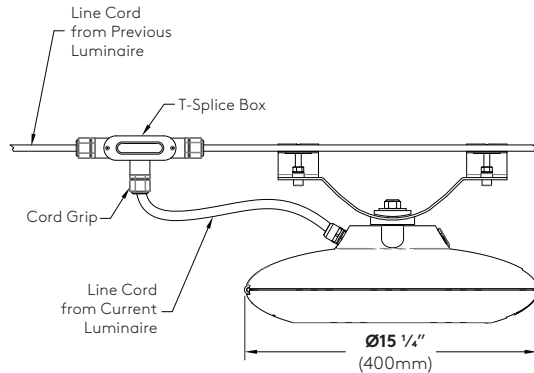
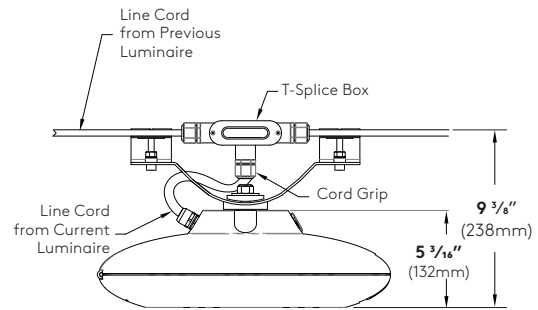


DSC4LC



Example A
(offset position)



Example B
(centered position)

EPA = 0.28ft² (.03m²)
Weight = 19 lbs. (8.6kg)

For layouts refer to Catenary
Design Guide on our website selux.us

Specifications

Fixture Housing - Made from high pressure die cast, low copper aluminum alloy.

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

Hanger - Hanger bracket made from stainless steel with stainless steel hardware. Hanger bracket provides 360° rotation and 15° tilt either direction.

LED Array - (not shown) High flux LEDs mounted to PC boards and attached to aluminum heat sink for maximum LED performance and life. CCT tolerance 3-step binning for 2700K, 3000K, and 4000K. CRI minimum 80. Complete light engine can be removed easily for future upgrade.

LED Optics - Technical Optics (R1, R2, R3, R3W, R4, and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV. Comfort Optics (DG) use mid-power LEDs and highly diffuse dish for uniformity and glare control.

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.

Glass Lens - Tempered glass lens protects and seals optical chamber to IP65.

Toolless Latch - Toolless stainless steel latch for easy access to light engine.

Access Door - Lower casting features a stainless steel hinge that attaches to upper casting on mounting arm side. Other side is secured with toolless latch for ease of maintenance.

Surge Protection - (Not Shown) Designed to protect luminaire from electrical surge (20kA).

T-Splice Box (TS) - Made from high pressure die cast, powder coated Silver. Three cordgrips included, allowable feed cord diameter is .17"- .45". One plug included for when only two cords are required. Luminaire will come with 3' of UV resistant black SJ feed cord pre-installed in factory. Additional feed cord supplied by others to connect to T-Splice Box. Use two metal zip ties, supplied by others, to secure T-Splice Box to cable.

Feed Cord (FCxx) - UV resistant black SJ power cord pre-installed in luminaire in factory. Please specify feed cord length, available in 1' increments from 6'-30'.

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 ultra violet 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 Selux 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 fixture, LED driver, and LED light engine when installed and operated according to Selux instructions. Fixture suitable for ambient temperatures between -40°C (-40°F) and 40°C (104°F). For details and exclusions, see "Selux Terms and Condition of Sale."

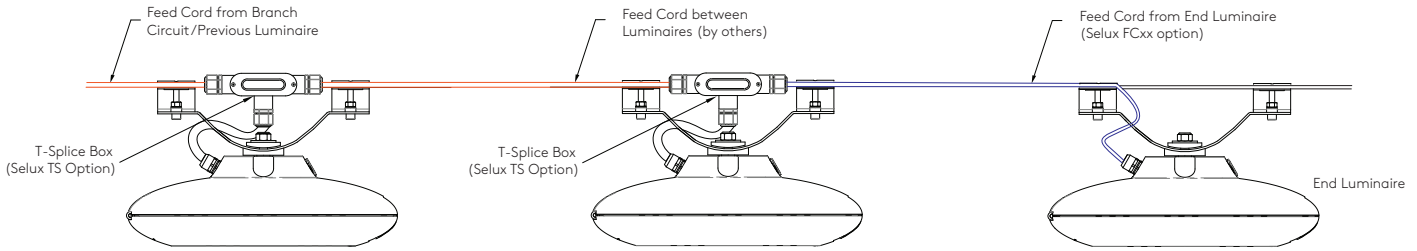
Listings and Ratings: Luminaire and LEDs tested to IP65, IK09, and IESNA LM-79-08 standards. LEDs tested to LM-80 standards. LEDs tested at 25°C ambient temperature.

