



CUSTOMER NAME _____

Project Name _____

Date _____ Type _____

Catalog Number _____

LDS Series

Linear Suspended

The LDS series features mechanical designs which allow quick, easy and trouble-free installation of continuous rows with minimum labor for both suspended as well as surface mount applications. Multiple beam distributions and a wide range of lumen levels allow for easily optimized lighting designs for your application and make retrofitting simple. The simplicity of this design makes it seamless and yet impactful in your ceiling. Current's patented TriGain phosphor delivers 90 CRI color quality at 80 CRI efficacy. The LDS series is one of the most advanced technological luminaire with the ability to connect to Daintree, and motion sensors.

CONSTRUCTION

Housing:	22 gauge galvanized steel
Lens:	PC lens, Louvers
Paint:	Powder Coat White or Black, Stainless
Weight:	<20 lbs.

OPTICAL SYSTEM

Lumens:	3,400-17,000lm
Wattage:	31-145W
Efficacy:	105-140 LPW
CCT:	3000K, 3500K, 4000K
CRI:	83, 90+ TriGain™
Color Consistency:	4 Step MacAdam Elipse
Distribution Patterns:	Direct: Wide, Narrow, Wall Wash, Uplight, Louvers

ELECTRICAL

Input Voltage:	120-277V & 347V
Input Frequency:	50/60Hz
Power Factor (PF)*:	>0.9* except for the following conditions: – 4ft SKU with 347V – 4ft SKU with E2 option
Total Harmonic Distortion (THD)*:	<20%*

* PF and THD may vary with options

CONTROLS

Dimming:	Standard 0–10VDC, 5%
Controls:	High-end trim, occupancy and ambient light detection with dimming available. Wireless Daintree® options available.

AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	0° up to 35° C
STORAGE TEMPERATURE	-40°C to 60°C

LUMEN MAINTENANCE

LXX @ Hours 60,000 HR
L85

MOUNTING

- Suspension or Direct Mount, see accessories table

DESIGN LIFE & WARRANTY

- Current's Limited 5-year Warranty: Please see website.

Ordering Information¹ (Important: Please see note 1 below):

LDS		B								CS			
PRODUCT ID	FIXTURE TYPE	GENERATION	VOLTAGE	LUMEN	DISTRIBUTION	CRI	CCT	CONTROLS	MOUNTING	FINISH	OPTIONS		
LDS = Direct Suspended	I4 ¹ = 4 Ft Independent C4 ² = 4 Ft Continuous I8 = 8 Ft Independent C8 ² = 8 Ft Continuous	B = 2 nd Generation	0 = 120-277V D = 347V	4 Ft: 34 = 3400 Lumen 40 = 4000 Lumen 50 = 5000 Lumen 65 ³ = 6500 Lumen 85 ³ = 8500 Lumen 8 Ft: 68 = 6800 Lumen 80 = 8000 Lumen A0 = 10,000 Lumen A3 ³ = 13,000 Lumen A7 ³ = 17,000 Lumen	W0 = Wide W1 ⁴ = Wide + Uplight N0 = Narrow N1 ⁴ = Narrow + Uplight WW ⁵ = Wall Wash L0 ⁶ = Louvers L1 ^{4,6} = Louvers + Uplight	T ⁷ = 90 with Trigain 8 = 83 CRI	30 ⁸ = 3000 CCT 35 = 3500 CCT 40 = 4000 CCT	VQ = 0-10V Dimming TQ = Zigbee Enabled TS = Zigbee Enabled with Daintree WFA T1 ⁹ = Daintree One w/ fixture integrated sensor, factory programmed preset TT ⁹ = Daintree EZ connect Wireless w/ fixture integrated sensor TZ ⁹ = Daintree Enterprise Wireless w/ fixture integrated sensor S1 ¹⁰ = On/Off occ sensor, only for height > 10' S2 ¹¹ = On/Off occ & daylight harvesting sensor, only for height > 10'	CS ¹² = 2 Mounting Brackets	WHITE= White BLCK= Black ST01 ¹³ = Stainless Steel	A ¹⁴ = Branch Circuit E2 ^{15,16,17} = Emergency Battery SPL ¹⁸ = Sample with 6' cord and 120Vac wall plug R10 ¹⁹ = RELOC 277V 10' 3-Circuit P10 ²⁰ = 10' power cord, 14AWG 5-COND P20 ²⁰ = 20' power cord, 14AWG 5-COND SP = Single Pack		

ORDERING NOTES:

