Project		Catalog #		Type	
Prepared by		Notes		Date	

Lumière

Lanterra 9003

Wall Mount Cylinder
Interior / Exterior
Integrated LED

Typical Applications

• Hospitality • Commerical Landscape • Outdoor Area/Site • Residential
• Architectural

Interactive Menu

Product Certification

c UL us LISTED · RoHS COMPLIANT · IP66 · LM79 LM80 · BAA · BABA

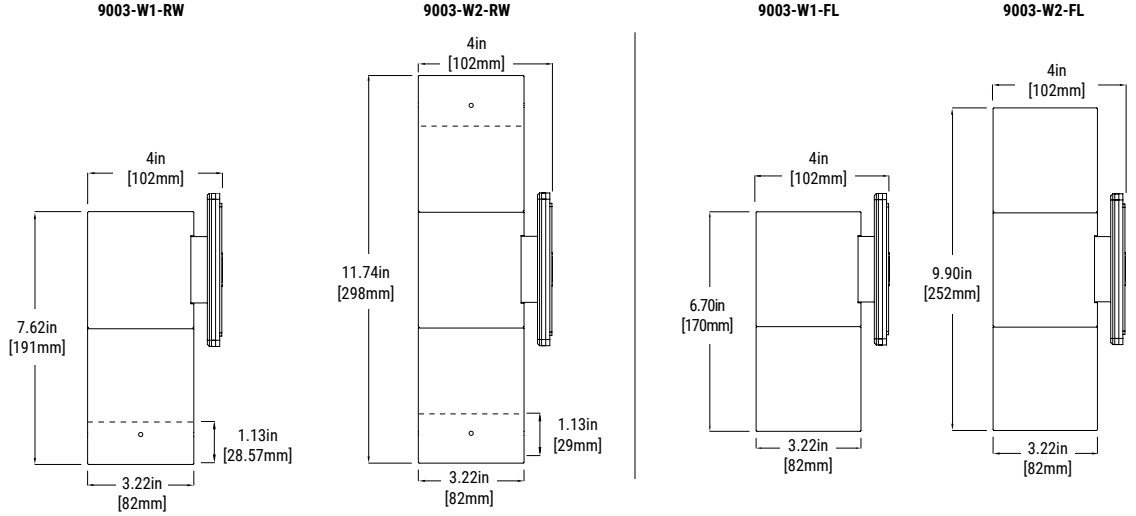
Product Features

wet location

Top Product Features

- Uplight, downlight or combined up and downlight
- Up to 1600 delivered lumens per side and 93 LPW
- Field interchangeable Spot, Medium, Flood and Wide optics
- Integrated LED source with 80, 90, and 97 CRI options available
- Premium machined aluminum construction with stainless steel hardware
- Line voltage input with ELV, Triac and 0-10V dimming standard
- Integral and remote driver mounting options

Dimensions



Order Information

SAMPLE ORDER NUMBER: **9003-W2-RW-LED3090-S-F-CS-L2-UNV-RSM**

Domestic Preferences	Series	Direction	Hood	LED CCT & CRI	Field Replaceable optic 1	Field Replaceable optic 2	Finish	Light level	Voltage	Mounting	Options
[Blank]=Standard **BAA**=Buy American Act **BABA**=Build America Buy America Act	**9003**	**W1**=Up or Down **W2**(2)=Up and Down	**RW**=Standard-Recessed Lens with weep holes **RI**=Recessed Lens with no weep holes **FL**=Flush lens hood	**Standard CRI** **LED2790**= 2700K, 90 CRI **LED3090**= 3000K, 90 CRI **LED3590**= 3500K, 90 CRI **LED4080**= 4000K, 80 CRI **LED5080**= 5000K, 80 CRI **Premium CRI** **LED2797**= 2700K, 97 CRI **LED3097**= 3000K, 97 CRI **LED3597**= 3500K, 97 CRI **LED4097**= 4000K, 97 CRI	**S**=Spot **M**=Medium **F**=Flood **W**=Wide Flood	**S**=Spot **M**=Medium **F**=Flood **W**=Wide Flood	**Painted** **BK**=Black **BZ**=Bronze **CS**=City Silver **WT**=White **RALXX**= Custom Color	**L1**=Light Level 1 (10W) **L2**=Light Level 2 (20W)	**UNV**=120-277V	**Surface Mount - Wall, Ceiling, Ground** **RSM=** Round Surface Mount- mounts directly to junction box **Remote Driver Housing** **WRR** (4) =Remote Driver Housing - Round Wall Plate **WRS** (4) =Remote Driver Housing - Square Wall Plate **Integral Driver Mount** **WIS** (5) =Wall Integral Driver Plate	**SVPD2**(6) =Standalone integral sensor
Notes (1) Only product configurations with these prefixes are built to be compliant with the Buy America Act of 1933 (BAA) or Buy America Build America Act (BABA). Please see the Compliance section in Product Specifications for more detail.	**Notes**	**Notes** (2) W2 doubles input wattage listed	**Notes**	**Notes**	**Notes**	**Notes** (3) Only available for double head option (W2)	**Notes**	**Notes**	**Notes**	**Notes** (4) Remote Driver distance up to 60' (5) 9003-W2 not available in L2	**Notes** (6) Only available for Single head, Up or down (W1) with RSM only

