SECURITY LIGHTING™

KIM LIGHTING

WDM

Wall Director® Medium sl_kl_wdm_spec.pdf

JOB _____ TYPE _____

NOTES _____ APPROVALS _____

FEATURES

- -5° to +10° tilt adjustment
- High performance optics deliver up to 15,000 lumens
- up or down mountable without modification
- Diffused lens option
- Programmable occupancy sensor (dimming)
- NX and SiteSync wireless controls
- 130+ lumens per watt

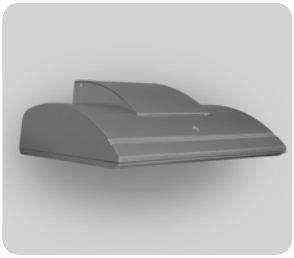
Certifications

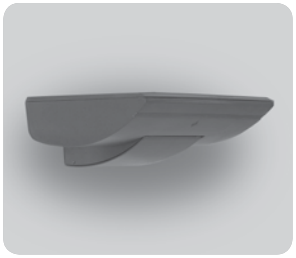
c UL us LISTED

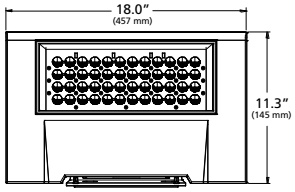
ida DARK SKY APPROVED 2016 — Downlight only, 3000K and warmer CCTs

DLC QPL LISTED

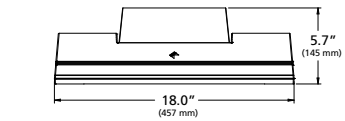
SPECIFICATIONS



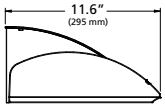




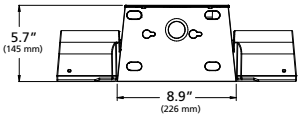
Above / Below
(Depending on mounting)



Front



Side



Weight: 35 lbs

ORDERING CODE

Fixture	Mounting	Source	Wattage	Light Engine	Distribution	Voltage	Fixture Finish
WDM Wall Director Medium	**D** Down	**48L** 48 LEDs	**55** 55 Watts	**3K7** 3000K/70CRI	**1** Type I	**UNV** 120-277V	**BL** Black
	U[1] Up		**65** 65 Watts	**3K8** 3000K/80CRI	**2** Type II	**347** 347V	**DB** Dark Bronze
			85 85 Watts	**4K7** 4000K/70CRI	**3** Type III	**480** 480V	**GT** Graphite
			105 105 Watts	**4K8** 4000K/80CRI	**4W** Type IV Wide		**LG** Light Gray
			130 130 Watts	**5K7** 5000K/70CRI	**4F** Type IV Forward		**PS** Platinum Silver
					WG[2] Wall Graze		**TT** Titanium
					SP Spot/Column		**WH** White
					FTD[2] Forward Throw Diffuse		**CC** Custom Color, consult representative
					WTD[2] Wide Throw Diffuse		

Control Options	Options	Accessories
PC Button Photocell	**EM**[3] Internal Emergency Battery Backup	**SCPREMOTE** SCP configuration tool
SCP-8F Programmable Occ. Sensor (<9' height)	**SF** Single Fuse & Fuse holder	**SWUSB** SiteSync Software on USB
SCP-20F Programmable Occ. Sensor (<9' - 20' height)	**DF** Double Fuse & Fuse holder	**SWTAB** SiteSync Windows® Tablet
SWP[3] SiteSync Wireless Pre-Commission	**2DR** Dual Drivers	**SWBRG** SiteSync Software Bridge Node
SWPM[3] SiteSync Wireless w/ Occupancy Sensor Pre-Commission	**2PF** Dual Power Feeds	
NXSPW14F[4] NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
NXSP14F[4] NX PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'		
NXWE[4] NX Wireless Enabled		

NX DISTRIBUTED™ INTELLIGENCE

[1] Not available with EM option or with SCP & SWPM sensor options.
[2] WG, FTD, and WTD come with a diffused lens.
[3] Universal voltage only (120-277)
[4] 120-347V only