1. I4 not available with distribution: W1, N1 and L1
2. Starter kit required (see accessory page)
3. Not available with DISTRIBUTION = W1, N1, WW, L0, L1
4. Uplight Distribution = 20%
5. Not available with 65, 85, A3, A7 lumen codes
6. Louver options (L0, L1) do not have a lens
7. T available only in 34, 40, 50, 68, 80, and A0 lumen options
8. 30 not available for 90CRI
9. 11' mounting height limitation, not available with 347V or E2 options
10. Not compatible with 347V
11. Order programming remote (197634) separately
12. See accessories page below for further accessory/mounting options which need to be ordered separately.
13. ST01 is not compatible with distribution: W1, N1, L1
14. Branch circuit only available with C4&C8 fixture type
15. Emergency Battery only available with VQ controls and W0, N0, N1, WW, L0 distributions
16. Emergency Mode Lumens = P x LPW. "P" is the output power of the emergency system (10W for "E2")
17. EMBB is only compatible with 120-277V.
18. SPL option is not UL listed. Only available as Independent fixture and only compatible with 120-277V input voltage. SPL is not compatible with P10, P20, and R10 options. SPL is only available in Single Package. SPL is not EMBB compatible.
19. R10 option available with Independent fixture and only compatible with 277Vac RELOC installation. R10 is not EMBB compatible.
20. White cord for 'WHITE' and black cord for 'BLCK' or 'ST01' finishes. Independent fixtures only

80 CRI: 3500K, NARROW DISTRIBUTION

LENGTH	LUMEN CODE	LUMEN	POWER	POWER	LPW	LPW
			120-277V (W)	347V (W)	120-277V (W)	347V (W)
4 ft	34	3400	27	29	126	116
	40	4000	32	34	127	119
	50	5000	39	42	129	119
	65	6500	52	54	125	121
	85	8250	70	73	118	113
8 ft	68	6800	53	55	128	124
	80	8000	62	64	129	124
	A0	10,000	79	81	127	123
	A3	13,000	107	110	122	118
	A7	17,000	145	151	117	113

90 CRI: TRIGAIN™

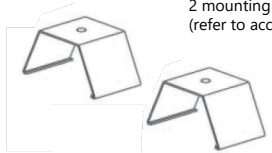
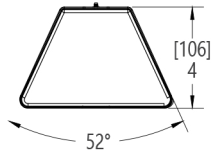
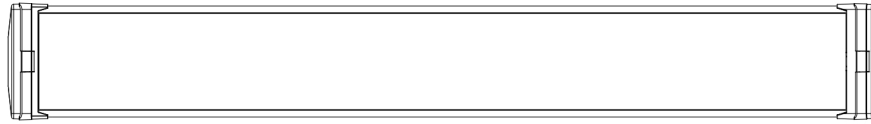
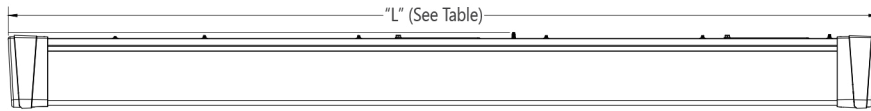
LENGTH	LUMEN CODE	LUMEN	POWER	LPW
			120-277V (W)	120-277V (W)
4 ft	34	3400	31	110
	40	4000	38	118
	50	5000	43.6	115
8 ft	68	6800	62	110
	80	8000	66	121
	A0	10,000	84.5	118

PRODUCT DIMENSIONS

CONFIGURATION - INDEPENDENT	4 FT	8 FT
Length "L"	50" (1270 MM)	98" (2489 MM)
Length "L" w/Sensor	57" (1448 MM)	105" (2667 MM)

NOTE: Continuous fixtures are exactly 48" and 96" long

MAXIMUM RUN LENGTH PER 1 POWER DROP					
SUPPLY VOLTAGE	LUMEN CODE				
	[34] [68]	[40] [80]	[50] [A0]	[65] [A3]	[85] [A7]
120V	220'	180'	160'	110'	80'
277V or 347V	530'	420'	380'	290'	210'



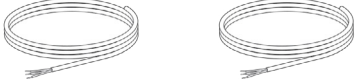
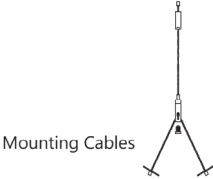