Accessories - order separately

Accessories

Accessories(8)				
	Filters	**Lens**	**Louver**	**Optics**
LCTL1RZRT452L-PK=Light Comissioning Tool (LCT) (7) **ISHH01LUM**=Programming Remote for sensor **ISHH02LUM**=Personal Control Remote for sensor	**F71-3**=Peach Dichroic **F72-3**= Amber Dichroic **F73-3**= Green Dichroic **F74-3**= Medium Blue **F75-3**= Yellow Dichroic **F76-3**= Red Dichroic **F77-3**=Dark Blue Dichroic **F78-3**= Light Blue Dichroic **F79-3**= Neutral Density Dichroic **F80-3**=Magenta Dichroic **F22-3**= Red Color **F33-3**= Blue Color **F44-3**=Green Color **F55-3**= Yellow Color **F66-3**= Mercury Color	**LSL-3**=Linear Spread Lens **DIF-3**=Diffused Lens **OSL-3**=Overall Spread Lens	**LVR-3**=45° Hex Cell Louver	**LLR-S-3-4=**15° Spot **LLR-M-3-4=** 25° Medium **LLR-F-3-4=** 36° Flood **LLR-W-3-4=** 60° Wide Flood **LLR-K-3-4=** Spot, Medium, Flood, Wide Flood Optic Kit
Notes (7) Only available for LEDCR (8) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.				

Product Specifications

Construction
- Housing, hood and mounting stem are precision-machined from corrosion resistant billet stock 6061-T6 aluminum.
- Housing and hood are sealed with a high temperature silicone O-ring gasket to prevent water intrusion.
- Tempered glass lens, factory sealed with high temperature silicone O-ring to prevent water intrusion and breakage due to thermal stock.
- Stainless steel hardware is standard to provide maximum corrosion resistance.

Hood
- Hood removes to allow for field-swapping of optics
- Hood is removable and accepts up to two internal accessories at once (lenses, louvers and filters) to achieve multiple lighting effects.
- Weep hole prevents water and mineral stains from collecting on the lens, even in the straight up position.
- The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.

Finish
- Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS complaint chemical film undercoating and polyester powder coat paint finish
- A variety of standard colors are available. Custom colors are available via ETO. Additional charges and lead time will apply.

Mounting
- Options for integral and remote mounted drivers
- Round Surface Mount (RSM) is utilizes an aluminum housing to create an IP66 compartment for the drivers
- Wall Integral Square (WIS) provides a more minimalist aesthetic and requires the fixture to mount a 4 inch square junction box to allow driver fitment directly behind the fixture
- Remote mounted drivers can be up to 60 feet away from the light fixture

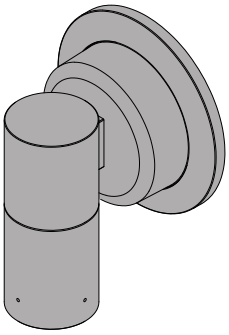
Electrical
- Long life LED system coupled with electronic driver (120-277V/50-60Hz) is compatible with TRIAC (Leading Edge Dimming), ELV (Trailing Edge Dimming) and 0-10V dimming to deliver optical performance. Light can be dimmed from 100-1% while maintaining constant CCT.
- Multiple CCT and CRI options available including four premium 97CRI options
- 87% lumen maintenance at 60,000hrs
- Surge protection is incorporated in the LED driver

