

Date: _____ Customer: _____
Project: _____
Type: _____ Qty: _____



Mistella® LED



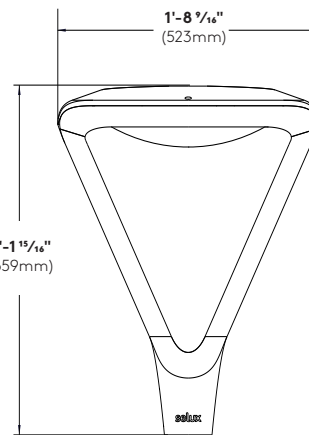
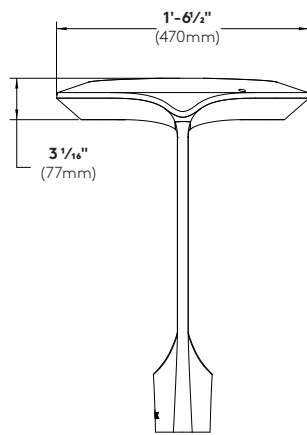
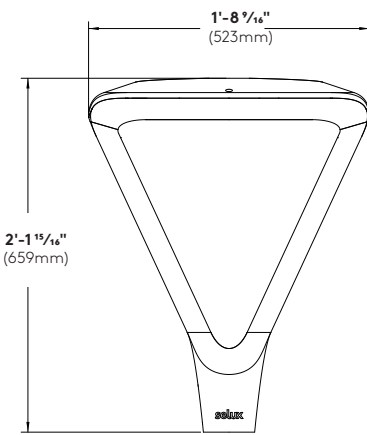
Order Code: MST - - - - -

Pole Order Code: _____ * See pages 4 and 6

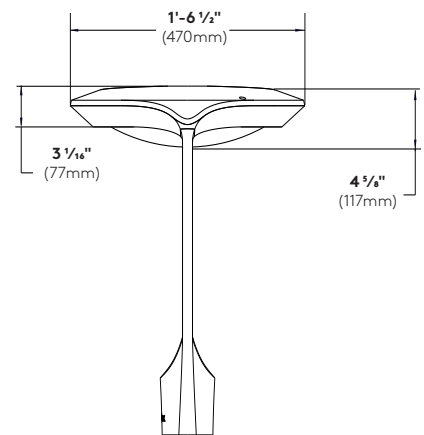
MST	Series	MST Mistella® LED										
	Optics	R1 Type I	R2 Type II	R3 Type III	R3W Type III (Wide)	R4 Type IV	R5R Type V (Round)	R5S Type V (Square)	R5Q Type V (Rectangular)	DG Diffuse Flat Glass	DB1¹ Diffuse Sagged Bowl	¹ DB1 option not DarkSky.
	Mounting	1 Single	2 Double	W Wall								
	Comfort Light Engine (DB1 & DG) OR	MP350 nominal 33W/2965lm	MP530 nominal 48W/4443lm	MP700 nominal 61W/5613lm	MP900 nominal 79W/6951lm	MP105 nominal 92W/7796lm	MP14 nominal 129W/9544lm	*Based on 3000K CCT and DG optic.				
	Technical Light Engine (R1-R5Q)	5G350 nominal 33W/3745lm	5G530 nominal 48W/5417lm	5G700 nominal 61W/6843lm	5G900 nominal 79W/8475lm	5G105 nominal 92W/9505lm	5G140² nominal 121W/11636lm	² For maximum ambient temperatures up to 40°C only. *Based on 3000K CCT and R1 optics.				
	CCT	27³* 2700K	30³ 3000K	35* 3500K	40 4000K	50* 5000K	³ 2700K and 3000K DarkSky approved. *Consult factory for lead time.					
	Power Supply Wire Length	10 10'	12 12'	14 14'	16 16'	18 18'	20 20'	XX⁴ XX'	⁴ Add length of arm and height of pole to determine power supply wire length.			
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color					
	Voltage	UNV 120V-277V	120⁵ 120V	240⁵ 240V	277⁵ 277V	347⁶ 347V	480⁶ 480V	⁵ Specify for HL option. ⁶ Not available with 5G140 or MP140 light engines.				
	Options	DM⁸ Dimming (0-10V)	HS⁷ House Side Shield (180°)	HL30⁸,⁹ Hi-Lo Switching Low Output 30%	HL50⁸,⁹ Hi-Lo Switching Low Output 50%	TLR⁸ Twist Lock Receptacle 7-Pin with Shorting Cap	TLRP⁸ Twist Lock Receptacle 3-Pin with Photocell	⁷ Type I, II, III, and IV only. ⁸ DM, HLXX, TLR, or MS only. Cannot be combined. TLRP, or MS only. Cannot be combined. ⁹ 120V, 240V or 277V only. ¹⁰ Cannot be combined with DG or DB1.				
		GL¹⁰ Clear Flat Glass Lens	ROL Rotate optics left	ROR Rotate optics right	MS⁸ Pole Motion Sensorwith optional photocell See page 6 for order code							



Gen5/DG Optic



DB1 Optic



Specifications

Luminaire Cover - Cast aluminum cover made from low copper aluminum.

Gasketing - Continuous gasket provides weatherproofing, dust, and insect control at all fixture connections.

LED Array - LEDs mounted to PC boards and attached to aluminum heat sink for maximum LED performance and life. 3-step MacAdams ellipse for 2700K, 3000K 3500K, 4000K and 5000K. CRI minimum 80. Complete light engine can be removed easily for future upgrade.

LED Optics - Technical Optics (R1, R2, R3, R3W, R4, R5R, R5S, and R5Q) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distribution types I, II, III & IV with or without clear glass option. DG and DB1 optics use a mid-power LED board. DG consists of recessed diffuse puck with flat clear glass. DB1 uses sagged diffuse polycarbonate bowl.

LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the head.

Arm/Arms - Cast aluminum arms support upper housing and optic assembly with built in pole fitter.

Pole Fitter - Self-leveling, die cast low-copper aluminum, fitter base secured to pole with stainless steel allen head set screws. Fitter for 3.5" (90mm) O.D. poles or poles with 3.5" tenon.

Surge Protector - Designed to protect luminaire from electrical surge (20kA).

Power Supply Wire - Pre-installed at factory. Please specify power supply wire length in accordance to height of the pole. Add two (2) feet to power supply wire length for single mount and four (4) feet for double arm mount.

Hi-Lo Switching Option - Please see page 6 for details.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Mistella® LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature.

Luminaire suitable for ambient temperatures of 45°C. Minimum operating temperature of luminaire at -40°C (-40°F).

NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

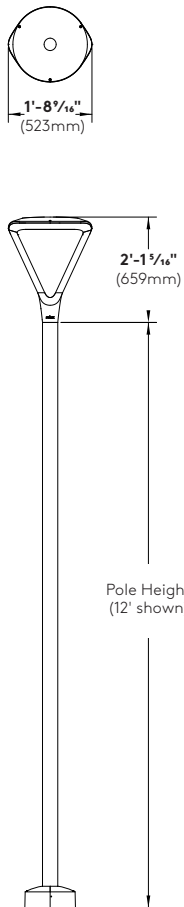
Mounting

Single (1)

Cast aluminum fitter base secured to pole with two stainless steel Allen head set screws.

EPA = 1.2ft² (0.11m²)

Weight = 18lbs. (8.2kg)

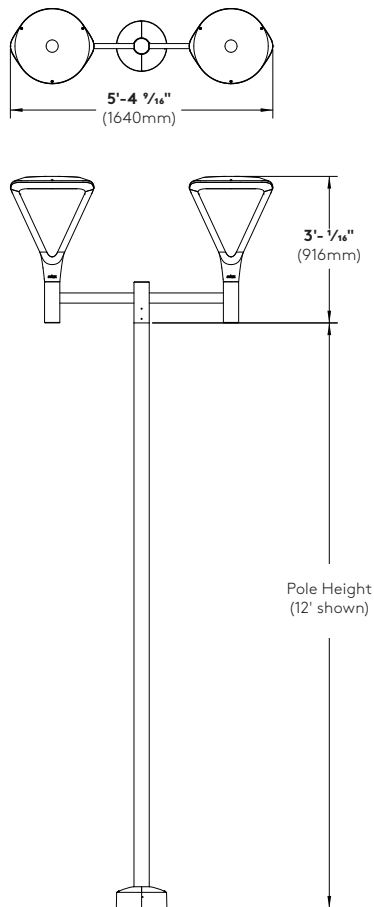


Double Arm Mount (2)

Structural aluminum double luminaire mounting arm secured to pole with six stainless steel Allen head set screws.

EPA = 3.4ft² (0.32m²)

Weight = 49lbs. (22.2kg)

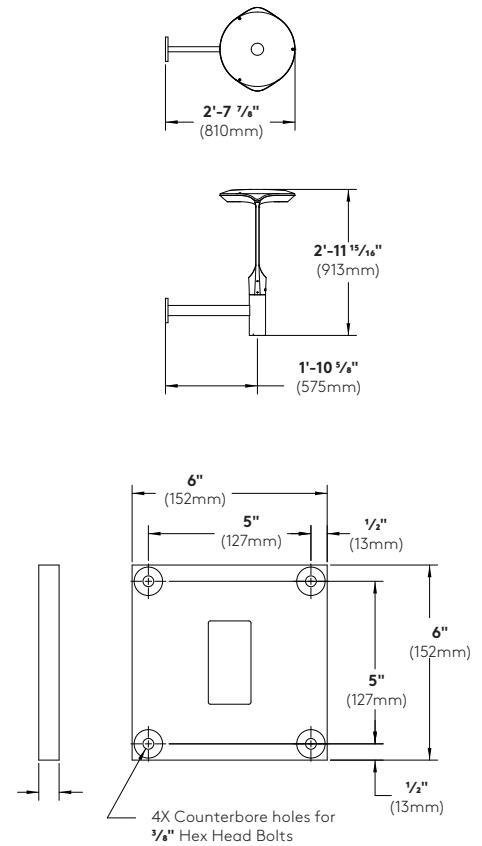


Wall (W)

Structural aluminum single luminaire mounting arm. Secured to wall with four 3/8" diameter threaded fasteners (by others).

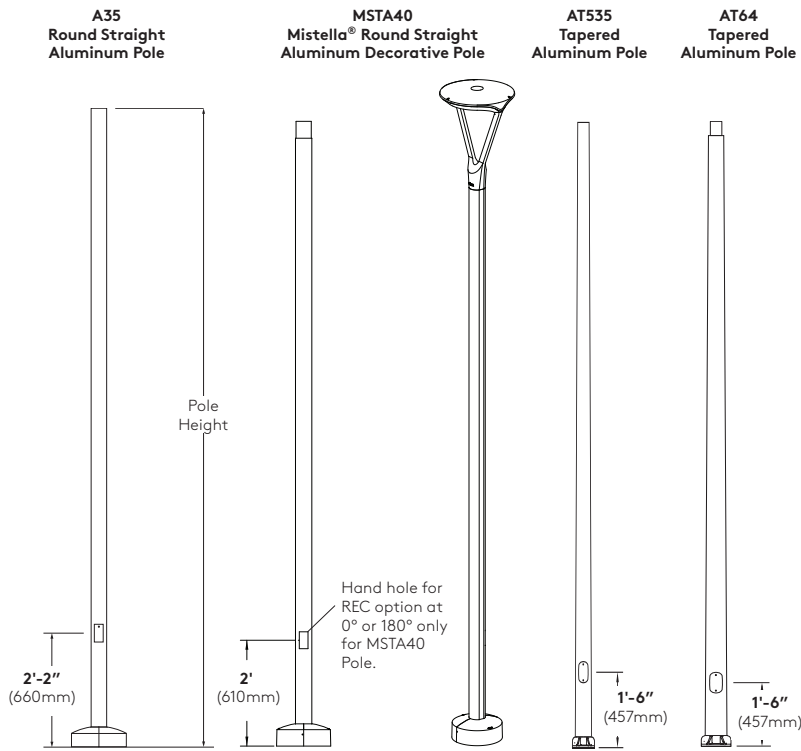
EPA = 1.6ft² (0.15m²)