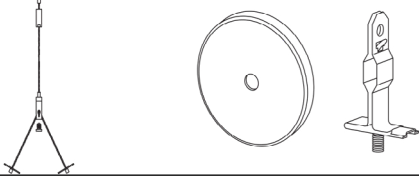
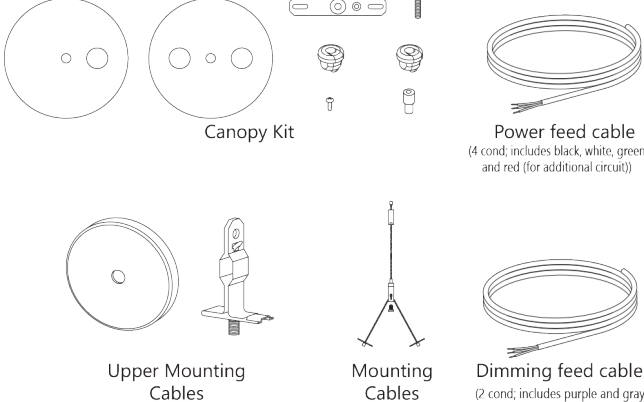
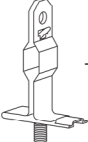
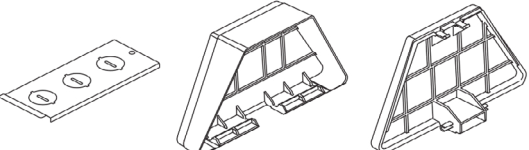
2 mounting brackets come standard with fixture
(refer to accessories page for ordering of any other accessories required)

CUSTOMER NAME

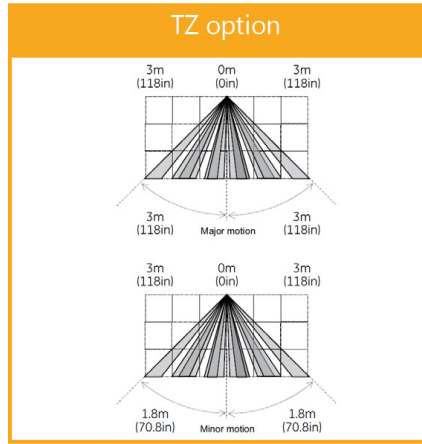
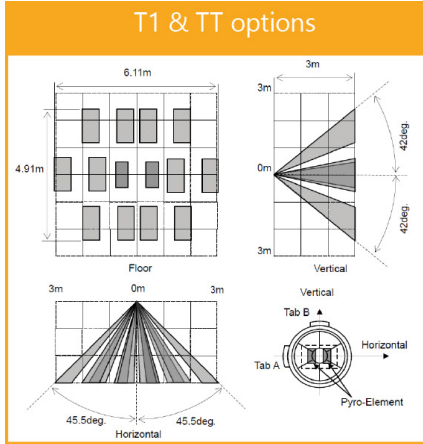
Project Name _____