Compliance
- cULus Wet Location listed for use in -30° to 50° ambient environments unless otherwise noted
- Tested according to IESNA LM-79 and LM-80 procedures
- ROHS compliant.
- IP66 Rated.
- BAA domestic preference option meets BAA requirements
- BABA domestic preference option meets BABA requirements. BABA products meet minimum government compliance requirements for Buy America Build America standard, part of the Infrastructure and Investment Jobs Act (IIJA). Individual government agencies may have more stringent compliance standards
- See DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information

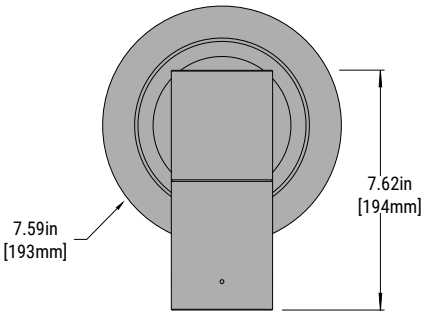
Warranty
- Five-year limited warranty. Consult website for details: www.cooperlighting.com/legal

Mountings

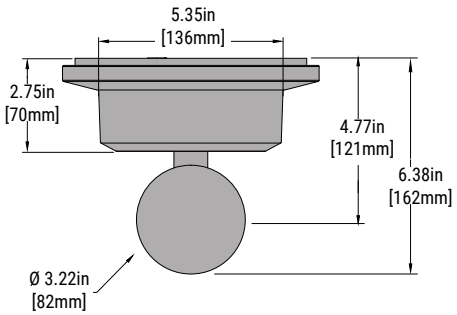
ROUND SURFACE MOUNT (RSM)
RSM-W1



ISO VIEW

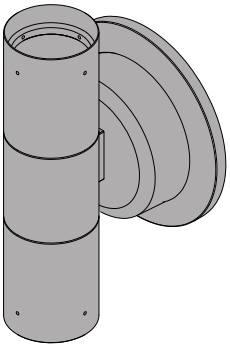


FRONT VIEW

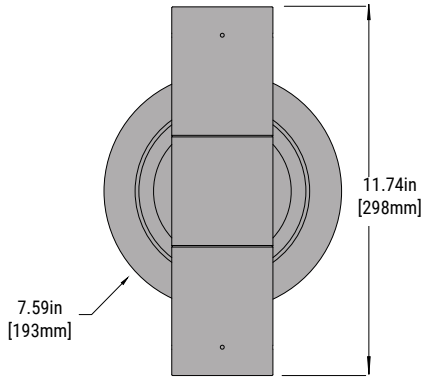


TOP VIEW

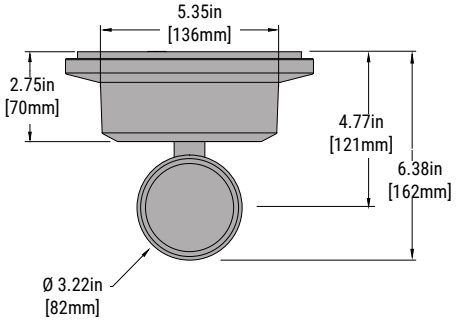
ROUND SURFACE MOUNT (RSM)
RSM-W2



ISO VIEW

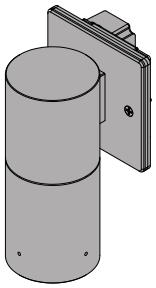


FRONT VIEW



TOP VIEW

WALL INTEGRAL DRIVER SQUARE PLATE (WIS)
WIS-W1
Requires mounting to a 4" square junction box with a minimum depth of 2-1/8"



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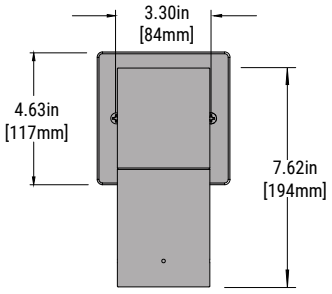
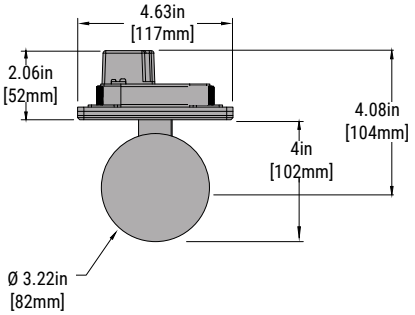


