

FEATURES

- -5° to +10° tilt adjustment
- High performance optics deliver up to 16,000 lumens
- up or down mountable without modification
- Programmable occupancy sensor (dimming)
- NX and SiteSync wireless controls
- 130+ lumens per watt
- UL/cUL listed for wet locations, IP66 Listed.



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Optical housing is a one-piece, die-cast low copper (<0.6%) aluminum alloy with integral heat sink. The housing rotates against mounting arm housing to provide -5° to 10° of adjustment with degree markers label. At 0° adjustment, lens is totally concealed from view above horizontal with fixture mounted in the downward position.
- Mounting arm housing is one-piece die-cast, low copper (<0.6%) aluminum alloy with provisions for tilt mechanism. Mounting arm fastens to the mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on the tilt mechanism frees the optical housing to rotate for aiming. Tightening the screws locks the housing and lens frame together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.
- Lens Frame is a one-piece, die-cast low copper (<0.6%) aluminum alloy with integral cooling fins to dissipate driver thermal.
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat
- Bracketry and hardware shall be stainless steel

OPTICS

- LEDs mount to a metal printed circuit board assembly (MCPCB).
- Optical lenses are clear injection molded PMMA acrylic.
- Secondary lens is impact resistant 1/8" tempered glass with anti-reflective coating.

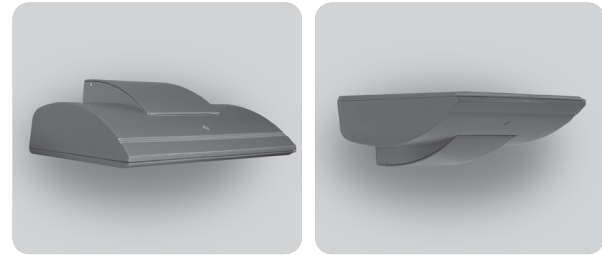
INSTALLATION

- Junction box (by Others): Standard with steel, quick-mount junction box plate that mounts directly to 4" J-Box.
- Mounting plate is stainless steel and features a one-piece EPDM gasket on back side of plate to firmly seal fixture to wall surface, forbidding entry of moisture and particulates.
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

SERVICING

- Housing should hang freely in an open service position for inspection of primary wire connections. Once in service position, the housing can be removed for service by sliding the assembly to the left (for down mounting) or to the right (for up mounting) and disconnecting the wiring plugs.
- Driver assembly shall be mounted to a prewired internal tray with quick disconnects for removal.

Wall Director Medium



Wall Director

RELATED PRODUCTS

[Wall Director Small](#)

ELECTRICAL

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed.
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories listed.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components.
- Drivers have a greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments.
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Modular wiring harness in the service area provides user access to the dimming circuitry.

(Specifications continued on page 3)

KEY DATA	
Lumen Range	5,950–16,000
Wattage Range	54–131
Efficacy Range (LPW)	97–145
Reported Life (Hours)	L70/60,000
Weight	35 lbs/15.87 kg

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

ORDERING GUIDE

Example: WDM-D-48L-55-3K7-1-UNV-BLS-PC-EM-SWUSB

CATALOG #

HOUSING

WDM		Mounting		Source		Wattage		Light Engine		Distribution	
WDM	WallDirector Medium	D	Down	48L	48 LEDs	55	55 Watts, 6000 lm	AM⁶	Monochromatic Amber	1	Type I
		U¹	Up			65	65 Watts, 8000 lm	3K7	3000K/70CRI	2	Type II
						85	85 Watts, 10000 lm	3K8	3000K/80CRI	3	Type III
						105	105 Watts, 12000 lm	4K7	4000K/70CRI	4W	Type IV Wide
						130	130 Watts, 14000 lm	4K8	4000K/80CRI	4F	Type IV Forward
								5K7	5000K/70CRI	WG²	Wall Graze
								SP	Spot/Column		
										FTD²	Forward Throw Diffuse
										WTD²	Wide Throw Diffuse