Date _____ Type _____

Catalog Number _____

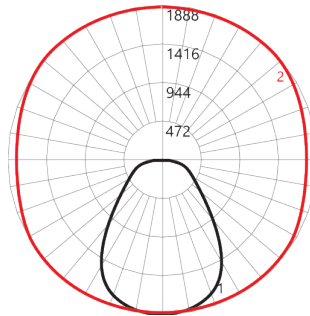
ACCESSORIES	DESCRIPTION	PRODUCT CODE
 <p>Power feed cable (4 cond, includes black, white, green and red (for additional circuit))</p> <p>Dimming feed cable (2 cond, includes purple and gray)</p> <p><small>**Power and Dimming Feed Cables are #14 gauge 600V rated</small></p>	Power Cord Kit - Options Comes with: 1x Power Feed Cable 1x Strain Relief	10 Ft Kit 93083221: BLK 93083222: WHT 20 Ft Kit 93083223: BLK 93083224: WHT
 <p>Mounting Cables</p>	Suspended Kits - Mounting Open/Unfinished Ceiling Comes with: 2x Aircraft Cables	10 Ft Kit 93035285: 10' Kit 20 Ft Kit 93116031: 20' Kit
 <p>Mounting Cables</p> <p>Power feed cable (4 cond, includes black, white, green and red (for additional circuit))</p> <p>Dimming feed cable (2 cond, includes purple and gray)</p> <p><small>**Power and Dimming Feed Cables are #14 gauge 600V rated</small></p>	Suspended Kits - Mounting + Power Open/Unfinished Ceiling Comes with: 2x Aircraft Cables 1x Power Feed Cable	10 Ft Kit 93122346: WHT with Dimming 93122348: BLK with Dimming 93115897: WHT No Dimming 93115899: BLK No Dimming 20 Ft Kit 93122347: WHT with Dimming 93122349: BLK with Dimming 93115898: WHT No Dimming 93115900: BLK No Dimming
 <p>Mounting Cables</p> <p>Canopy Kit</p> <p>Upper Mounting Cables</p>	Suspended Kits - Mounting Finished Ceiling Comes with: 2x Aircraft Cables 2x Upper Mounting Kit <ul style="list-style-type: none"> • 2" canopy Cover • T-Bar Clips 	10 Ft Kit 93115708: WHT Canopy 93115710: BLK Canopy 20 Ft Kit 93115709: WHT Canopy 93115711: BLK Canopy
 <p>Canopy Kit</p> <p>Power feed cable (4 cond, includes black, white, green and red (for additional circuit))</p> <p>Upper Mounting Cables</p> <p>Mounting Cables</p> <p>Dimming feed cable (2 cond, includes purple and gray)</p>	Suspended Kits - Mounting + Power Suspended Kits - Mounting + Power Finished Ceiling Comes with: 2x Aircraft Cables 1x Power Feed Cable 1x Canopy Kit <ul style="list-style-type: none"> • 2 Cord Power Drop Canopy Cover • 1 Cord Power Drop Canopy Cover • Canopy Cover Strain relief (2x) • Canopy Cover Hardware kit 2x Upper Mounting Kit <ul style="list-style-type: none"> • 2" canopy Cover • T-Bar Clips 	10 Ft Kit 93122350: WHT with Dimming 93122352: BLK with Dimming 93115847: WHT No Dimming 93115849: BLK No Dimming 20 Ft Kit 93122351: WHT with Dimming 93122353: BLK with Dimming 93115848: WHT No Dimming 93115850: BLK No Dimming
 <p>T-Grid clip + bolt</p>	Suspended Kits - Direct Mounting Open/Unfinished Ceiling Comes with: 2x T-Grid Clips + bolts	93126294: T-Grid Clip + bolt
	LDS Starter Kit (5 sets of endcaps & knockout plates)	211994: WHT (kit qty = 5 sets) 211995: BLK (kit qty = 5 sets) 93051298: Stainless Steel/Grey (kit qty = 5 sets)

CONTROLS COVERAGE DATA



PHOTOMETRIC DATA: LDS SERIES

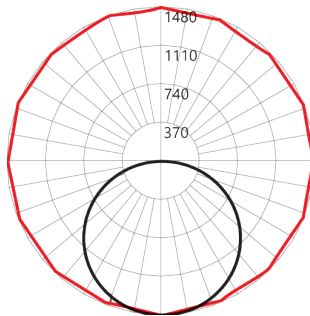
Distribution Narrow 3993 Lumens



ZONE	LUMENS
0-10	175.00
10-20	501.45
20-30	733.69
30-40	747.87
40-50	596.59
50-60	469.07

ZONE	LUMENS	% OF FIXTURE
0-20	537.14	13.40
0-30	1131.35	28.30
0-40	1837.88	45.90
0-60	3199.99	80.00
0-80	3936.85	98.40
0-90	3992.86	99.80

Distribution Wide 3993 Lumens

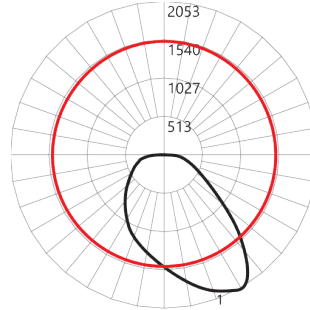


ZONE	LUMENS
0-10	139.63
10-20	397.53
20-30	594.23
30-40	706.56
40-50	721.43
50-60	640.73

ZONE	LUMENS	% OF FIXTURE
0-20	537.16	13.40
0-30	1131.39	28.30
0-40	1837.95	45.90
0-60	3200.11	80.00
0-80	3937.00	98.40
0-90	3993.02	99.80

PHOTOMETRIC DATA: LDS SERIES

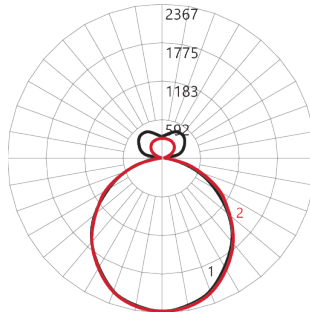
Wall Wash 3838 Lumens



ZONE	LUMENS
0-10	151.85
10-20	443.98
20-30	683.39
30-40	743.76
40-50	608.43
50-60	470.32

ZONE	LUMENS	% OF FIXTURE
0-20	595.84	15.50
0-30	1279.22	33.30
0-40	2022.99	52.70
0-60	3101.73	80.80
0-80	3746.99	97.60
0-90	3837.66	100.00