FRONT VIEW



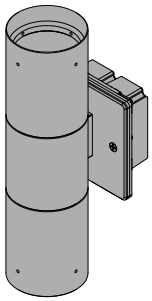
TOP VIEW

Mountings

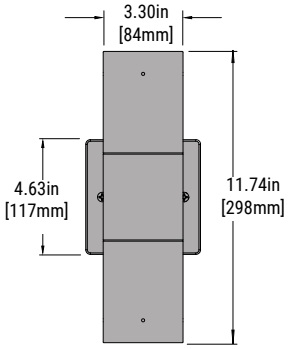
WALL INTEGRAL DRIVER SQUARE PLATE (WIS)

WIS-W2

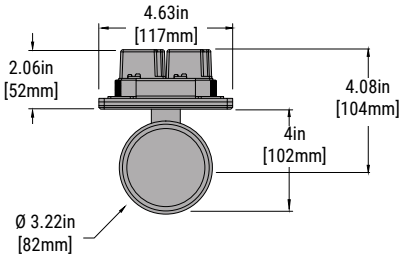
Requires mounting to a 4" square junction box with a minimum depth of 2-1/8"



ISO VIEW



FRONT VIEW

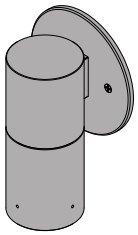


TOP VIEW

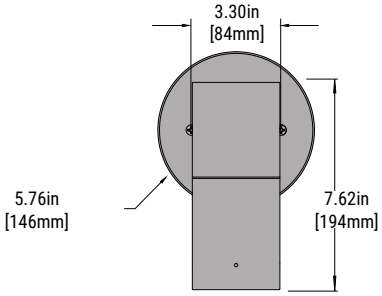
ROUND WALL PLATE WITH REMOTE DRIVER

WRR-W1 Round wall plate, as shown

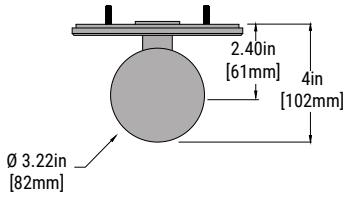
WRS-W1 Square wall plate, also available



ISO VIEW



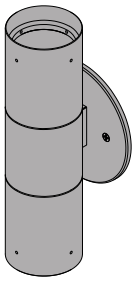
FRONT VIEW



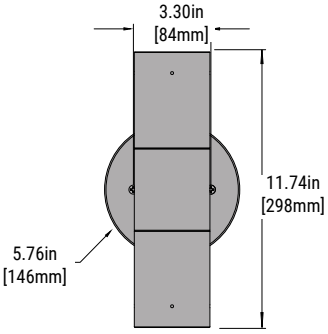
TOP VIEW

WRR-W2 Round wall plate, as shown

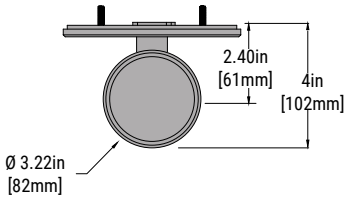
WRS-W2 Square wall plate, also available



ISO VIEW



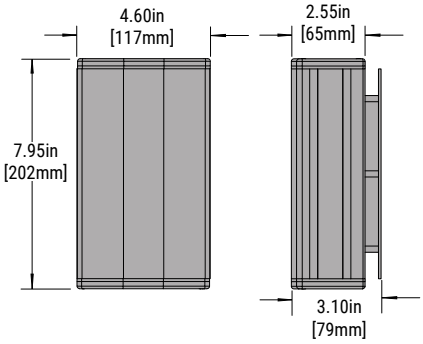
FRONT VIEW



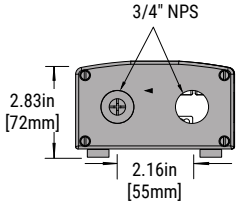
TOP VIEW

REMOTE BOX (Included with WRR and WRS)