Weight = 26lbs. (11.8kg)



Pole Information

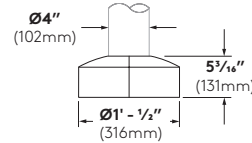
Refer to pole specification sheets for construction details, anchorage information and additional options.



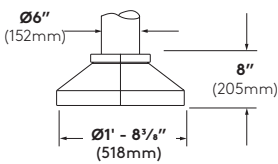
Optional Base Covers for Poles

Die cast aluminum, two-piece field installable base cover.

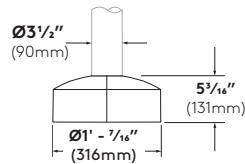
MSTBC13 Optional Base Cover (MSTA40)



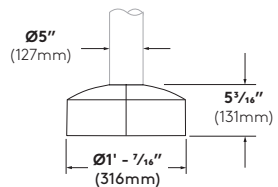
BC9 Optional Base Cover (AT64)



BC5 Standard Base Cover (A35)



BC3 Optional Base Cover (AT535)



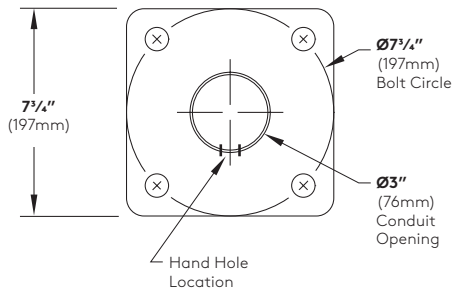
Pole Data Chart

Pole Series	Bolt Circle (in)	Wall (in)	EPA Information (ft²) / Wind Speed (mph)											Height	Finish	Options
			85	90	100	110	120	130	140	150	160	170	180			
A35-197 3 - 1/2" Round Straight Aluminum Pole	7 1/4	0.197	8.7	7.7	6.0	4.8	3.9	3.1	2.6	2.2	1.9	1.7	1.5	8 8ft	WH White	BC3 Two-piece cast aluminum base cover (for Mistella® AT535 pole only) BC5 Two-piece cast aluminum base cover (for Mistella® A35 pole only)
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	10.6	9.3	7.3	5.8	4.7	3.9	3.3	2.9	2.5	1.6	1.4			
A35-197 3 - 1/2" Round Straight Aluminum Pole	7 1/4	0.197	6.9	6.0	4.6	3.6	2.8	2.2	1.8	1.5	1.2	-	-	10 10ft	BK Black	BC9 Decorative cast aluminum base cover (for Mistella® AT64 pole only) MSTBC13 Decorative Cast aluminium base cover (for Mistella® MSTA40 pole only)
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	8.2	7.2	5.5	4.2	3.3	2.8	2.3	1.9	1.6	-	-			
A35-197 3 - 1/2" Round Straight Aluminum Pole	7 1/4	0.197	5.4	4.7	3.5	2.6	1.9	1.4	-	-	-	-	-	12 12ft	BL Semi-Matte Black	T35 Supplied with 3/4" diameter tenon, 4 1/2" high (for Mistella® MSTA40 and AT64 poles only)
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	6.4	5.5	4.1	3.1	2.3	1.8	1.4	-	-	-	-			
AT535-156 5" to 3 - 1/2" Round Tapered Aluminum Pole	8 5/8	0.156	15.2	13.4	10.5	8.4	6.9	5.8	4.9	4.2	3.6	3.2	2.8	14 14ft	BZ Bronze	REC GFCI Duplex Receptacle with weatherproof cover REC2 GFCI Duplex Receptacle with weatherproof padlockable in-use cover
AT64-156 6" to 4" Round Tapered Aluminum Pole	9 1/2	0.156	22.9	20.3	16.1	13.1	10.9	9.2	7.9	6.8	5.9	5.2	4.5			
A35-197 3 - 1/2" Round Straight Aluminum Pole	7 1/4	0.197	3.8	3.2	2.2	1.5	-	-	-	-	-	-	-	16 16ft	SV Silver	REC3 USB & GFCI Duplex Receptacle with weatherproof cover
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	5.0	4.2	3.0	2.1	1.4	-	-	-	-	-	-			
AT535-156 5" to 3 - 1/2" Round Tapered Aluminum Pole	8 5/8	0.156	12.8	11.2	8.7	6.9	5.5	4.6	3.8	3.3	2.8	2.4	2.1	18 18ft	SP Specify Pre-mium Color	REC4 USB & GFCI Duplex Receptacle with weatherproof padlockable in-use cover MS Motion Sensor with Optional Photocell (see page 6)
AT64-156 6" to 4" Round Tapered Aluminum Pole	9 1/2	0.156	19.5	17.2	13.6	11.0	9.1	7.6	6.5	5.6	4.8	4.2	3.7			
A35-197 3 - 1/2" Round Straight Aluminum Pole	7 1/4	0.197	2.7	2.2	1.3	-	-	-	-	-	-	-	-	20 20ft		* Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	3.7	3.2	2.0	-	-	-	-	-	-	-	-			
AT535-156 5" to 3 - 1/2" Round Tapered Aluminum Pole	8 5/8	0.156	10.5	9.1	6.9	5.4	4.3	3.4	2.9	2.4	2.0	1.7	1.5			
AT64-156 6" to 4" Round Tapered Aluminum Pole	9 1/2	0.156	16.3	14.3	11.2	9.0	7.4	6.2	5.2	4.4	3.8	3.3	2.9			
MSTA40-195 4" Signature Straight Aluminum Pole	7 1/4	0.195	2.3	1.7	-	-	-	-	-	-	-	-	-			
AT535-188 5" to 3 - 1/2" Round Tapered Aluminum Pole	8 5/8	0.188	8.9	7.6	5.7	4.3	3.3	2.6	2.1	1.7	1.4	1.2	1.0			
AT64-156 6" to 4" Round Tapered Aluminum Pole	9 1/2	0.156	13.6	11.9	9.2	7.3	6.0	4.9	4.2	3.5	3.0	2.6	2.2			
AT535-188 5" to 3 1/2" Round Tapered Aluminum Pole	8 5/8	0.188	7.3	6.2	4.4	3.2	2.3	1.7	1.4	1.1	0.9	-	-			
AT64-156 6" to 4" Round Tapered Aluminium Pole	9 1/2	0.156	11.4	9.9	7.5	5.9	4.7	3.9	3.2	2.7	2.3	1.9	1.6			

