Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	

McGraw-Edison

TT TopTier

Area / Site Luminaire

Product Features

Light ARchitect™

BAA

Interactive Menu

Product Certifications

3G VIB

IP66

CLASS A

RoHS COMPLIANT

CERTIFIED

5 YEAR

Quick Facts

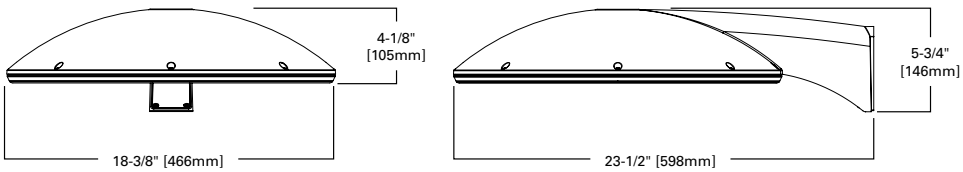
- Lumen packages range from 2,757 - 22,831
- Efficacies up to 146 lumens per watt
- Utilizes patented waveguide technology for maximum visual comfort

Connected Systems

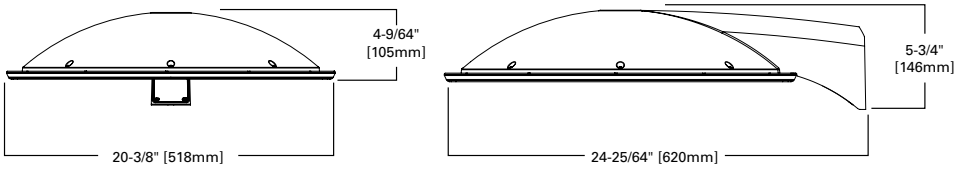
- WaveLinx Lite
- Synapse

Dimensional Details

5CQ, 5MQ, 5WQ / RW (D1-D6) / **T4** (D1-D5)



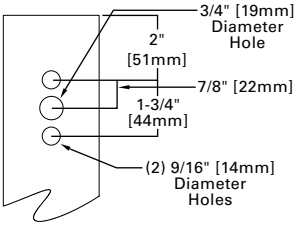
5CQ, 5MQ, 5WQ / RW (D7+) / **T4** (D6+)



Dimension Data

Size	Width	Length (with arm)	Weight (lbs.)	EPA (sq. ft.)
D1-D6	18-3/8"	23-1/2"	20.5	0.66
D7-D10	20-3/8"	24-25/64"	22.4	0.66

Type "N" Drilling Pattern



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **TT-D8-740-U-WQ-PM-DP**

Product Family	Lumen Package	Color Temperature	Voltage	Distribution	Mounting	Color
TT=TopTier **BAA-TT**=TopTier, Buy American Act Compliant Product [3] **TAA-TT**=TopTier, Trade Agreements Act Compliant [3]	**D1**=4,000 Nominal Lumens **D2**=5,500 Nominal Lumens **D3**=6,500 Nominal Lumens **D4**=8,000 Nominal Lumens **D5**=10,000 Nominal Lumens **D6**=13,000 Nominal Lumens **D7**=15,000 Nominal Lumens **D8**=18,000 Nominal Lumens **D9**=20,000 Nominal Lumens **D10**=22,000 Nominal Lumens	**735**=70 CRI, 3500K CCT **740**=70 CRI, 4000K CCT **750**=70 CRI, 5000K CCT **830**=80 CRI, 3000K CCT **AMB**=Amber 590nm [16]	**U**=120-277V **H**=347-480V [4] **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [4] **9**=347V	**5CQ**=Type 5, Concentrated **5MQ**=Type 5, Medium **5WQ**=Type 5, Wide **RW**=Rectangular Wide [5] **T4**=Type 4 [5]	**PM**=Pole Mount	**NW**=White **AP**=Gray **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic

Options (Add as Suffix)	**Accessories** (Order Separately)
F=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **CG**=Clear Glass [6] **SG**=Solite® Glass [7] **CC**=Coastal Construction **DALI**=DALI Driver [9] **BPC**=Button Type Photocontrol [17] **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [18] **MS/DIM-L08**=Dimming Occupancy Sensor (<9' Mounting) [8, 10] **MS/DIM-L20**=Dimming Occupancy Sensor (9' - 20' Mounting) [8, 10] **MS/DIM-L40**=Dimming Occupancy Sensor, 21'-40' Mounting [8, 10] **SPB1**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [8, 13] **SPB2**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [8, 13] **SPB4**=Dimming Motion and Daylight Sensor, Bluetooth Progammable, 21' - 40' Mounting [8, 13] **ZW**=WaveLinx-enabled 4-PIN Twistlock Receptacle [15] **ZD**=SR Driver-enabled 4-PIN Twistlock Receptacle [15] **ZW-WOBWH**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [8,15] **ZW-WOFWH**=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [8,15] **ZD-WOBWH**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [8,15] **ZD-WOFWH**=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [8,15] **ZW-SWPD4WH**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [8,15] **ZW-SWPD5WH**=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [8,15] **ZD-SWPD4WH**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [8,15] **ZD-SWPD5WH**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [8,15] **LWR-LW**=Enlighted Wireless Sensor, Wide Lens 8' - 16' Mounting Height [8, 11] **LWR-LN**=Enlighted Wireless Sensor, Narrow Lens 16' - 40' Mounting Height [8, 11] **DIM10-L08**=Synapse occupancy sensor (<8' Mounting) **DIM10-L20**=Synapse occupancy sensor (8'-20' Mounting)	**MA1252**=Replacement 10kV Surge Module **OA/RA1013**=Photocontrol Shorting Cap **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [10] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [12] **WOB-WH**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [8,15] **WOF-WH**=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [8,15] **SWPD4-WH**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12,14,16] **SWPD5-WH**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12,14,16]

NOTES:
1. For Design Lights Consortium qualification, refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. For 480V, not for use with ungrounded or impedance grounded systems.
5. Not available with D10 configuration.
6. Not available with 5CQ.
7. Standard with 5CQ, option available with 5WQ only.
8. Includes integral photocell.
9. Not available with H voltage. Not compatible with MS/DIM or LWR sensors.
10. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay and more.
11. Enlighted wireless sensors are factory installed only, and require network components in appropriate quantities.
12. Requires ZW or ZD receptacle.
13. Sensor configuration mobile application required for configuration. See controls page for details.
14. Cannot be used with other control options.
15. For WaveLinx applications, WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. Not required for WaveLinx Lite Commercial (LC) applications.
16. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose lumen package D1.
17. Not available with voltage options H, 8 or 9.
18. Not available if any SPB, LWR, or WaveLinx sensor is selected. Motion sensor has an integral photocell.

Product Specifications

Construction
- Low profile, two-piece die-cast aluminum housing

Optics
- Five optical distributions; three symmetrical and two assymetrical
- Patented visual comfort waveguide technology
- 10 lumen packages, ranging from 2,757 to 22,831
- IDA Certified for 3000K CCT and warmer only

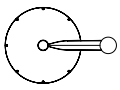
Electrical
- D1-D6: -40°C - 50°C operating temperature
- D7-D10: -40°C - 40°C operating temperature
- Greater than 90% lumen maintenance at 50,000 hours
- IP66 rated
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation
- 10kV surge module standard
- 0-10V dimming standard

Finish
- 2.5 mil nominal TGIC powder coat thickness
- Finishes include white, black, bronze, gray, dark platinum and graphite metallic
- RAL and custom color matches available
- Coastal Construction (CC) available, providing 5,000 hour salt spray rating per ASTM B117 with a scribe rating of 9 per ASTM D1654

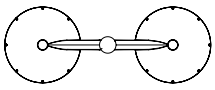
Warranty
- Five-year warranty

Mounting Configurations and EPAs

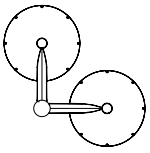
Arm Mount Single
EPA 0.66



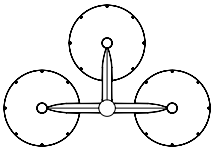
Arm Mount 2 @ 180°
EPA 1.32



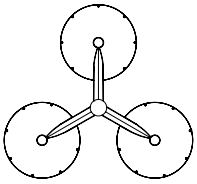
Arm Mount 2 @ 90°
EPA 0.95



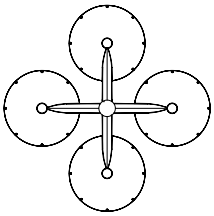
Arm Mount 3 @ 90°
EPA 1.36



Arm Mount 4 @ 90°
EPA 1.03

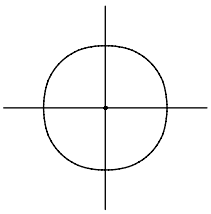


Arm Mount 4 @ 90°
EPA 1.36

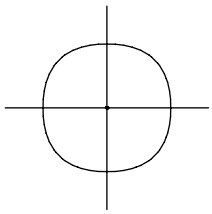


Optical Distributions

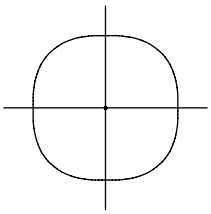
5CQ
(Type 5 Concentrated)