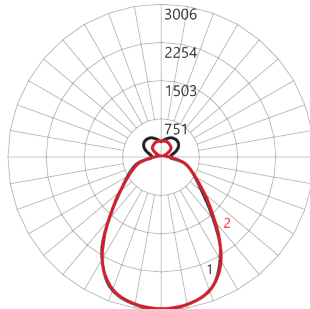
W1 - Wide + Uplight 8002 Lumens



ZONE	LUMENS
0-10	223.44
10-20	636.13
20-30	950.96
30-40	1130.69
40-50	1154.62
50-60	1026.53
60-70	772.84
70-80	440.22
80-90	143.43
90-100	93.83
100-110	153.63
110-120	220.17
120-130	264.40
130-140	266.42
140-150	229.84
150-160	167.13
160-170	96.77
170-180	31.35

ZONE	LUMENS	% OF FIXTURE
0-20	859.58	10.70
0-30	1810.53	22.60
0-40	2941.22	36.80
0-60	5122.37	64.00
0-80	6335.42	79.20
0-90	6478.86	81.00
10-90	6255.41	78.20
20-40	2081.55	26.00
20-50	3236.26	40.40
40-70	2953.98	36.90
60-80	1213.05	15.20
70-80	440.22	5.50
80-90	143.43	1.80
90-110	247.46	3.10
90-120	467.63	5.80
90-130	732.03	9.10
90-150	1228.29	15.30
90-180	1523.53	19.00
110-180	1276.06	15.90
0-180	8002.38	100.00

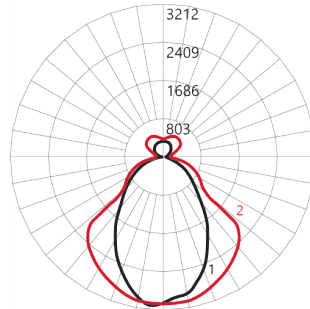
N1 - Wide + Uplight 8003 Lumens



ZONE	LUMENS
0-10	284.16
10-20	811.53
20-30	1184.21
30-40	1220.11
40-50	970.21
50-60	742.23
60-70	609.43
70-80	461.06
80-90	196.95
90-100	93.97
100-110	153.53
110-120	219.96
120-130	264.22
130-140	266.31
140-150	229.89
150-160	167.29
160-170	96.93
170-180	31.41

ZONE	LUMENS	% OF FIXTURE
0-20	1095.69	13.70
0-30	2279.90	28.50
0-40	3500.01	43.70
0-60	5212.45	65.10
0-80	6282.94	78.50
0-90	6479.89	81.00
10-90	6195.72	77.40
20-40	2404.32	30.00
20-50	3374.52	42.20
40-70	2321.87	29.00
60-80	1070.49	13.40
70-80	461.06	5.80
80-90	196.95	2.50
90-110	247.50	3.10
90-120	467.46	5.80
90-130	731.67	9.10
90-150	1227.88	15.30
90-180	1523.51	19.00
110-180	1276.02	15.90
0-180	8003.40	100.00

L1 - Wide + Uplight 8003 Lumens



ZONE	LUMENS
0-10	293.92
10-20	815.43
20-30	1159.95
30-40	1271.31
40-50	1149.67
50-60	766.88
60-70	558.03
70-80	333.32
80-90	133.17
90-100	93.17
100-110	152.91
110-120	219.47
120-130	263.94
130-140	266.20
140-150	229.91
150-160	167.37
160-170	97.02
170-180	31.46

ZONE	LUMENS	% OF FIXTURE
0-20	1109.35	13.90
0-30	2269.30	28.40
0-40	3540.60	44.20
0-60	5457.15	68.20
0-80	6348.51	79.30
0-90	6481.67	81.00
10-90	6187.75	77.30
20-40	2431.25	30.40
20-50	3580.92	44.70
40-70	2474.58	30.90
60-80	891.35	11.10
70-80	333.32	4.20
80-90	133.17	1.70
90-110	246.08	3.10
90-120	465.55	5.80
90-130	729.49	9.10
90-150	1225.59	15.30
90-180	1521.44	19.00
110-180	1275.36	15.90
0-180	8003.11	100.00

For Additional Information or Product Technical Questions:
lightingproinfo@currentlighting.com