DR25 LED . Recessed	CAT #:
	PREP BY:
	DATE:
	PROJECT:
	ТҮРЕ:
More dimension info on p2	NOTES:

### **ORDERING LOGIC**

Sample part number: DR25-2L35K-4-N-N-SA-L3-1-T-1-N

		0	pti <u>cs</u>			
DR25		N	N	1	Т	N
Model	Color Temp Length	Up	Down Fini	sh LL/Driver Circuitry	Mounting Volt	tage Controls
Color Temp	Length	Optics Up	Finish	Light Level (LL) / Driver*	Circuitry	Voltage
<b>2L30K =</b> 3000K	<b>2 =</b> 2 ft	<b>N =</b> None	<b>B</b> = Black	Fixture Lumens	<b>1</b> = 1 Circuit	<b>1</b> = 120 V
<b>2L35K =</b> 3500K	<b>4</b> = 4 ft	Optics Down	<b>SA =</b> Satin Aluminum	Light level measured at 3500K. Add 3% lumen output for 4000K or subtract 2% lumen output for 3000K.	Mounting	<b>2 =</b> 277 V
<b>2L40K =</b> 4000K	<b>8 =</b> 8 ft	<b>N =</b> None	<b>W</b> = White	0-10V Dimming (Standard) 3500k	T = Recessed T-Bar	<b>3 =</b> 347 V
	<b>R</b> = Continuous Rows		<b>C</b> = Custom Finish Specify RAL#:	L1 = 2424		<b>4 =</b> UNV (120 - 277 V)
				L2 = 3086 L3 = 4434		Controls
				<b>L4 =</b> 8480		N = None
				Based on 4ft sections. * All drivers remote mounted.		

### **SPECIFICATIONS**

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Rigid 3-piece extruded aluminum body with 22-gauge steel top cover plate. End Caps: Steel powder coated. Optical System: Mid-flux LED technology transmits to internal smooth, high performance reflectors. Open luminaire, no lens design.

CRI: 83+ (3500K) (80 minimum for all CCT) Lumen Maintenance: At an ambient operating temperature of 25°C our LED system as a standard on our entire LED product offering at 0-10V. Dimming range is dow

L85  $\geq$  60 000hrs. Finish: Black, satin aluminum, or white powder coated paint finish. For custom finish, contact factory.

Mounting: Fits both 9/16" and 15/16" T-Bar. Mounting brackets provided. Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming range is down to 1%. Power factor @ full load is >90% with a Class 2 rating. All drivers remote mounted. **Controls:** Not available.

Lutron Driver Options: Consult factory for Lutron LED driver options:

• LHE H-Series Hi-lume 1% EcoSystem

• LA2 A-Series Hi-lume 1% 2-wire

• L5E 5-Series EcoSystem Approvals: Certified to NRTL safety and IES Recommendation testing standards. All components are UL/CSA/QPS recognized or listed. RoHS, LM79, LM80 and LM82 compliant. Driver is FCC Part 15 compliant. Environment: Suitable for dry locations.

# WARRANTY

Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

### LUMINAIRE WATTAGE AND OUTPUT SPECIFICATION

Light Level	Wattage	Lumens	Efficacy	Lumen Adjustment Factor			
		Delivered	(LPW)	Color Temp	80 CRI	90 CRI	
L1	27.784	2424	87				
L2	35.416	3086	87	3000K	0.984	0.873	
				3500K	1.000	0.875	
L3	48.576	4434	91	6000K	1 0 2 2	0.070	
L4	97.244	8480	87	4000K	1.032	0.879	
L4	77.244	0400	07				

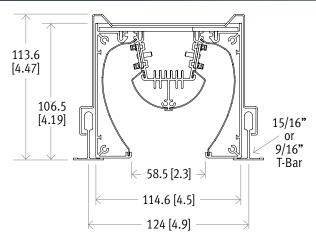
Date

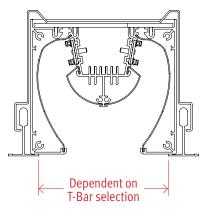
#### **APPROVALS** Signature

FILE NAME: DR25\_LED\_T\_SPEC\_SHEET\_20190612

570 Southgate Drive, Guelph, Ontario N1G 4P6 Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9 1.800.621.6785 | T 519.822.4381 | F 519.822.4589 www.metalumen.com Metalumen SPECIFICATION SHEET | PAGE 1

#### **CROSS SECTION DETAIL**





## **PHOTOMETRIC DATA - 3500K**



File Name:DR25Luminaire Lumens:4434Total Watts:48.57Efficacy:91 lm:Optics Up:NoneOptics Down:None

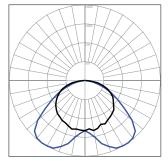
DR25-2L35K-4-L3 ens: 4434 48.576 91 lms/W None None

#### COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80			70			50				
RW	70	50	30	10	70	50	30	10	50	30	10
RCR											
0	119	119	119	119	116	116	116	116	111	111	11
1	108	103	98	94	105	101	97	93	96	93	90
2	98	89	82	75	95	87	80	75	83	78	73
3	88	77	68	62	86	75	67	61	72	66	60
4	80	68	58	51	78	66	58	51	64	56	50
5	73	60	50	43	71	59	50	43	56	49	43
6	67	53	44	37	65	52	43	37	50	43	37
7	62	48	39	32	60	47	38	32	46	38	32
8	58	43	34	28	56	43	34	28	41	34	28
9	54	40	31	25	52	39	31	25	38	30	25
10	50	36	28	23	49	36	28	22	35	27	22

#### PHOTOMETRIC CURVE



#### LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical	Ho	Horizontal Angle			
Angle	0	90			
45	7153	7180	7026		
55	7210	6620	4855		
65	7460	4464	3062		
75	7246	2305	1589		
85	4284	565	404		

#### **CANDLE DISTRIBUTION**

Vertical		Ho	rizontal A	ngle	
Angle	0	22.5	45	67.5	90
0	927.81	927.81	927.81	927.81	927.81
5	895.97	942.32	991.84	989.54	977.07
10	937.74	948.48		1041.02	1065.62
15	915.62	972.98	1104.73	1150.86	1206.87
20	862.94	987.01	1159.59	1272.5	1299.68
25	883.05	1004.83	1232.67	1353.09	1379.29
30	843.67	1024.11	1251.78	1368.98	1396.24
35	818.06	1037.58	1272.68	1371.19	1402.28
40	787.56	1029.09	1245.65	1337.96	1385.36
45	759.27	1011.36	1204.14	1287.87	1321.85
50	689.79	963.46	1150.47	1178.39	1141.26
55	642.37	909.44	1061.95	945.1	893.69
60	596.36	850.31	891.85	725.44	693.44
65	517.32	755.9	661.79	541.63	534.21
70	437.93	614.83	466.89	402.24	379.45
75	344.12	419.44	303.27	263.25	253.52
80	234.13	232.55	173.19	159.67	149.42
85	103.62	86.06	62.72	56.64	56.47
90	16.87	11.02	7.31	5.27	5.69

FILE NAME: DR25\_LED\_T\_SPEC\_SHEET\_20190612