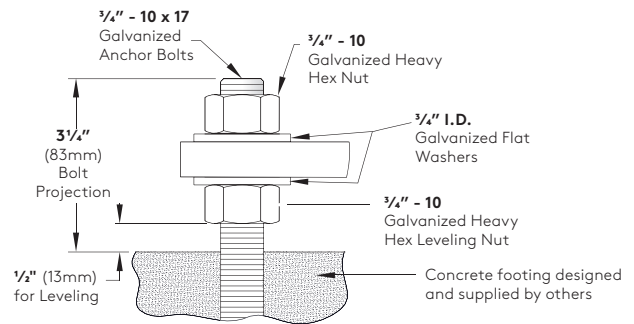
1) Maximum EPA ratings certified in accordance with AASHTO 2013 (LTS-6-I3) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis
2) Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds
3) Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design at ground level

Bolt Circle for A35

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

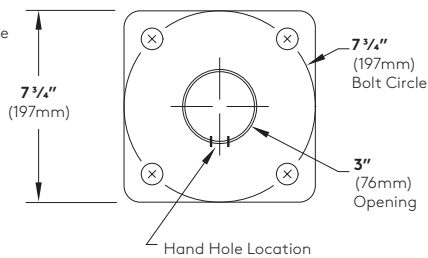
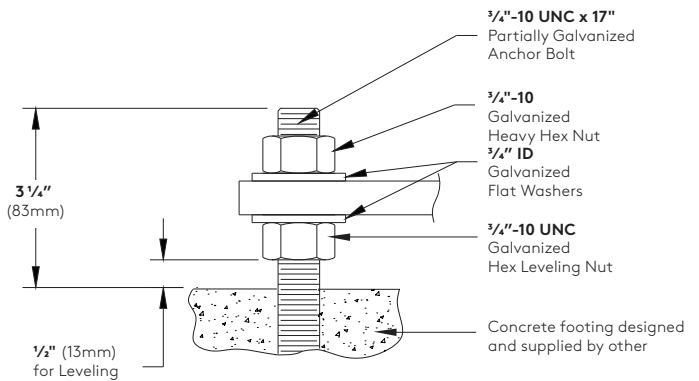


Note: Adequate drainage must be provided in concrete foundation or grout.

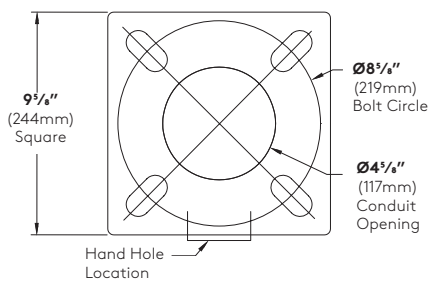
Anchor Bolt Detail for A35**Bolt Circle for MST40**

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

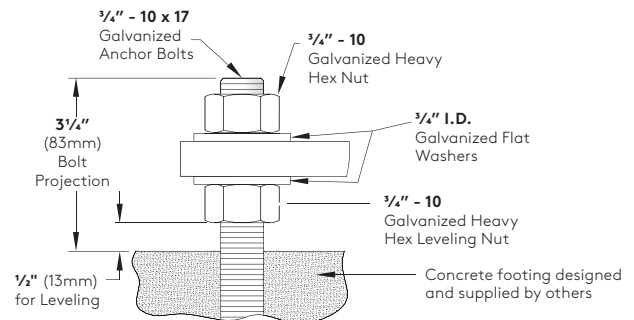
Note: Adequate drainage must be provided in concrete foundation.

