

## DESCRIPTION

Corelite has reinvented itself with the introduction of the DIVIDE series powered by Wavestream™ LED. The broad offering of efficient LED products include a complete family of recessed, suspended, surface, and wall mounted luminaires. A modern and low profile design is taken to a whole new level with functionally engineered features for practical use. High performing Accu-Aim™ optics allow for maximum energy savings while achieving desired light levels. The Corelite DIVIDE series is ideal for open offices, private offices, conference rooms, reception areas, retail, hallways, and educational facilities.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Construction

Low profile housing and integral gear tray constructed from extruded Aluminum and die-formed 20 gauge cold rolled steel. Maximum 6 lb/ft.

### End Caps

Precisely engineered 2 piece die cast magnesium alloy end caps attach mechanically to the end of the fixture without exposed fasteners visible from the below the fixture.

### Lens

Lens is an optical grade acrylic embedded with patented Accu-Aim™ micro-optics for optimal distribution, low glare, and high performance.

### Reflectors

Internal reflectors are high reflectance white powder coat painted steel.

### Finish

Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint. ROHS Compliant.

### LED System

Fixture equipped with proprietary Cooper edgelit LED modules available in 3000, 3500, or 4000K color temperatures with a CRI ≥ 82 nominal. LED modules are precisely coupled with acrylic lens for optimal performance. Binning: Per ANSI, 3-step MacAdam Ellipse. LED modules are located on outer edge of light fixture for ideal thermal management and increased product life.

### Electrical

LED modules are driven using a universal constant current LED driver (Power Factor ≥ 0.9). Fixture and modules are certified to cULus – Damp Location standards and IC Rated. 0-10V dimming control is standard. Integral Fifth Light DALI drivers are available for as an option for complete digital energy management.

### Mounting

Aircraft cable mounts on 4'-0" and 8'-0" centers. Fixture is balanced to allow for minimal leveling and simple installation. