote control programmable line voltage sensor ^{3,4}
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ¹⁰
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ¹⁰
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ¹⁰
Control Options	
7PR_	7-Pin Receptacle ⁵

Options*	
F	Fusing ³
E	Emergency Battery Backup ^{7,8,9}
EH	Emergency Battery w/ Heater Option ^{7,8}
2DR	Dual Driver ^{4,6,11}
2PF	Dual Power Feed ^{4,6,11}
PC	Button Photocontrol ⁸
SP	10kA Surge Protector

- Notes:
- 1 Only available with RWL2
 - 2 Networked Controls cannot be combined with other control options
 - 3 Must specify voltage, 120V or 277V only
 - 4 Not available with 347/480V
 - 5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
 - 6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
 - 7 For E and EH, an integral backbox is added to the RWL1 configuration
 - 8 Option only available at 120 or 277V
 - 9 2DR and 2PF can't be combined with E and EH due to space limitations
 - 10 Not available in RWL1 or 2 PF
- * Based on space limitations, some options may not be able to be combined

CONTROLS

Control Options

Standalone

SCPREMOTE Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> WP-BB-XXX	Accessory for conduit entry ¹

- Notes:
- 1 replace "xxx" with color option

RATIO Wall Amber

RWL2 LED WALLPACK

CONTROLS FUNCTIONALITY

OUTDOOR LIGHTING CONTROLS OPTIONS

LIGHTGRID⁺



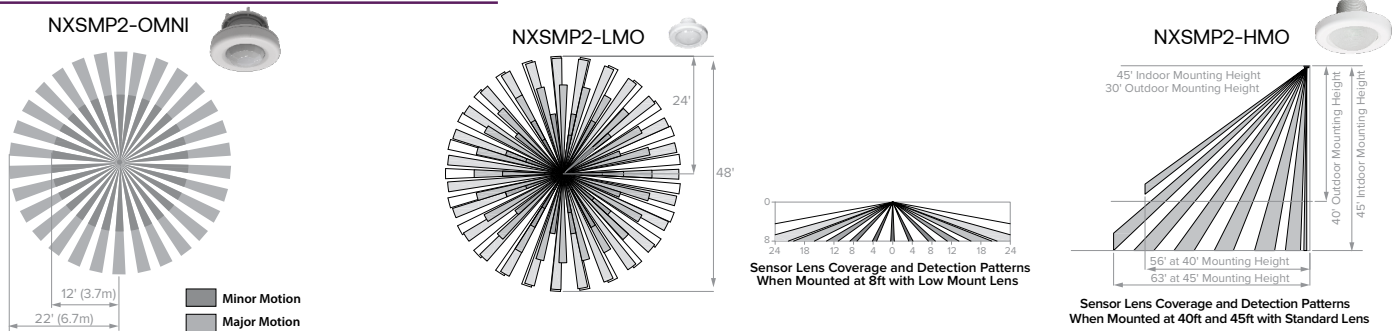
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS16F NX Networked Wireless Enabled Integral NX SMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NX SMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+ WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-	WIR	
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.NXBT&hl=en_US&gl=US



Apple App



Google Play

RATIO Wall Amber

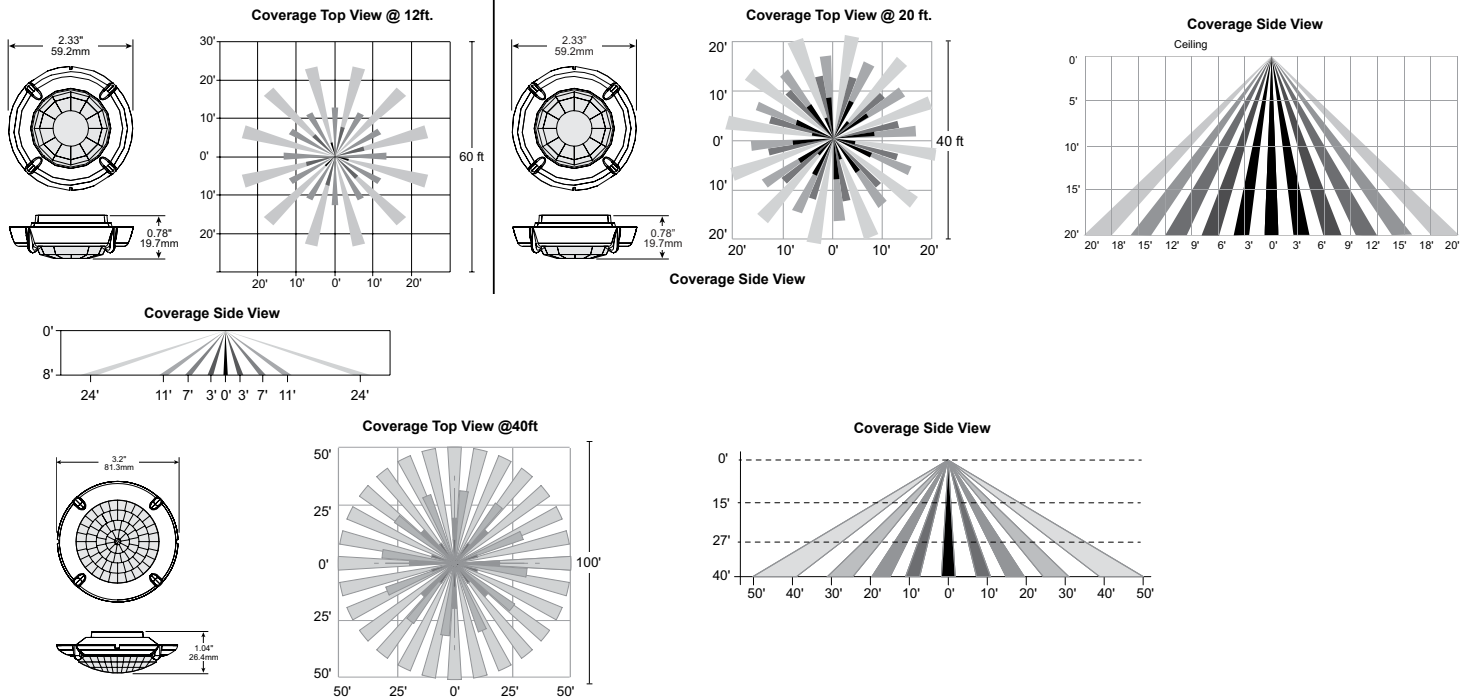
RWL2 LED WALLPACK

OUTDOOR LIGHTING CONTROLS OPTIONS

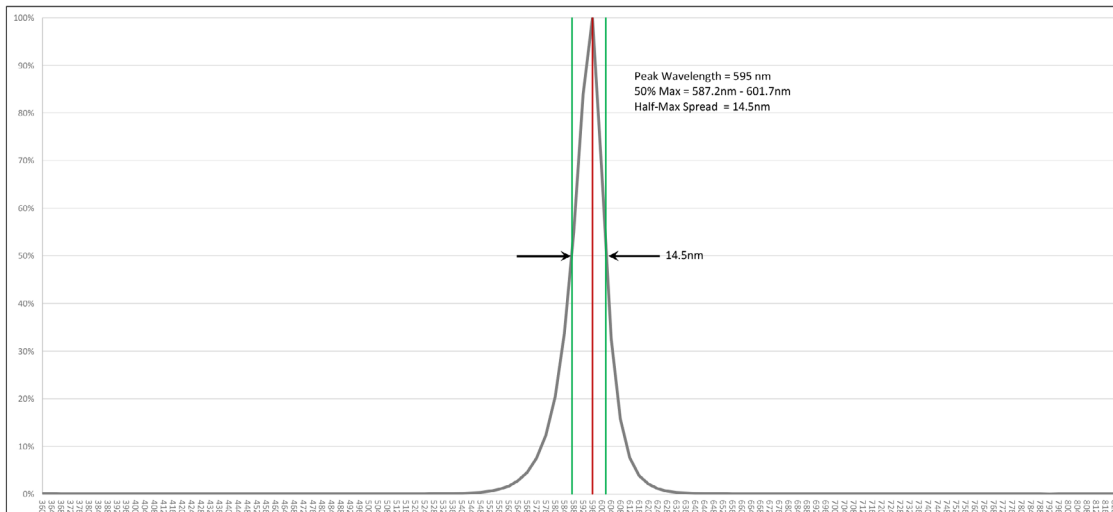
CONTROLS FUNCTIONALITY

	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 40ft	SCP_F
	7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR

COVERAGE PATTERNS FOR SCP_F



SPECTRAL CHART



RATIO Wall Amber

RWL2 LED WALLPACK

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	Amber (AM)				
				Lumens	LPW	B	U	G
RWL2	15	17.3	2	1444	83	0	0	1
			3	1428	83	0	0	1
			4F	1449	84	0	0	1
			4W	1430	83	0	0	1
	20	22.0	2	1744	79	0	0	1
			3	1726	78	0	0	1
			4F	1751	80	0	0	1
			4W	1728	79	0	0	1
	25	26.6	2	2005	75	1	0	1
			3	1984	75	0	0	1
			4F	2013	76	0	0	1
			4W	1987	75	0	0	1
	30	31.5	2	2266	72	1	0	1
			3	2242	71	0	0	1
			4F	2275	72	0	0	1
			4W	2245	71	0	0	1
	40	38.9	2	2546	65	1	0	1
			3	2519	65	1	0	1
			4F	2556	66	0	0	1
			4W	2523	65	0	0	1
	50	49.3	2	2827	57	1	0	1
			3	2797	57	1	0	1
			4F	2838	58	1	0	1
			4W	2801	57	1	0	2
	65	62.3	2	3008	48	1	0	1
			3	2976	48	1	0	1
			4F	3019	48	1	0	1
			4W	2980	48	1	0	2

RATIO Wall Amber

RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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
50°C	122°F	0.97

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	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

ELECTRICAL DATA

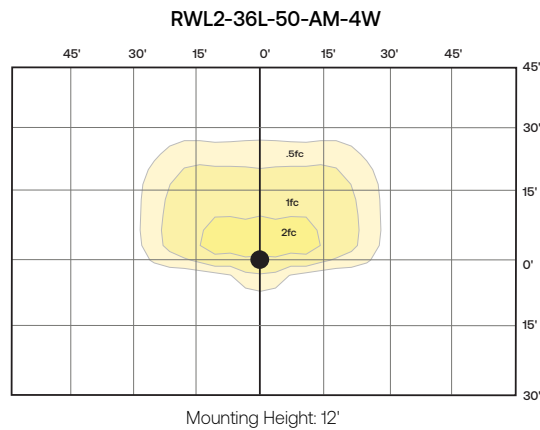
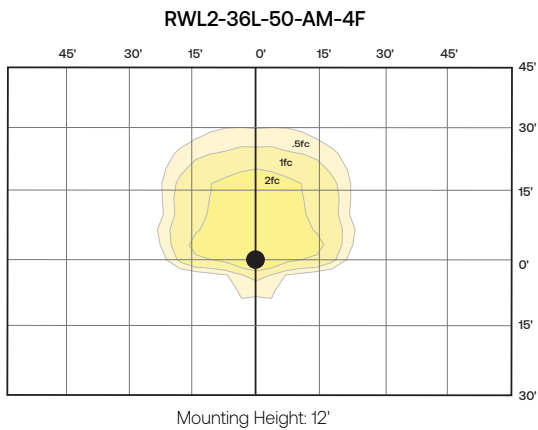
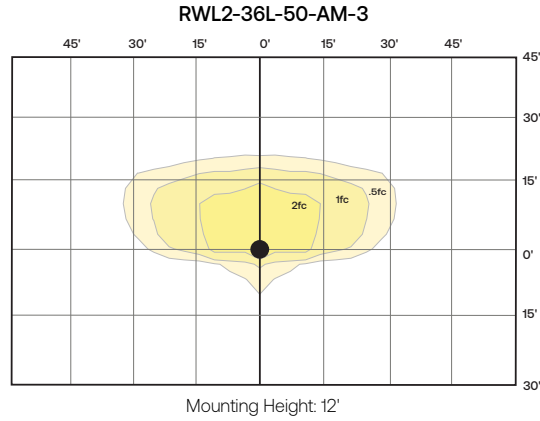
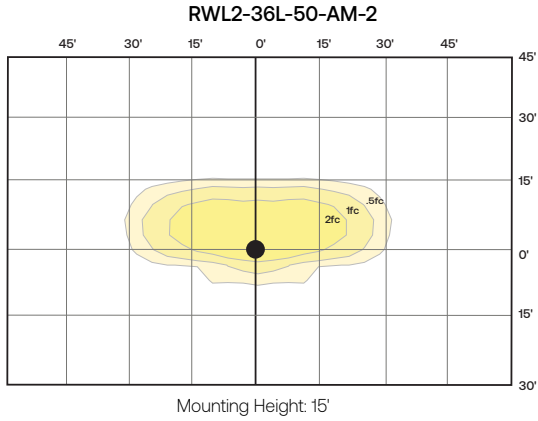
# OF LEDS	36L						
NOMINAL WATTAGE	15	20	25	30	40	50	65
SYSTEM POWER (W)	17.3	22.0	26.6	31.5	38.9	49.3	62.3
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.14	0.18	0.22	0.26	0.32	0.41	0.52
208	0.08	0.11	0.13	0.15	0.19	0.24	0.30
240	0.07	0.09	0.11	0.13	0.16	0.21	0.26
277	0.06	0.08	0.10	0.11	0.14	0.18	0.22
347	0.05	0.06	0.08	0.09	0.11	0.14	0.18
480	0.04	0.05	0.06	0.07	0.08	0.10	0.13