**Anchor Bolt Detail for MST40****Bolt Circle for AT535**

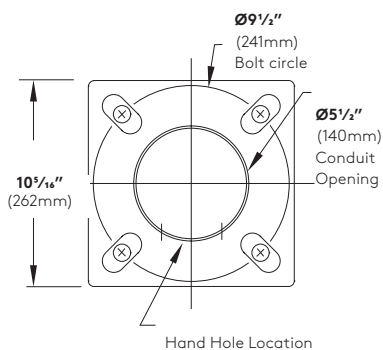
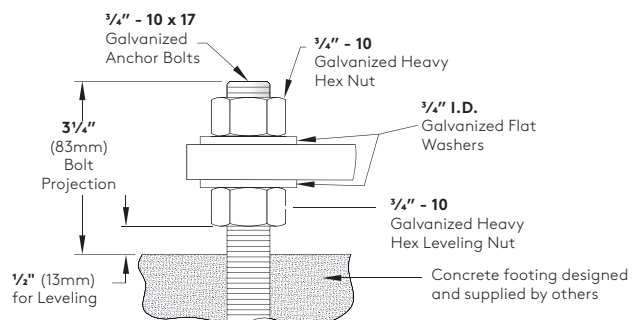
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation or grout.

Anchor Bolt Detail for AT535**Bolt Circle for AT64**

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

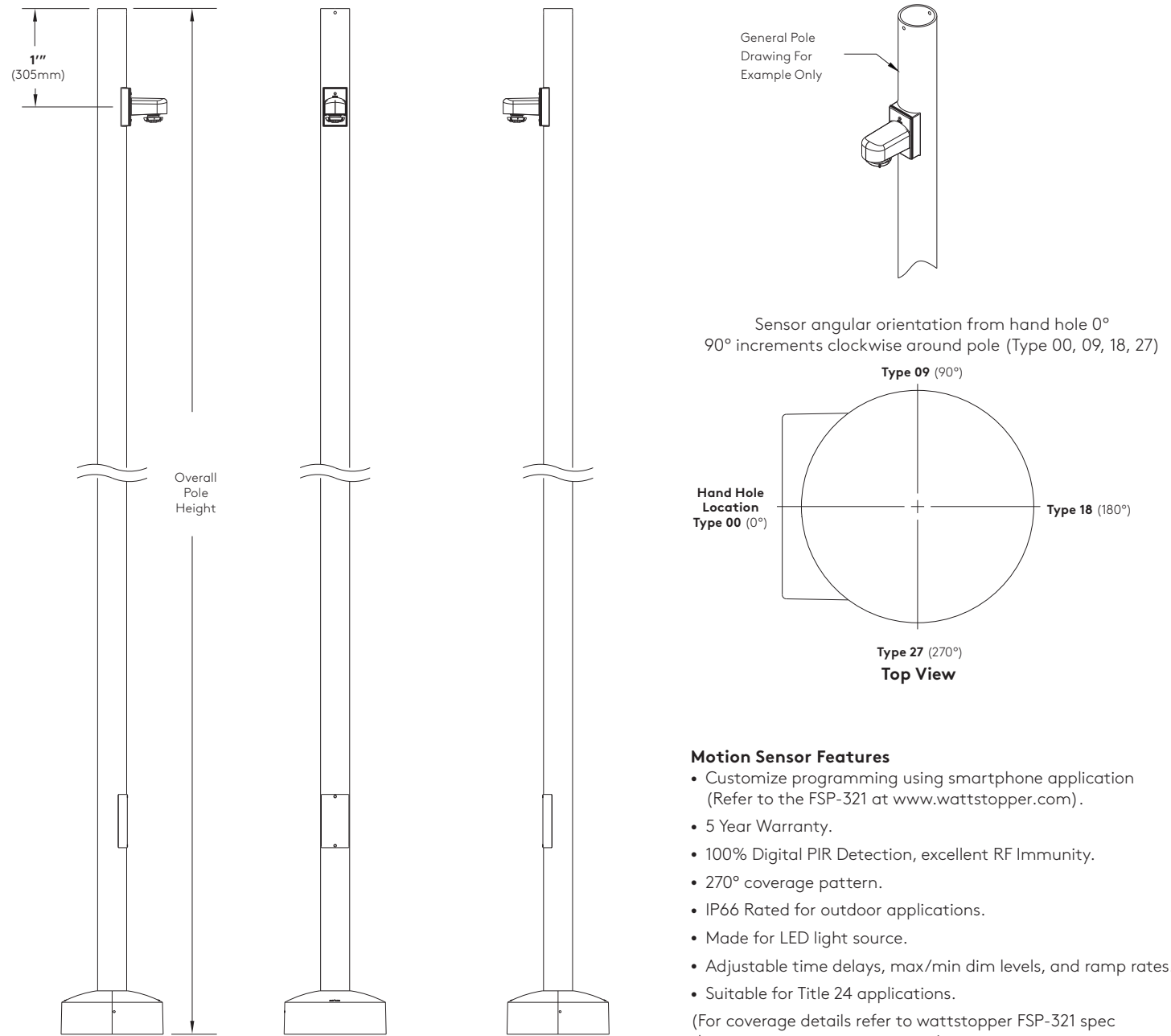
**Anchor Bolt Detail for AT64**

Round Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	00 0° Clockwise from Hand Hole	D0 (Off)	Y Yes	UNV (100-347VAC single phase or 208/230/480VAC phase-to-phase)
	09 90° Clockwise from Hand Hole	D1 (1V=10%)		
	18 180° Clockwise from Hand Hole	D3 (3V=30%)	N No	
	27 270° Clockwise from Hand Hole	D5 (5V=50%)		

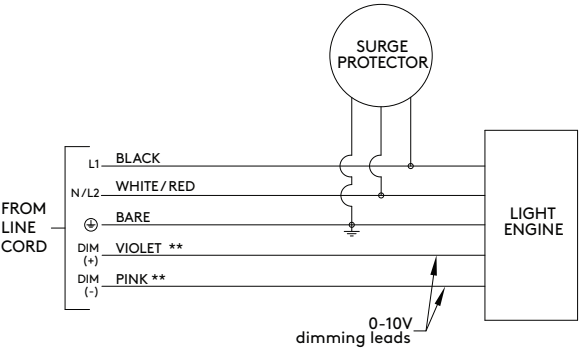
Factory Defaults:
Delay to Dim: 5 minutes
Delay to Off: Disabled
Sensitivity: Max
Custom Programming: Consult Factory