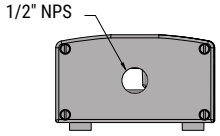
Remote Driver distance up to 60',



FRONT VIEW SIDE VIEW



BOTTOM VIEW



TOP VIEW

Lumen Table

		9003-[W1] Regressed Hood - Black					
		L1 - 10 W			L2 - 20 W		
		CBCP	Lumens	LPW	CBCP	Lumens	LPW
S Spot 15°	LED2790	5324	621	63.4	9818	1145	57.0
	LED3090	5632	657	67.0	10386	1212	60.3
	LED3590	5705	666	67.9	10520	1227	61.1
	LED4080	7057	823	84.0	13014	1518	75.5
	LED5080	7331	855	87.3	13519	1577	78.5
	LED2797	4935	576	58.7	9100	1062	52.8
	LED3097	4981	581	59.3	9186	1072	53.3
	LED3597	5650	659	67.3	10419	1216	60.5
	LED4097	5596	653	66.6	10319	1204	59.9
M Medium Flood 25°	LED2790	2829	590	60.2	5218	1088	54.1
	LED3090	2993	624	63.7	5519	1151	57.3
	LED3590	3032	632	64.5	5590	1166	58.0
	LED4080	3750	782	79.8	6916	1442	71.8
	LED5080	3896	813	82.9	7185	1498	74.6
	LED2797	2622	547	55.8	4836	1009	50.2
	LED3097	2647	552	56.3	4882	1018	50.7
	LED3597	3003	626	63.9	5537	1155	57.5
	LED4097	2974	620	63.3	5484	1144	56.9
F Flood 36°	LED2790	1943	666	68.0	3584	1229	61.1
	LED3090	2056	705	71.9	3791	1300	64.7
	LED3590	2082	714	72.9	3840	1317	65.5
	LED4080	2576	883	90.1	4750	1629	81.0
	LED5080	2676	918	93.6	4934	1692	84.2
	LED2797	999	560	57.1	1842	1032	51.4
	LED3097	1818	623	63.6	3353	1150	57.2
	LED3597	2062	707	72.2	3803	1304	64.9
	LED4097	2042	700	71.5	3766	1292	64.3
W Wide Flood 60°	LED2790	999	560	57.1	1842	1032	51.4
	LED3090	1057	592	60.4	1949	1092	54.3
	LED3590	1070	600	61.2	1974	1106	55.0
	LED4080	1324	742	75.7	2442	1368	68.1
	LED5080	1376	771	78.7	2537	1421	70.7
	LED2797	926	519	52.9	1708	957	47.6
	LED3097	935	524	53.4	1724	966	48.0
	LED3597	1060	594	60.6	1955	1095	54.5
	LED4097	1050	588	60.0	1936	1085	54.0

TM30 Data

	CCT/CRI	Rf	Rg	Ra	R9
9003	**2790**	90.9	98.9	91.7	58.3
	3090	90.8	99.1	92.5	62.6
	3590	90.6	100.4	92.7	67.5
	4080	82.5	94.3	83.1	11.4
	5080	81.6	94.1	82.0	6.0
	2797	94.9	100.0	98.1	86.9
	3097	94.0	100.3	97.8	88.9
	3597	92.9	99.3	97.2	89.1
	4097	91.5	98.7	95.4	84.0

Lumen maintenance

Ambient Tempurature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C, 40°C, 50°C	> 87%	> 102,000

Power Table

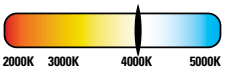
Number of Heads	Light Level	Input Current (A) at 120 VAC	Input Current (A) at 277 VAC	Input Power (W)
W1	L1	0.080	0.030	10.0
	L2	0.177	0.088	20.9
W2	L1	0.160	0.060	20.0
	L2	0.354	0.176	41.9

Photometrics

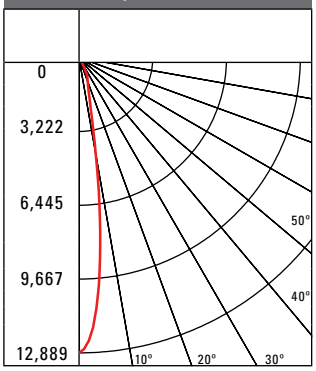
Test Number	P29476
Lumcat	9003-[W1]-X-FL-LED4080-S-BK-L2-UNV
Lumens	1700 Lm
Watts	20.1 W
LPW	84.6 Lm/W
CCT	4000K
SC (0/90/45)	0.27 / 0.27 / 0.27
Beam Angle	16°

Color metric summary

TM-30-15	Rf = 82.5
	Rg = 94.3
CRI/CIE	Ra = 83.1
	R9 = 11.4



Candle power distribution



Cone of light

Horizontal Illuminance on Floor			
MH	FC	L	W
2'	3222.2	0.4	0.4
4'	805.6	1	1
6'	358	1.6	1.6
8'	201.4	2	2
10'	128.9	2.6	2.6
15'	57.3	4	4
20'	32.2	5.4	5.4
30'	14.3	8.2	8.2
40'	8.1	10.8	10.8