RATIO Wall Amber

RWL2 LED WALLPACK

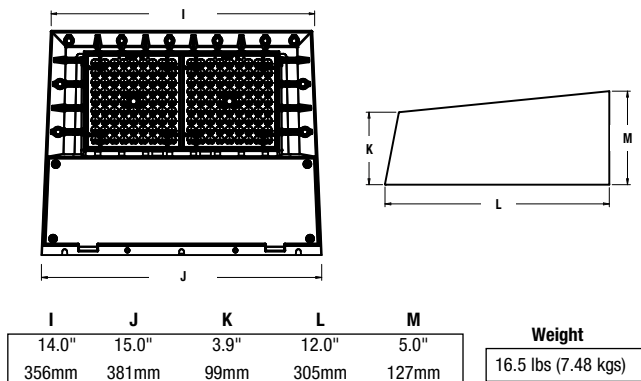
PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

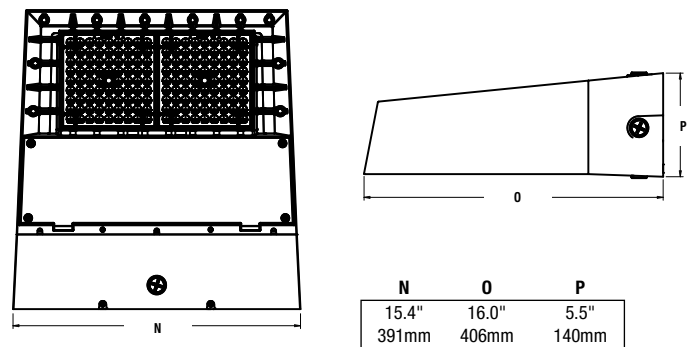


DIMENSIONS

RWL2



**RWL2 with
Integral Back Box**

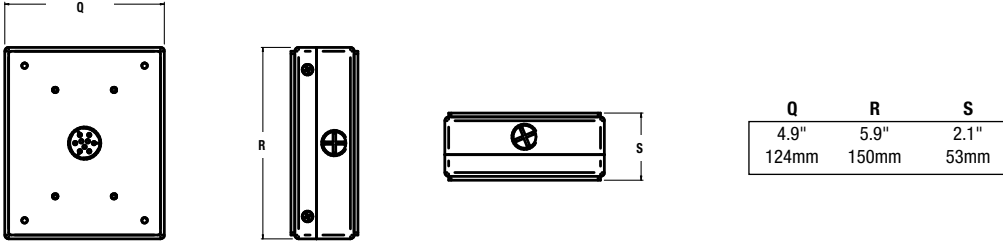


RATIO Wall Amber

RWL2 LED WALLPACK

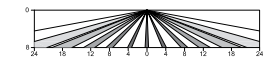
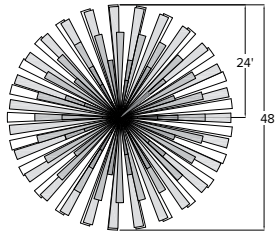
DIMENSIONS (CONTINUED)

Back Box Accessory

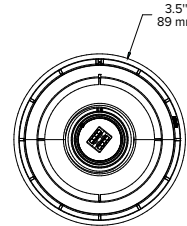
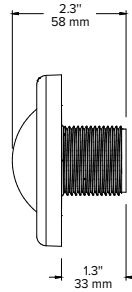