Voltage		Fixture Finish		Control Options		Options		Control Accessories	
UNV ³ 347 ³ 480 ³	120-277V 347V 480V	BLS	Black Gloss Smooth	PC³	Button Photocell	EM³	Integral Battery Backup Unit (8W)	SCPREMOTE	SCP configuration tool
		BLT	Black Matte Textured	SCP-8F^{3,4,5,9}	Programmable Occ. Sensor (<9' height)	SF	Single Fuse & Fuse holder	SWUSB	SiteSync Software on USB
		DBS	Dark Bronze Gloss Smooth	SCP-20F^{3,4,5,9}	Programmable Occ. Sensor (<9' - 20' height)	DF	Double Fuse & Fuse holder	SWTAB	SiteSync Windows® Tablet
		DBT	Dark Bronze Matte Textured	SWP^{3,4,5}	SiteSync Wireless Pre-Commission	SCM1	1/2" Surface Conduit Mount	SWBRG	SiteSync Software Bridge Node
		GTT	Graphite Matte Textured	SWPM-8F^{3,4,5,7}	SiteSync Wireless w/ Occupancy Sensor Pre-Commission (<9' height)	SCM2	3/4" Surface Conduit Mount		
		LGS	Light Grey Gloss Smooth	SWPM-20F^{3,4,5,7}	SiteSync Wireless w/ Occupancy Sensor Pre-Commission (<9' - 20' height)				
		LGT	Light Grey Matte Textured	2DR	Dual Drivers				
		PSS	Platinum Silver Gloss Smooth	2PF	Dual Power Feeds				
		VGT	Verde Green Matte Textured	NXSPW14F^{1,4}	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'				
		WHS	White Gloss Smooth	NXSP14F^{1,4}	NX PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'				
		WHT	White Matte Textured	NXWE^{4,5}	NX Wireless Enabled				
		Color Option							
		CC⁸	Custom Color						

- Notes:
- 1 Not available with EM option or with SCP, SWPM, NXSPW14 and NXSP14F sensor options.
 - 2 WG, FTD, and WTD come with a diffused lens
 - 3 Not available with other control options
 - 4 Input voltage 120-347V
 - 5 Not available in 480V
 - 6 Turtle friendly
 - 7 Specify group and zone at time of order. See www.hubbellighting.com/sitesync for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
 - 8 Consult factory for custom color, marine and corrosive finish options
 - 9 SCPREMOTE SCP configuration tool needed

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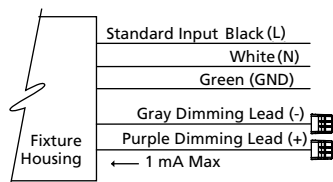
SPECIFICATIONS (CONTINUED)

ELECTRICAL (CONTINUED)

- Optional factory programmed dimming profile.
- Surge protection: 10,000k in parallel, 20,000k in series.
- Wiring: No. 18AWM rated 90°C, wet rating.

DIMMING

- Dimming range from 100% to 10% through the use of the standard 0-10V interface on the programmable driver.



- Modular wiring harness in the service area provides user access to the dimming circuitry.
- Dimming circuitry compatible with 0-10V, user-defined control devices.
- Optional factory programmed dimming profile.

BUTTON PHOTOCELL

- Optional universal voltage (120-277V) button photocontrol for dusk to dawn energy savings. Photocontrol is factory installed inside the housing with a fully gasketed sensor on the side wall. For multiple fixture mountings, one fixture is supplied with a photocell to operate the others.

WIRELESS CONTROLS SITESYNC™

- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbellighting.com/products/sitesync for more details.

NX DISTRIBUTED INTELLIGENCE™

- Hubbell Control Solutions' NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of reliability, scalability and simplicity

OPTIONAL FUSING:

- SF for 120, 277, and 347 Line volts
- DF for 208, 240, and 480 Line volts
- High temperature fuse holders factory installed inside the fixture housing.
- Fuse is included.

OPTIONAL BACKUP BATTERY

- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments.