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

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

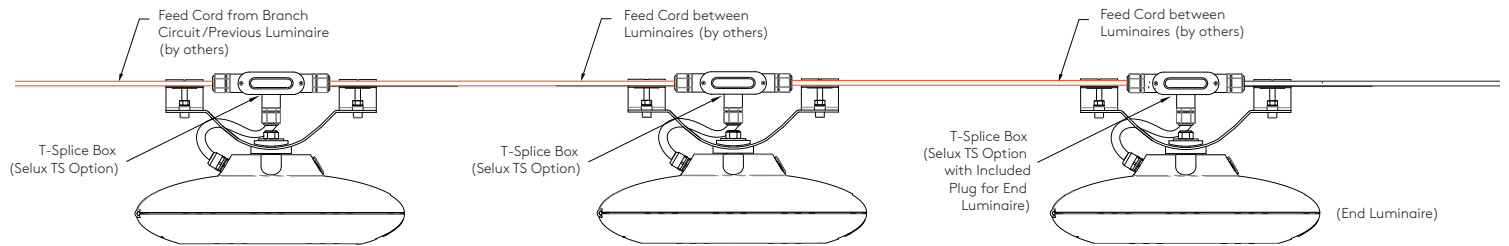
Feed Cord Detail - Scenario 1

(TS) T-Splice box for mid-run luminaires and (FCxx) Feed Cord without splice box option for end luminaire



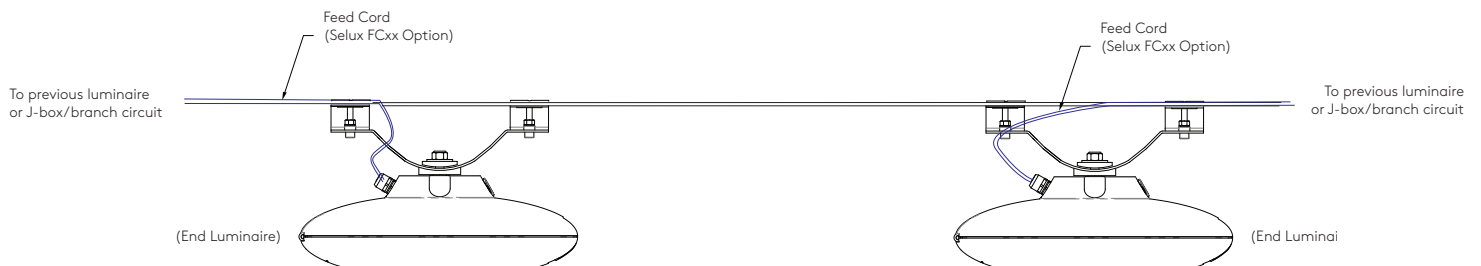
Feed Cord Detail - Scenario 2

(TS) T-Splice box for all luminaires



Feed Cord Detail - Scenario 3

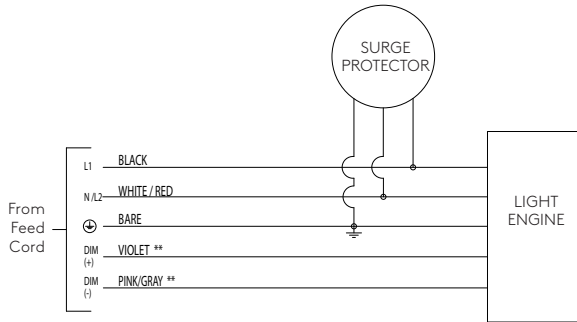
(FCxx) Feed Cord without splice box for all luminaires (when using separate feeds)



Wiring Diagrams

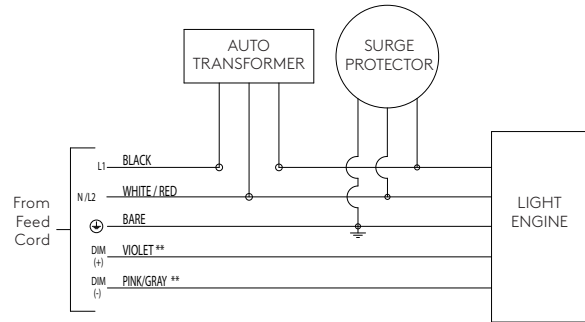
Standard Wiring (120V-277V)

**When dimming is not required, cap dimming wires



Standard Wiring (347V-480V with Step-Down Transformer)

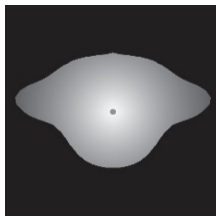
**When dimming is not required, cap dimming wires



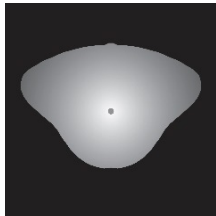
Wire Designation Table

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 (120V/227V or 208V/240V)