Wiring Diagrams

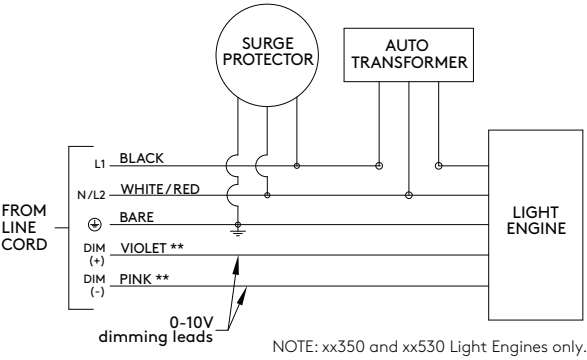
Standard Wiring (120V-480V without Step-down Transformer)

**When dimming is not required cap dimming wires.



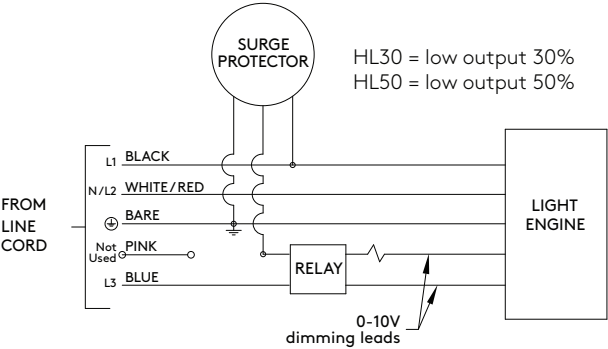
Standard Wiring (347/480V with Step-down Transformer)

**When dimming is not required cap dimming wires.

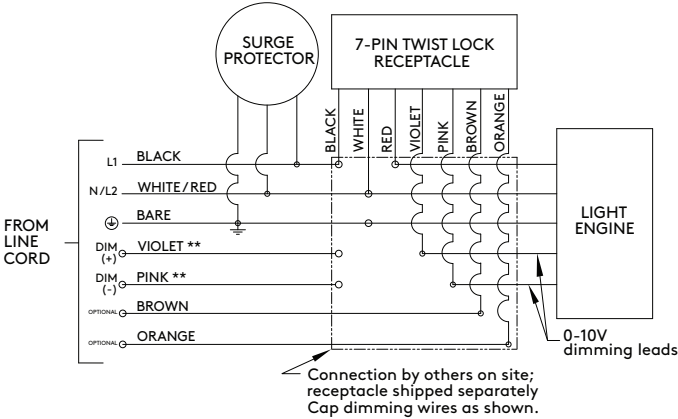


Hi-Lo Switching Option (HL) Wiring HL30 & HL50 Only

120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using one of the 2 levels listed below (i.e. HL30 or HL50). For other combinations, consult factory

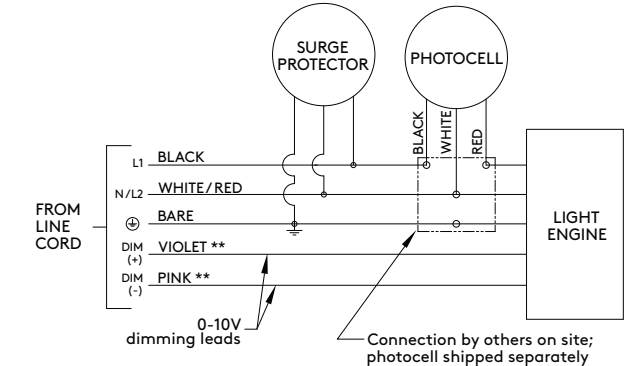


7-Pin Twist Lock Receptacle Option (TLR) Wiring

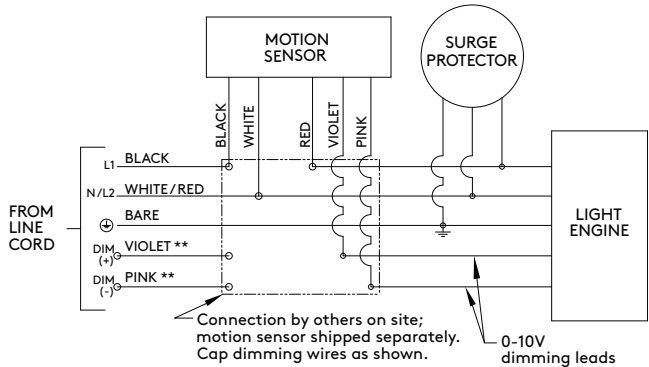


Photocell Option (TLRP) Wiring

**When dimming is not required cap dimming wires.



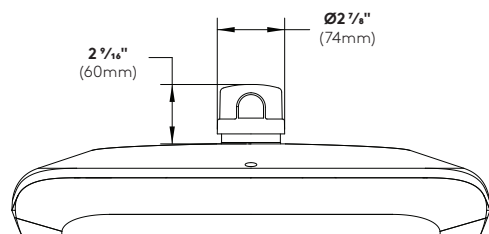
Motion Sensor Option (MS) Wiring (120-480V)



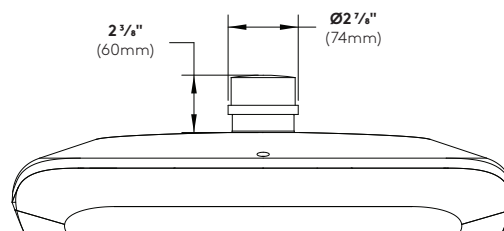
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (^{120/277} V) or L2 (^{208/240} V)