CAUTION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

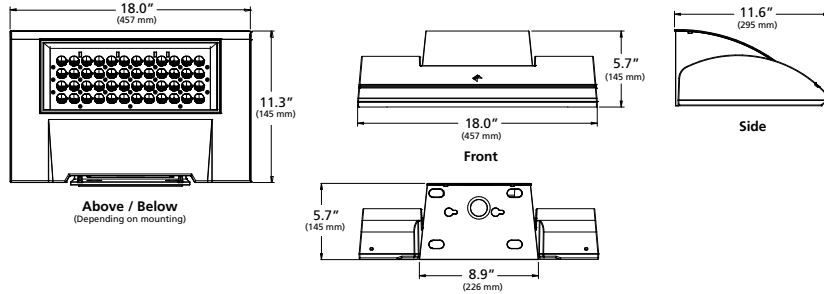
CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- IEC 66262 Mechanical Impact Code IK08
- IP66 certified
- RoHS compliant
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/06/2020. [See Buy American Solutions.](#)

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information
- PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.HubbellLighting.com/products/sitesync or contact Hubbell Lighting tech support at (800) 345-4928

DIMENSIONS



Weight: 35 lbs

CRI Lumen Multiplier			Amber Multiplier	
CCT	80 CRI	90 CRI	CCT	Multiplier
3000K	0.9119	0.7033	5000K	1
4000K	0.8941	N/A	AM	0.1727

DELIVERED LUMENS

LEDs #	Drive Current	Lumens Package	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	
							B	U	G			B	U	G			B	U	G		
48L	350mA	6,000	55	Clear	1	7162	1	0	1	132	7342	1	0	1	135	7426	1	0	1	137	
					2	6782	1	0	1	125	6953	1	0	1	128	7032	1	0	1	130	
					3	6896	1	0	2	127	7070	1	0	2	130	7151	1	0	2	132	
					4F	6766	1	0	2	125	6937	1	0	2	128	7016	1	0	2	129	
					4W	6802	1	0	2	125	6973	1	0	2	128	7053	1	0	2	130	
					SP	7594	4	0	1	140	7785	4	0	1	143	7874	4	0	1	145	
					Diffused	WG	6576	3	0	1	121	6741	3	0	1	124	6818	3	0	1	126
						FTD	5950	2	0	1	110	6100	2	0	1	112	6170	2	0	1	114
	WTD	6439	2	0	1	119	6601	2	0	1	122	6677	2	0	1	123					
	425mA	8,000	65	Clear	1	8775	1	0	1	129	8996	1	0	1	132	9099	1	0	1	134	
					2	8309	1	0	2	122	8518	1	0	2	125	8616	1	0	2	127	
					3	8450	1	0	2	124	8662	1	0	2	127	8761	1	0	2	129	
					4F	8290	1	0	2	122	8499	1	0	2	125	8596	1	0	2	126	
					4W	8334	1	0	2	123	8544	1	0	2	126	8641	1	0	2	127	
SP					9304	4	0	1	137	9538	4	0	1	140	9647	4	0	1	142		
Diffused					WG	8057	3	0	1	118	8260	3	0	1	121	8354	3	0	1	123	
					FTD	7290	2	0	2	107	7474	2	0	2	110	7559	2	0	2	111	
WTD	7890	2	0	1	116	8088	2	0	1	119	8181	2	0	1	120						

DELIVERED LUMENS (CONTINUED)