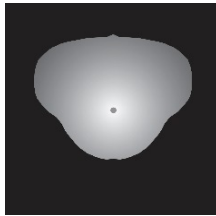
Photometry



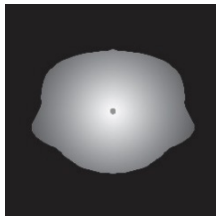
R1 - Gen5 Distribution Type I/II				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,357	3000K	32	105
5G530	4,875	3000K	47	104
5G700	6,325	3000K	62	102
5G900	7,548	3000K	78	97



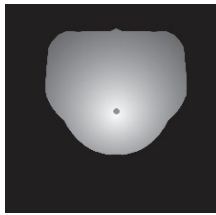
R2 - Gen5 Distribution Type II				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,355	3000K	32	105
5G530	4,854	3000K	47	103
5G700	6,321	3000K	62	102
5G900	7,543	3000K	78	97



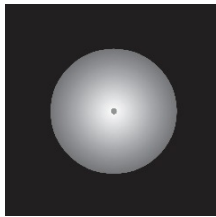
R3 - Gen5 Distribution Type III				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,533	3000K	32	110
5G530	4,875	3000K	47	104
5G700	6,657	3000K	62	107
5G900	7,943	3000K	78	102



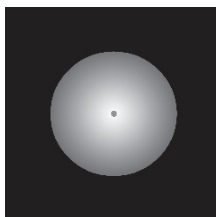
R3W - Gen5 Distribution Type III (Wide)				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,409	3000K	32	107
5G530	4,932	3000K	47	105
5G700	6,423	3000K	62	104
5G900	7,664	3000K	78	98



R4 - Gen5 Distribution Type III/IV				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,342	3000K	32	104
5G530	4,835	3000K	47	103
5G700	6,297	3000K	62	102
5G900	7,513	3000K	78	96



R5R - Gen5 Distribution Type V (Round)				
Light Engine	Lumens	CCT	Input Watts	lm/W
5G350	3,624	3000K	32	113
5G530	5,243	3000K	47	112
5G700	6,297	3000K	62	102
5G900	7,513	3000K	78	96



DG - Diffuse Glass Distribution Type V (Round)				
Light Engine	Lumens	CCT	Input Watts	lm/W
MP350	3,399	3000K	33	103
MP530	4,944	3000K	48	103
MP700	6,283	3000K	61	103
MP900	7,943	3000K	77	103

Photometry

CCT Multiplier	
2700K	0.962
3000K	1.000
4000K	1.063

TM-21 Lifetime Calculation					
Light Engine ²	Ambient Temp (°C)	Lumen Maintenance (% at hours)			Reported L ₈₀ ¹
		25K	50K	60K	
5G350	25°C	99.8%	99.8%	99.8%	L ₈₀ (12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L ₈₀ (12K) > 70,000 hours
5G530	25°C	99.8%	99.8%	99.8%	L ₈₀ (12K) > 70,000 hours
	40°C	99.1%	98.5%	98.0%	L ₈₀ (12K) > 73,000 hours
5G700	25°C	99.8%	99.8%	99.8%	L ₈₀ (12K) > 70,000 hours
	40°C	99.1%	98.5%	98.0%	L ₈₀ (12K) > 73,000 hours
5G900	25°C	99.1%	98.5%	98.0%	L ₈₀ (12K) > 73,000 hours
	40°C	96.6%	95.0%	93.8%	L ₈₀ (12K) > 73,000 hours

¹ Calculated in accordance with IESNA TM-21-11, projected values are within six times (6x) the IESNA LM-80-08 test duration

² Thermal measurements based on Order Code: DSC4L-R4-xx-5Gxxx-30-xx-SV-xx-UNV

TM-21 Lifetime Calculation						
Light Engine ²	Ambient Temp (°C)	Lumen Maintenance (% at hours)				Reported L ₇₀ ¹
		25K	50K	75K	90K	
MP350	25°C	97.4%	94.5%	91.8%	90.2%	L ₇₀ (15K) > 90,000 hours
	40°C	96.0%	92.2%	88.5%	86.4%	L ₇₀ (15K) > 90,000 hours
MP530	25°C	96.3%	92.8%	89.4%	87.5%	L ₇₀ (15K) > 90,000 hours
	40°C	94.9%	90.1%	85.5%	82.9%	L ₇₀ (15K) > 90,000 hours
MP700	25°C	95.2%	90.8%	86.5%	84.0%	L ₇₀ (15K) > 90,000 hours
	40°C	92.7%	85.3%	78.6%	74.8%	L ₇₀ (15K) > 90,000 hours
MP900	25°C	93.1%	86.1%	79.6%	76.0%	L ₇₀ (15K) > 90,000 hours
	40°C	83.1%	68.6%	56.7%	50.5%	L ₇₀ (15K) > 47,000 hours

¹ Calculated in accordance with IESNA TM-21-11, projected values are within six times (6x) the IESNA LM-80-08 test duration

² Thermal measurements based on Order Code: DSC4L-DG-X-MPxxx-30-XX-BL-UNV