Optional Accessories

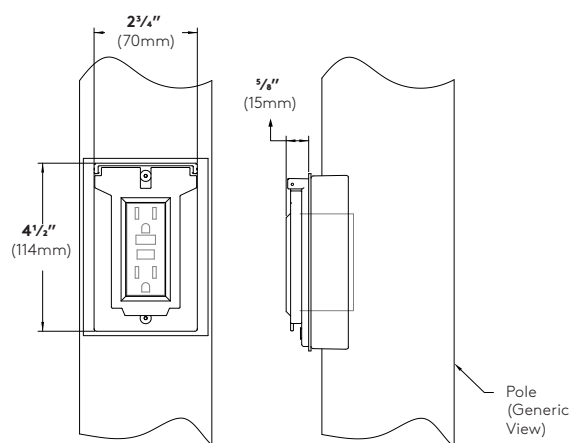
(TLRP) Twist Lock Receptacle with Photocell
TLRP = TE Connectivity BF Series (BF-PV) 3-Pin



(TLR) 7-Pin Twist Lock Receptacle with Shorting Cap



REC and REC3

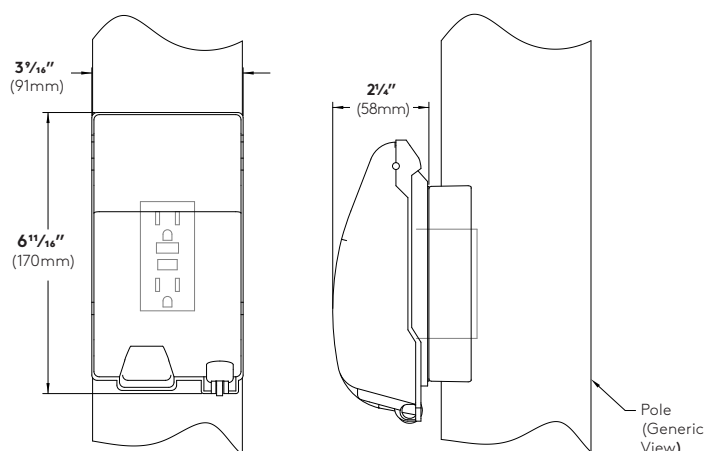


Cover shown in the closed position

GFCI Duplex Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & GFCI Duplex Receptacle (REC3) (not shown) - 120V 15A GFCI duplex receptacle with USB combination ports. (1) USB Type-A and (1) USB Type-C port share 2.0A charging capacity between both ports. Includes weatherproof, self-closing cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC2 and REC4

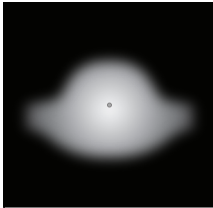


Cover shown in the closed position

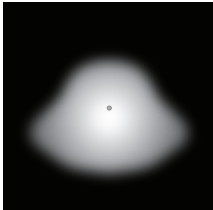
GFCI Duplex Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & GFCI Duplex Receptacle (REC4) (not shown) - 120V 15A GFCI duplex receptacle with USB combination ports. (1) USB Type-A and (1) USB Type-C port share 2.0A charging capacity between both ports. Includes weatherproof, self-closing padlockable in-use cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

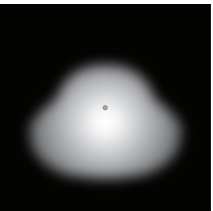
Photometry



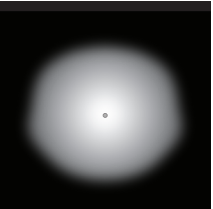
R1- Distribution Type II					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3745	3000K	33	113	B1-U0-G1
5G530	5417	3000K	48	113	B1-U0-G1
5G700	6843	3000K	61	112	B2-U0-G2
5G900	8475	3000K	79	107	B2-U0-G2
5G105	9505	3000K	92	103	B2-U0-G2
5G140	11636	3000K	121	96	B2-U0-G2



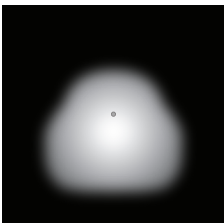
R2- Distribution Type III					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3817	3000K	33	116	B1-U0-G1
5G530	5521	3000K	48	115	B1-U0-G1
5G700	6975	3000K	61	114	B2-U0-G1
5G900	8638	3000K	79	109	B2-U0-G2
5G105	9688	3000K	92	105	B2-U0-G2
5G140	11860	3000K	121	98	B2-U0-G2



R3- Distribution Type III					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3797	3000K	33	115	B1-U0-G1
5G530	5492	3000K	48	114	B1-U0-G1
5G700	6938	3000K	61	114	B2-U0-G2
5G900	8593	3000K	79	109	B2-U0-G2
5G105	9637	3000K	92	105	B2-U0-G2
5G140	11798	3000K	121	98	B2-U0-G2

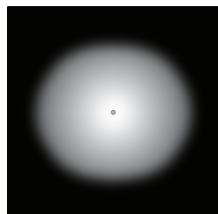


R3W- Distribution Type III					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3836	3000K	33	119	B2-U0-G1
5G530	5549	3000K	48	118	B2-U0-G2
5G700	7009	3000K	61	117	B2-U0-G2
5G900	8681	3000K	79	112	B2-U0-G2
5G105	9736	3000K	92	108	B3-U0-G2
5G140	11919	3000K	121	101	B3-U0-G3