LEDs #	Drive Current	Lumens Package	Nominal Watts	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
48L	550mA	10,000	85	Clear	1	11194	1	0	1	127	11476	1	0	1	130	11607	1	0	1	132
					2	10601	2	0	2	120	10867	2	0	2	123	10991	2	0	2	125
					3	10779	1	0	2	122	11050	1	0	2	126	11177	1	0	2	127
					4F	10576	1	0	2	120	10842	1	0	2	123	10966	1	0	2	125
					4W	10632	1	0	2	121	10899	2	0	2	124	11024	2	0	2	125
					SP	11870	5	0	1	135	12168	5	0	1	138	12308	5	0	1	140
				Diffused	WG	10279	3	0	1	117	10537	3	0	1	120	10658	3	0	1	121
					FTD	9300	2	0	2	106	9534	2	0	2	108	9643	2	0	2	110
					WTD	10065	2	0	2	114	10318	2	0	2	117	10436	2	0	2	119
	650mA	12,000	105	Clear	1	12808	1	0	1	124	13130	1	0	1	127	13280	1	0	1	128
					2	12128	2	0	2	117	12433	2	0	2	120	12575	2	0	2	121
					3	12333	1	0	2	119	12643	2	0	2	122	12787	2	0	2	123
					4F	12100	2	0	2	117	12405	2	0	2	120	12547	2	0	2	121
					4W	12163	2	0	3	117	12469	2	0	3	120	12612	2	0	3	122
					SP	13580	5	0	1	131	13922	5	0	1	134	14081	5	0	1	136
				Diffused	WG	11760	3	0	1	113	12056	3	0	1	116	12193	3	0	1	118
					FTD	10641	2	0	2	103	10908	2	0	2	105	11033	3	0	2	106
					WTD	11515	2	0	2	111	11805	2	0	2	114	11940	2	0	2	115
	800mA	14,000	130	Clear	1	15227	2	0	1	117	15610	2	0	1	120	15789	2	0	1	121
					2	14419	2	0	2	110	14782	2	0	2	113	14951	2	0	2	114
					3	14662	2	0	3	112	15031	2	0	3	115	15203	2	0	3	116
					4F	14386	2	0	2	110	14748	2	0	3	113	14917	2	0	3	114
					4W	14462	2	0	3	111	14826	2	0	3	114	14995	2	0	3	115
					SP	16146	5	0	1	124	16552	5	0	1	127	16741	5	0	1	128
Diffused				WG	13981	3	0	2	107	14333	3	0	2	110	14497	3	0	2	111	
				FTD	12651	3	0	2	97	12969	3	0	2	99	13117	3	0	2	100	
				WTD	13691	3	0	2	105	14035	3	0	2	107	14196	3	0	2	109	

WDM

WALL MOUNTED

PHOTOMETRY

WDM-D-48L-130-4K7-1

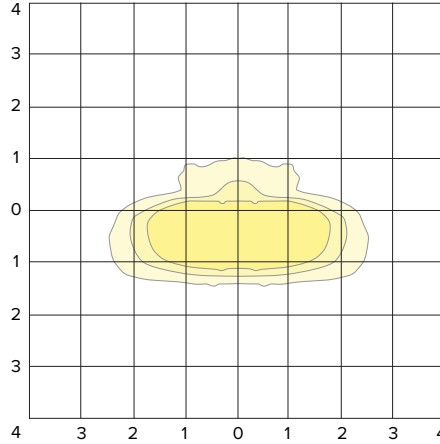
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	15610
Watts	131
Efficacy	119.2
IES Type	I
BUG Rating	B2-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	13607	87.2%
Downward House Side	2003	12.8%
Downward Total	15610	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	15610	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-2

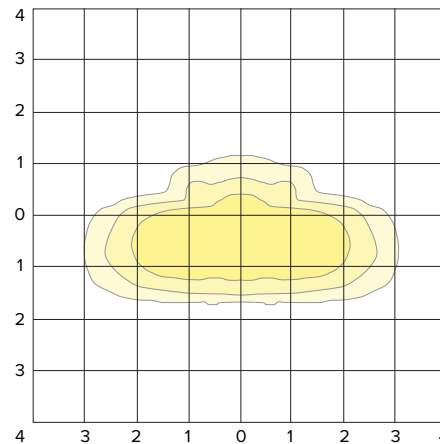
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14782
Watts	131
Efficacy	112.8
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	11861	80.2%
Downward House Side	2921	19.8%
Downward Total	14782	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	14782	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-3

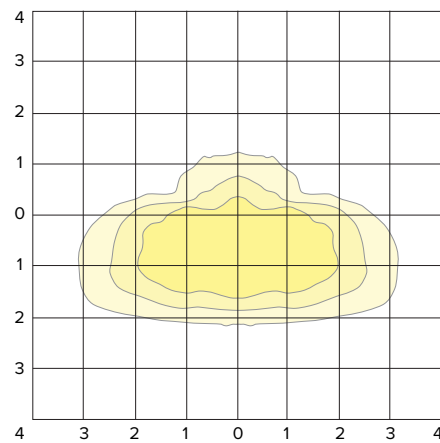
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	15031
Watts	131
Efficacy	114.7
IES Type	III
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12414	82.6%
Downward House Side	2617	17.4%
Downward Total	15031	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	15031	100%