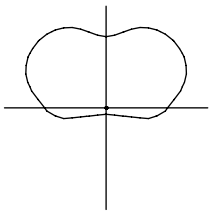
5MQ
(Type 5 Medium)



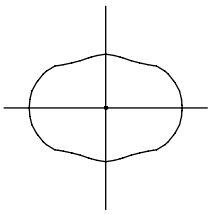
5WQ
(Type 5 Wide)



T4
(Type 4)



RW
(Rectangular Wide)



Energy and Performance Data

Lumen Maintenance

Lumen Package	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
D1-D6 (D1 - D4 DL/T4)	25°C	98.0%	95.2%	94.1%	89.8%	> 300,000
	40°C	97.9%	94.8%	93.6%	89.0%	> 290,000
	50°C	97.7%	94.5%	93.2%	88.4%	> 270,000
D7 - D10 (D5+ DL/T4)	25°C	95.8%	93.2%	92.2%	88.2%	> 300,000
	40°C	93.9%	89.7%	88.1%	81.9%	> 180,000

* Supported by IES TM-21 standards
**Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Multiplier
0°C	1.03
10C	1.02
25°C	1.00
40°C	0.98
50°C	0.97

View TopTier IES files

Energy and Performance Data

Lumen Package [1]			D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
Power (Wattage) 5CQ, 5MQ, 5WQ			28.0	39.2	47.2	57.6	74.7	105.2	124.7	148.7	173.1	193.8
Power (Wattage) RW Only			28.0	39.2	47.2	57.6	74.7	105.2	127.1	152.6	178.0	--
Power (Wattage) T4 Only				40.5	48.8	59.8	62.3	97.4	127.1	152.6	178.0	--
3000K CCT 80 CRI	**5CQ Concentrated**	**Lumens**	3,409	4,640	5,595	6,660	8,383	11,030	12,307	14,411	16,430	18,001
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2
		Lumens per Watt	122	118	119	116	112	105	99	97	95	93
	5MQ Medium	**Lumens**	3,647	4,964	5,986	7,125	8,969	11,800	12,854	15,053	17,161	18,802
		BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3
		Lumens per Watt	130	127	127	124	120	112	103	101	99	97
	5WQ Wide	**Lumens**	3,449	4,695	5,662	6,740	8,483	11,161	12,350	14,463	16,489	18,065
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3
		Lumens per Watt	123	120	120	117	114	106	99	97	95	93
	RW Rectangular Wide	**Lumens**	2,757	3,753	4,526	5,387	6,781	8,922	11,977	13,619	15,122	--
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	--
		Lumens per Watt	98	96	96	94	91	85	94	89	85	--
	T4	**Lumens**	2,959	3,985	4,762	5,622	6,537	8,771	11,834	13,337	14,768	--
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	--
		Lumens per Watt	103	98	98	94	105	90	93	87	83	--
3500K CCT 70 CRI	**5CQ Concentrated**	**Lumens**	3,618	4,925	5,940	7,070	8,899	11,708	14,944	17,500	19,951	21,858
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
		Lumens per Watt	129	126	126	123	119	111	120	118	115	113
	5MQ Medium	**Lumens**	3,872	5,270	6,355	7,564	9,520	12,527	15,609	18,279	20,839	22,831
		BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3
		Lumens per Watt	138	134	135	131	127	119	125	123	120	118
	5WQ Wide	**Lumens**	3,662	4,984	6,011	7,154	9,005	11,848	14,997	17,562	20,022	21,936
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G4
		Lumens per Watt	131	127	127	124	121	113	120	118	116	113
	RW Rectangular Wide	**Lumens**	2,927	3,984	4,805	5,719	7,198	9,471	14,544	16,537	18,363	--
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	--
		Lumens per Watt	105	102	102	99	96	90	114	108	103	--
	T4	**Lumens**	3,141	4,230	5,055	5,968	7,938	10,650	14,370	16,195	17,933	--
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	--
		Lumens per Watt	109	104	104	100	127	109	113	106	101	--
4000K and 5000K CCT 70 CRI	**5CQ Concentrated**	**Lumens**	3,828	5,211	6,284	7,480	9,415	12,387	14,944	17,500	19,951	21,858
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
		Lumens per Watt	137	133	133	130	126	118	120	118	115	113
	5MQ Medium	**Lumens**	4,096	5,575	6,723	8,002	10,072	13,253	15,609	18,279	20,839	22,831
		BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3
		Lumens per Watt	146	142	142	139	135	126	125	123	120	118
	5WQ Wide	**Lumens**	3,874	5,273	6,359	7,569	9,527	12,535	14,997	17,562	20,022	21,936
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G4
		Lumens per Watt	138	135	135	131	128	119	120	118	116	113
	RW Rectangular Wide	**Lumens**	3,097	4,215	5,083	6,050	7,615	10,020	14,544	16,537	18,363	--
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	--
		Lumens per Watt	111	108	108	105	102	95	114	108	103	--
	T4	**Lumens**	3,323	4,475	5,348	6,314	7,938	10,650	14,370	16,195	17,933	--
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	--
		Lumens per Watt	115	110	110	106	127	109	113	106	101	--