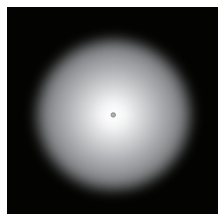


R4- Distribution Type III					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3807	3000K	33	115	B1-U0-G1
5G530	5507	3000K	48	115	B1-U0-G1
5G700	6956	3000K	61	114	B2-U0-G2
5G900	8615	3000K	79	109	B2-U0-G2
5G105	9662	3000K	92	105	B2-U0-G2
5G140	11829	3000K	121	98	B2-U0-G2

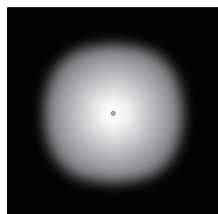
Photometry



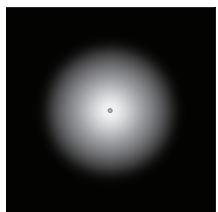
R5R- Distribution Type VS					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3919	3000K	33	119	B2-U0-G1
5G530	5669	3000K	48	118	B3-U0-G1
5G700	7161	3000K	61	117	B3-U0-G1
5G900	8869	3000K	79	112	B3-U0-G1
5G105	9947	3000K	92	108	B3-U0-G2
5G140	12177	3000K	121	101	B3-U0-G2



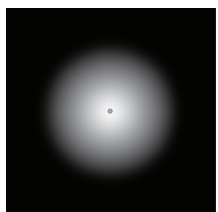
R5S- Distribution Type VS					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3920	3000K	33	115	B2-U0-G1
5G530	5670	3000K	48	114	B3-U0-G1
5G700	7163	3000K	61	114	B3-U0-G1
5G900	8871	3000K	79	109	B3-U0-G1
5G105	9949	3000K	92	105	B3-U0-G2
5G140	12180	3000K	121	98	B3-U0-G2



R5Q- Distribution Type IV					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	3798	3000K	33	115	B2-U0-G2
5G530	5494	3000K	48	114	B2-U0-G2
5G700	6940	3000K	61	114	B3-U0-G3
5G900	8595	3000K	79	109	B3-U0-G3
5G105	9640	3000K	92	105	B3-U0-G3
5G140	11801	3000K	121	98	B3-U0-G3



DG- Distribution Type VS					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	2965	3000K	33	90	B1-U0-G1
5G530	4443	3000K	48	93	B2-U0-G1
5G700	5613	3000K	61	92	B2-U0-G1
5G900	6951	3000K	79	88	B2-U0-G1
5G105	7796	3000K	92	85	B2-U0-G1
5G140	9544	3000K	129	74	B3-U0-G1



DB1- Distribution Type V					
Light Engine	Lumens	CCT	Input Watts	lm/W	BUG Rating
5G350	2612	3000K	33	79	B1-U2-G1
5G530	3914	3000K	48	82	B1-U2-G1
5G700	4945	3000K	61	81	B2-U3-G2
5G900	6124	3000K	79	78	B2-U3-G2
5G105	6868	3000K	92	75	B2-U3-G2
5G140	8408	3000K	121	69	B2-U3-G2

Mistella® CCT Multiplier	
2700K	0.926
3000K	1.000
3500K	1.000
4000K	1.063
5000K	1.070

5Gxxx TM-21 Matrix

TM-21 Lifetime Calculation					
Light Engine	Ambient Temp (°C)	Lumen Maintenance (% at hours)			Reported L70
		25K	50K	70K	
5G350	25°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
5G530	25°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
5G700	25°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
5G900	25°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
5G105	25°C	99.8%	99.8%	99.8%	L70(12K) > 70,000 hours
	40°C	99.1%	98.5%	98.0%	L70(12K) > 73,000 hours
5G140	25°C	99.5%	99.2%	99.0%	L70(12K) > 73,000 hours
	40°C	98.7%	97.7%	96.8%	L70(12K) > 73,000 hours

1. Calculated in accordance with IESNA TM-21-11, projected values are within 6 times (6x) the IESNA LM-80-08 test duration
2. Thermal measurements based on order code: MST-DB1-X-30-XX-BL-UNV

MPxxx TM-21 Matrix

TM-21 Lifetime Calculation						
Ligh Engine	Ambient Temp (°C)	Lumen Maintenance (% at hours)				Reported L70
		25K	50K	75K	90K	
MP350	25°C	97.5%	95.0%	92.5%	91.0%	L70(15K) > 90,000 hours
	40°C	96.4%	93.2%	90.0%	88.2%	L70(15K) > 90,000 hours
MP530	25°C	97.5%	95.0%	92.5%	91.0%	L70(15K) > 90,000 hours
	40°C	95.8%	91.9%	88.2%	86.1%	L70(15K) > 90,000 hours
MP700	25°C	97.5%	95.0%	92.5%	91.0%	L70(15K) > 90,000 hours
	40°C	95.1%	90.7%	86.5%	84.0%	L70(15K) > 90,000 hours
MP900	25°C	96.9%	94.0%	91.3%	89.7%	L70(15K) > 90,000 hours
	40°C	93.7%	88.3%	83.2%	80.3%	L70(15K) > 90,000 hours
MP105	25°C	96.4%	93.0%	89.8%	88.0%	L70(15K) > 90,000 hours
	40°C	92.8%	85.6%	79.0%	73.2%	L70(15K) > 90,000 hours
MP140	25°C	95.1%	90.6%	86.3%	83.8%	L70(15K) > 90,000 hours
	40°C	91.8%	83.7%	76.4%	72.3%	L70(15K) > 90,000 hours

1. Calculated in accordance with IESNA TM-21-11, projected values are within 6 times (6x) the IESNA LM-80-08 test duration
2. Thermal measurements based on order code: MST-DB1-X-MPxxx-30-XX-BL-UNV