ISOFOOT CANDLE PLOT



WDM

WALL MOUNTED

PHOTOMETRY

WDM-D-48L-130-4K7-4F

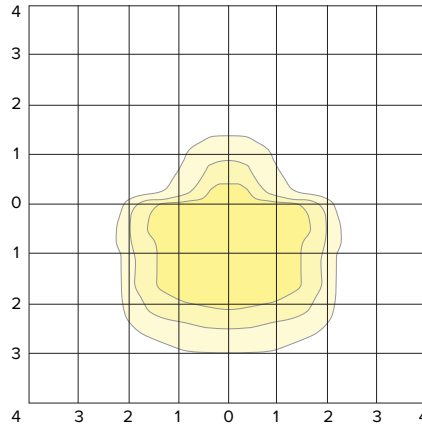
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14747
Watts	131
Efficacy	112.6
IES Type	IV
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12444	84.4%
Downward House Side	2303	15.6%
Downward Total	14747	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	14747	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-4W

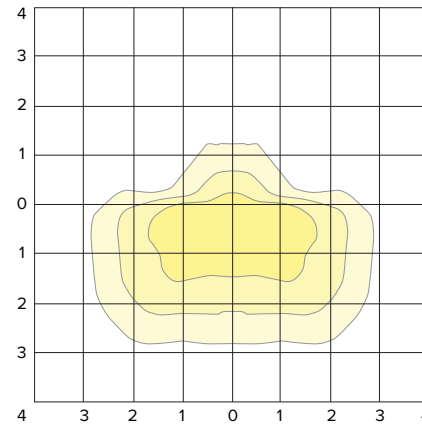
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14826
Watts	131
Efficacy	113.2
IES Type	IV
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12625	85.2%
Downward House Side	2201	14.8%
Downward Total	14826	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	14826	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-FTD

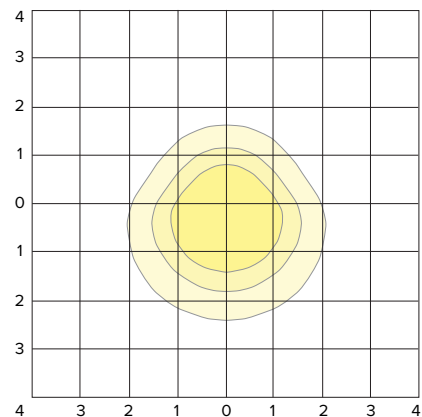
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	12968
Watts	131
Efficacy	99.0
IES Type	IV
BUG Rating	B3-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8709	67.2%
Downward House Side	4259	32.8%
Downward Total	12968	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	12968	100%

ISOFOOT CANDLE PLOT



WDM

WALL MOUNTED

PHOTOMETRY

WDM-D-48L-130-4K7-SP

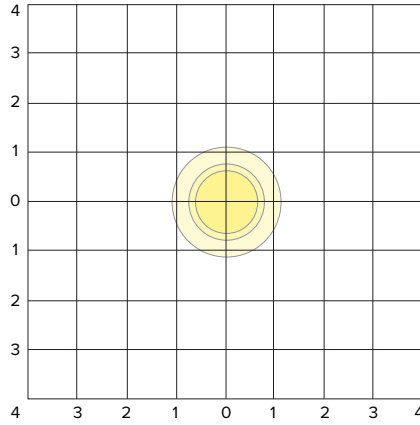
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	16550
Watts	131
Efficacy	126.3
IES Type	VS
BUG Rating	B5-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8275	50.0%
Downward House Side	8275	50.0%
Downward Total	16550	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16550	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-WG