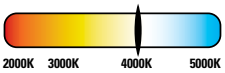
Candela table

Angle	0-deg
0	12889
5	9969
10	4210
15	1746
20	1126
30	298
40	22
50	6
60	5
70	3
80	1
90	0

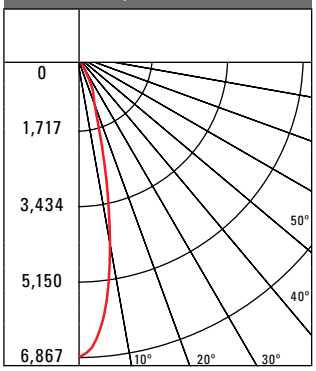
Test Number	29477
Lumcat	9003-[W1]-X-FL-LED4080-M-BK-L2-UNV
Lumens	1623 Lm
Watts	20.1 W
LPW	80.8 Lm/W
CCT	4000K
SC (0/90/45)	0.41 / 0.41 / 0.41
Beam Angle	24.1°

Color metric summary

TM-30-15	Rf = 82.5
	Rg = 94.3
CRI/CIE	Ra = 83.1
	R9 = 11.4



Candle power distribution



Cone of light

Horizontal Illuminance on Floor			
MH	FC	L	W
2'	1716.8	0.8	0.8
4'	429.2	1.6	1.6
6'	190.8	2.4	2.4
8'	107.3	3.2	3.2
10'	68.7	4	4
15'	30.5	6	6
20'	17.2	8	8
30'	7.6	12.2	12.2
40'	4.3	16.2	16.2

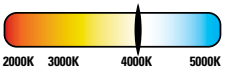
Candela table

Angle	0-deg
0	6867
5	6216
10	4343
15	2302
20	1191
30	326
40	29
50	9
60	5
70	3
80	1
90	0

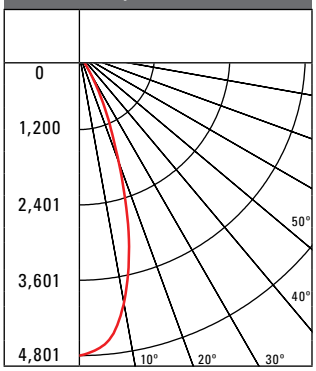
Test Number	P29478
Lumcat	9003-[W1]-X-FL-LED4080-F-BK-L2-UNV
Lumens	1787 Lm
Watts	20.1W
LPW	88.9 Lm/W
CCT	4000K
SC (0/90/45)	0.59 / 0.59 / 0.56
Beam Angle	35.4°

Color metric summary

TM-30-15	Rf = 82.5
	Rg = 94.3
CRI/CIE	Ra = 83.1
	R9 = 11.4



Candle power distribution



Cone of light

Horizontal Illuminance on Floor			
MH	FC	L	W
2'	1200.2	1	1
4'	300.1	2.2	2.2
6'	133.4	3.4	3.4
8'	75	4.6	4.6
10'	48	5.8	5.8
15'	21.3	8.8	8.8
20'	12	11.6	11.6
30'	5.3	17.6	17.6
40'	3	23.4	23.4

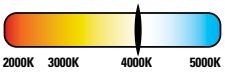
Candela table

Angle	0-deg
0	4801
5	4641
10	4056
15	3055
20	1850
30	365
40	27
50	6
60	3
70	2
80	1
90	0

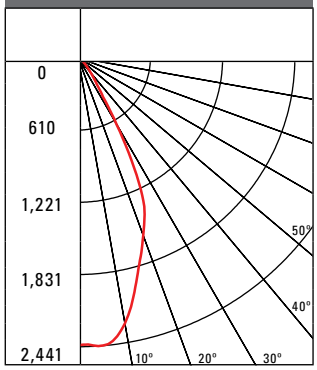
Test Number	P29479
Lumcat	9003-[W1]-X-FL-LED4080-W-BK-L2-UNV
Lumens	1630 Lm
Watts	20.1 W
LPW	81.1 Lm/W
CCT	4000K
SC (0/90/45)	0.79 / 0.79 / 0.76
Beam Angle	51.1°