NOTES:

1. Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. For configurations that include the glass or sensor options, refer to the specific IES files for BUG rating and lumen output data.
2. Wattage with T4 optic is 33W for C1, 41W for C2, and 67W for C3.

Input Current

5CQ, 5MQ and 5WQ Distributions

Lumen Package	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
Power (Wattage)	28.0	39.2	47.2	57.6	74.7	105.2	124.7	148.7	173.1	193.8
Input Current @ 120V (A)	0.23	0.33	0.39	0.48	0.62	0.88	1.09	1.31	1.53	1.72
Input Current @ 208V (A)	0.13	0.19	0.23	0.28	0.36	0.51	0.57	0.67	0.78	0.88
Input Current @ 240V (A)	0.12	0.16	0.20	0.24	0.31	0.44	0.56	0.66	0.76	0.85
Input Current @ 277V (A)	0.10	0.14	0.17	0.21	0.27	0.38	0.49	0.58	0.67	0.74
Input Current @ 347V (A)	0.08	0.11	0.14	0.17	0.22	0.30	0.40	0.47	0.55	0.62
Input Current @ 480V (A)	0.06	0.08	0.10	0.12	0.16	0.22	0.30	0.35	0.41	0.45

RW Distribution Only

Lumen Package	D1	D2	D3	D4	D5	D6	D7	D8	D9
Power (Wattage)	28.0	39.2	47.2	57.6	74.7	105.2	127.1	152.6	178.0
Input Current @ 120V (A)	0.23	0.33	0.39	0.48	0.62	0.88	1.11	1.34	1.58
Input Current @ 208V (A)	0.13	0.19	0.23	0.28	0.36	0.51	0.58	0.69	0.81
Input Current @ 240V (A)	0.12	0.16	0.20	0.24	0.31	0.44	0.56	0.67	0.78
Input Current @ 277V (A)	0.10	0.14	0.17	0.21	0.27	0.38	0.50	0.59	0.68
Input Current @ 347V (A)	0.08	0.11	0.14	0.17	0.22	0.30	0.41	0.48	0.57
Input Current @ 480V (A)	0.06	0.08	0.10	0.12	0.16	0.22	0.30	0.36	0.42

T4 Distribution Only

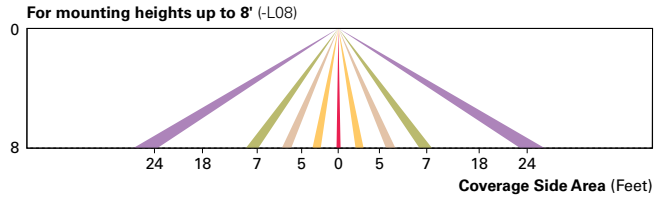
Lumen Package	D1	D2	D3	D4	D5	D6	D7	D8	D9
Power (Wattage)	28.8	40.5	48.8	59.8	62.3	97.4	127.1	152.6	178.0
Input Current @ 120V (A)	0.24	0.34	0.41	0.50	0.55	0.86	1.11	1.34	1.58
Input Current @ 208V (A)	0.14	0.19	0.23	0.29	0.28	0.44	0.58	0.69	0.81
Input Current @ 240V (A)	0.12	0.17	0.20	0.25	0.28	0.43	0.56	0.67	0.78
Input Current @ 277V (A)	0.10	0.15	0.18	0.22	0.24	0.37	0.50	0.59	0.68
Input Current @ 347V (A)	0.08	0.12	0.14	0.17	0.21	0.31	0.41	0.48	0.57
Input Current @ 480V (A)	0.06	0.08	0.10	0.12	0.15	0.23	0.30	0.36	0.42