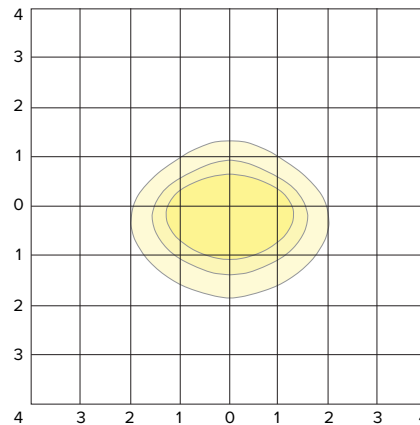
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14333
Watts	131
Efficacy	109.4
IES Type	I
BUG Rating	B3-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	9242	64.5%
Downward House Side	5091	35.5%
Downward Total	14333	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	14333	100%

ISOFOOT CANDLE PLOT



WDM-D-48L-130-4K7-WTD

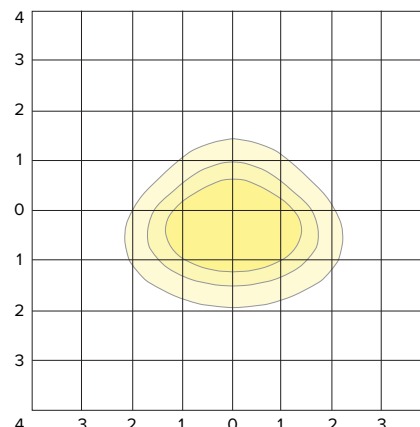
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14034
Watts	131
Efficacy	107.1
IES Type	II
BUG Rating	B3-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

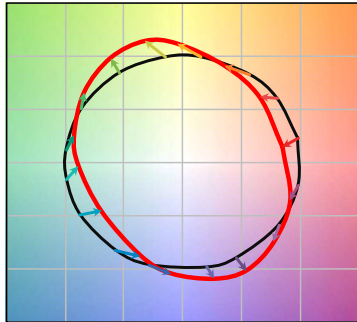
Zone	Lumens	% Luminaire
Downward Street Side	10105	72.0%
Downward House Side	3929	28.0%
Downward Total	14034	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	14034	100%

ISOFOOT CANDLE PLOT



TM-30 DATA

COLOR VECTOR GRAPHIC

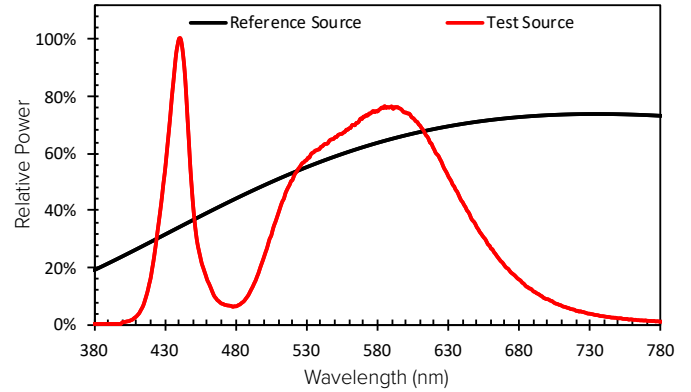


— Reference Illuminant — Test Source

TEST SOURCE

R _f	68
R _a	99
CCT(K)	3947
D _{uv}	0.0004
x	0.3831
y	0.3793
CIE R _a	72

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

Drive Current	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Dimming			
				Source current out of 0-10V		Absolute voltage range on 0-10V (+)										
		VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
350mA	54	120-480	50/60	0.45	0.26	0.23	0.19	0.16	0.11	>0.9	20	10% to 100%	0mA	1mA	0V	10V
425mA	68			0.53	0.31	0.27	0.23	0.18	0.13							
550mA	88			0.70	0.40	0.35	0.30	0.24	0.18							
650mA	104			0.84	0.49	0.42	0.36	0.29	0.21							
800mA	131			1.09	0.63	0.55	0.47	0.38	0.27							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	97%	96%	94%	88%	60khrs
40°C / 104°F	100%	94%	92%	90%	82%	

CRI Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
3000K	1	0.9119	0.7033
4000K	1	0.8941	0.734
5000K	1	0.879	0.7712

Amber Multiplier	
CCT	Multiplier
5000K	1
AM	0.1727

2700K Multiplier	
CCT	Multiplier
5000K	1
2700K	0.897