ADDITIONAL INFORMATION

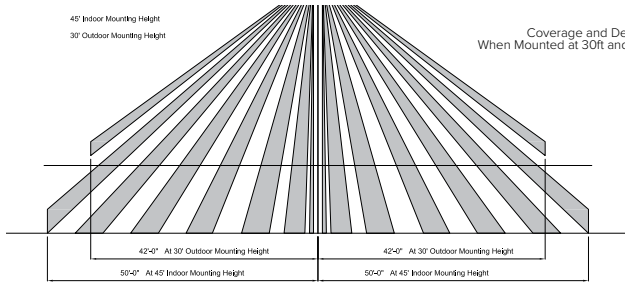
NXSP-14F



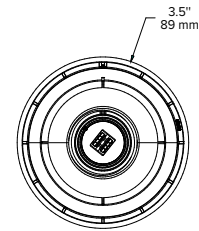
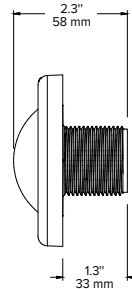
Sensor Lens Coverage and Detection Patterns When Mounted at 8ft with Low Mount Lens



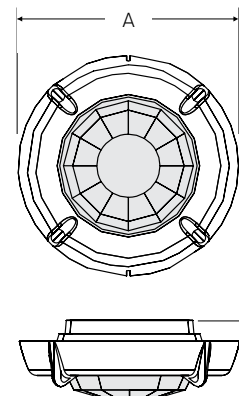
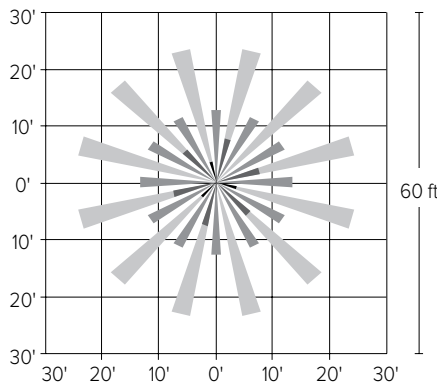
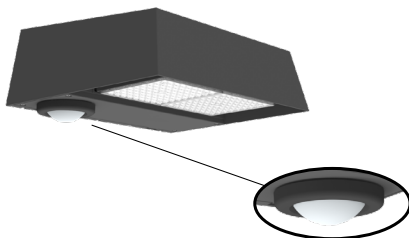
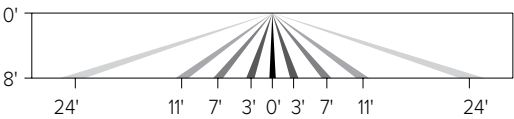
NXSP-40F



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



SCP-8F

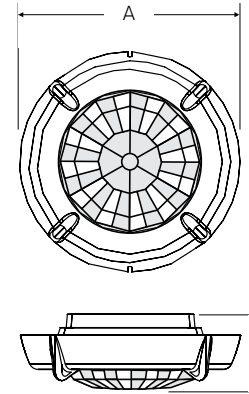
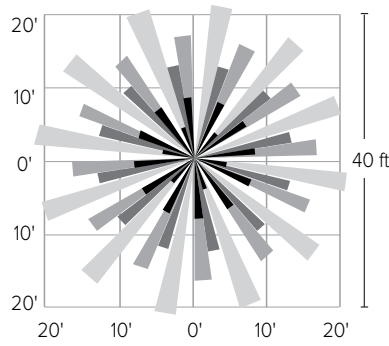
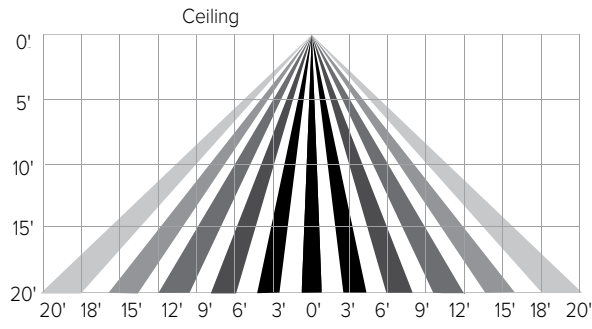


A	B
2.3" (59mm)	.8" (20mm)

RATIO Wall Amber

RWL2 LED WALLPACK

SCP-20F



A	B
2.3" (59mm)	.8" (20mm)