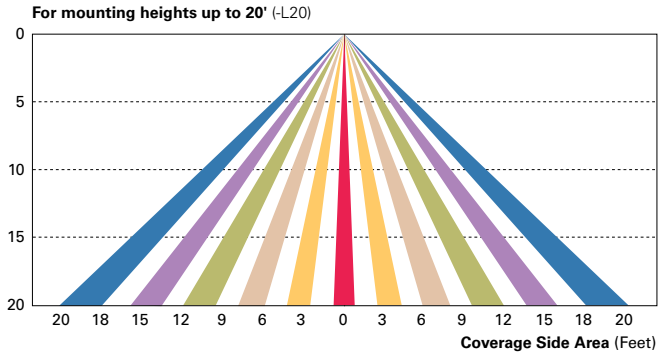
Control Options

0-10V (D) 0-10V dimming comes standard on all TopTier configurations for use with integrated or external lighting controls.

Photocontrol (BPC, PR and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

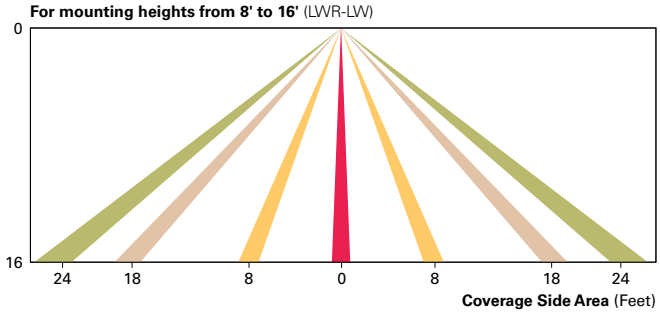
Dimming Occupancy Sensor (MS/DIM) These sensors are factory installed in the luminaire, dimming to 50% after five minutes of no motion detected. When motion is detected, the luminaire output is 100%. Includes an integral photocell that can be programmed for "dusk-to-dawn" operation. The FSIR-100 programming tool can be utilized to adjust dimming level, time delay, sensitivity and other parameters. Two lens options provide optimal coverage patterns up to 20' mounting height.

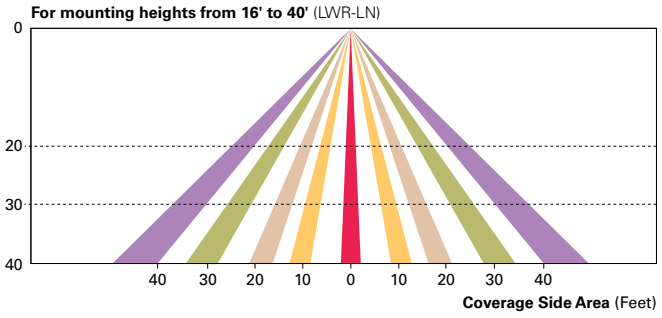




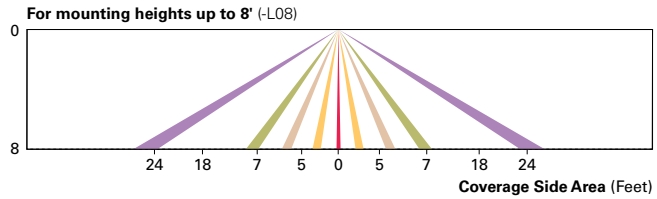
WaveLinx-Ready 4-PIN Twistlock Receptacle (ZW) Includes the WaveLinx control module, integrated 4-Pin receptacle, and standard 0-10V dimming driver, enabling the subsequent addition of a WaveLinx sensor.

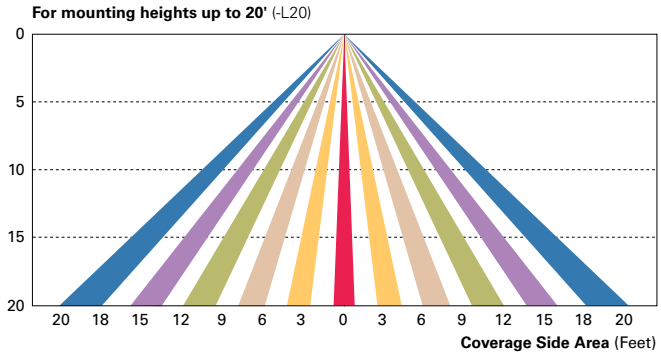
Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other resources beyond lighting.





Synapse (DIM10) SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 control module and MS/DC motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty, and terms and conditions.





Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions
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