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LUMINAIRE PERFORMANCE

LED #	Nominal Lumen Package	Nominal Wattage	Lens Options	Distribution	3000K					4000K					5000K				
					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	6,000	54	Clear Lens	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	6580	1	0	2	121	6746	1	0	2	124	6823	1	0	2	126
				SP	7594	4	0	1	140	7785	4	0	1	143	7874	4	0	1	145
			Diffuse Lens	WG	6842	3	0	1	126	7015	3	0	1	129	7095	3	0	1	131
				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
	8,000	68	Clear Lens	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	8062	1	0	2	119	8265	1	0	2	122	8360	1	0	2	123
				SP	9304	4	0	1	137	9538	4	0	1	140	9647	4	0	1	142
			Diffuse Lens	WG	8384	3	0	1	123	8594	3	0	1	126	8693	3	0	1	128
				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
	10,000	88	Clear Lens	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	10285	2	0	2	117	10544	2	0	2	120	10665	2	0	2	121
				SP	11870	5	0	1	135	12168	5	0	1	138	12308	5	0	1	140
			Diffuse Lens	WG	10695	3	0	1	122	10964	3	0	1	125	11090	3	0	1	126
				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
	12,000	104	Clear Lens	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	11768	2	0	2	113	12064	2	0	2	116	12201	2	0	2	118
				SP	13580	5	0	1	131	13922	5	0	1	134	14081	5	0	1	136
			Diffuse Lens	WG	12236	3	0	1	118	12544	3	0	1	121	12687	3	0	1	122
				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
	14,000	131	Clear Lens	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	13991	2	0	2	107	14343	2	0	2	110	14506	2	0	3	111
				SP	16146	5	0	1	124	16552	5	0	1	127	16741	5	0	1	128
			Diffuse Lens	WG	14548	4	0	1	111	14914	4	0	1	114	15084	4	0	1	116
				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

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LUMINAIRE PERFORMANCE

Electrical Characteristics												Dimming				
System Watts	Current	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out		Absolute voltage	
		VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
54	350mA	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
68	425mA			0.53	0.31	0.27	0.23	0.18	0.13							
88	550mA			0.70	0.40	0.35	0.30	0.24	0.18							
104	650mA			0.84	0.49	0.42	0.36	0.29	0.21							
131	800mA			1.09	0.63	0.55	0.47	0.38	0.27							

TM-21 LIFETIME CALCULATION

Projected Lumen Maintenance (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	97%	96%	94%	88%	> 60,000 hrs

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SPECIFICATIONS

Housing

- 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 cast into the housing. 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.
- Luminaire housing shall be free of any visible heat fins, hardware or fasteners.
- Bracketry and hardware shall be stainless steel.

Optical Array

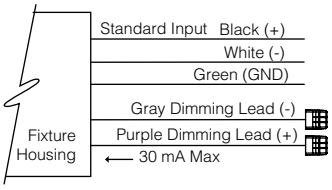
- LEDs shall be mounted to a metal printed circuit board assembly (MCPCB).
- Optical lenses shall be clear injection molded PMMA acrylic.
- Secondary lens is impact resistant 1/8" tempered glass with anti-reflective coating.

Electronic Module

- Drivers shall be in direct contact with the die-cast aluminum lens frame across the entire surface area of the widest face for maximum thermal transfer.
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components.
- Drivers shall have 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
- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J. Surge protection device shall be wired in series.
- Drivers shall be U.L recognized.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.

Dimming

- 10% to 100% dimming by the use of standard 0-10V interface driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Grey lead as the negative (-) to an available control signal (by others).



Specifications

- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array shall have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C.
- Luminaires not configured with a control system shall be provided with 0-10 purple and gray dimming leads.

Controls

- 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.
- Occupancy Sensor shall be programmable and use passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Careful consideration must be given to obstructions that may block the sensor's line of sight.
- Factory default settings for SCP option shall be: - High mode: 10V - Low mode: 1V - Ramp-up rate: disabled - Fade-down rate: disabled - Photocell: Off - Sensitivity: Full - Time Delay: Fade to low: 5 minutes - Time Delay: Fade to off: 1 hour
- The SCP enables any wall mounted luminaire, in excess of 30 watts, to meet California Title 24 requirements with integral 10KA surge protection for added reliability and serviceability. For more detail: http://www.aal.net/products/sensor_control_programmable
- SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www. hubbelllighting.com/products/sitesync for more details.
- 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

Options

- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments or -20°C with thermal jacket.

- 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.

Mounting and Installation

- JUNCTION BOX: 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.

Servicing

- Housing shall be able to hang freely in an open service position for inspection of primary wire connections. Once in service position, the housing shall be able to 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.

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- Driver assembly shall be mounted to a prewired internal tray with quick disconnects for removal. 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.

Finish:

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.
- Standard colors include (BL) Black, (DB) Dark Bronze, (GT) Graphite, (LG) Light Gray, (PS) Platinum Silver, (TT) Titanium, (WH) White, and (CC) Custom Color (Include RAL#).

Certifications and Listings

- UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.
- IDA approved, down light only, 3000K and warmer CCTs only.
- 1.5G rated
- IP65 Compliant

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.

WARRANTY:

- For full warranty see http://www.hubbelllighting.com/resources/warranty

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