Color metric summary

TM-30-15	Rf = 82.5
	Rg = 94.3
CRI/CIE	Ra = 83.1
	R9 = 11.4



Candle power distribution



Cone of light

Horizontal Illuminance on Floor			
MH	FC	L	W
2'	607.5	1.4	1.4
4'	151.9	3	3
6'	67.5	4.6	4.6
8'	38	6.2	6.2
10'	24.3	7.8	7.8
15'	10.8	11.8	11.8
20'	6.1	15.8	15.8
30'	2.7	23.6	23.6
40'	1.5	31.6	31.6

Candela table

Angle	0-deg
0	2430
5	2439
10	2278
15	1922
20	1605
30	653
40	168
50	65
60	6
70	4
80	1
90	0

CCT/CRI	LED2790	LED3090	LED3590	LED4080	LED5080	LED2797	LED3097	LED3597	LED4097
FC Multiplier	0.754	0.798	0.808	1.000	1.039	0.699	0.706	0.801	0.793

Light Level	L1	L2
FC Multiplier	0.542	1.000

Note: Photometric tables show lumen output for W1 only. For W2 (Up and Down) option, uplight and downlight both match lumen output as W1.

Integrated Sensor - SVPD2

The Lanterra Cylinder 9003 with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The Lanterra Cylinder 9003 delivers superior lighting with integrated PIR occupancy sensing and daylighting controls.
Capture the benefits of traditional lighting controls, without complicated circuit planning or special wiring. The Lanterra Cylinder 9003 delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

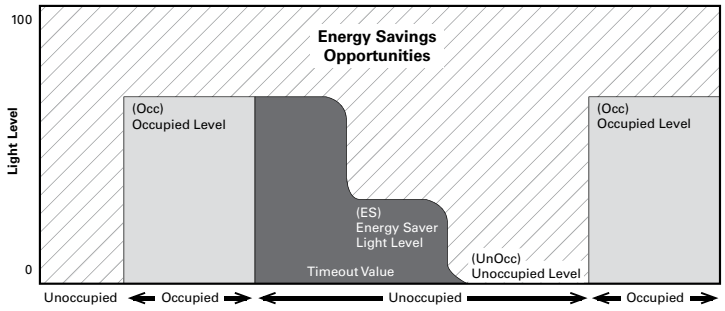
The SVPD2 sensor is configured for outdoor use, so the integral daylight sensor will enable the luminaire to automatically adjust to daylight conditions by turning off when sufficient sunlight is present. Consult factory for indoor configuration.

Occupied light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH01LUM). While the default unoccupied level is OFF, a lower light level can be saved instead using the programming remote. The integrated sensor personal remote (Catalog Number: ISHH02LUM)
provides code compliant manual raise, lower, ON, OFF control.

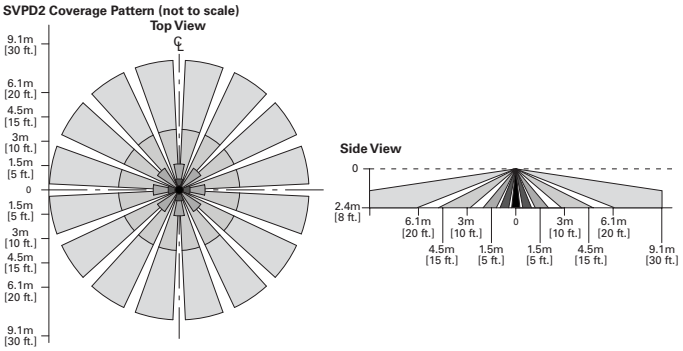
The Lanterra Cylinder 9003 with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

How it works

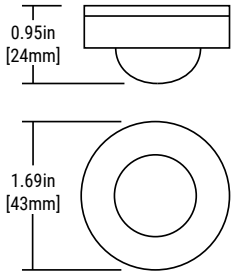
- As the user enters the space controlled by the integral sensor, the lighting turns ON to the occupied light level.
- Lighting will remain at the occupied level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied level). This adjustable light level is often set to half of the occupied daylight level using the programming remote.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.
- If sufficient sunlight is present, the luminaire will remain OFF, regardless of occupancy.



Coverage



Sensor Dimensions



Optional Remote Controls

ISHH01LUM Programming Remote

ISHH02LUM Personal Control Remote

Specifications and dimensions subject to change without notice.

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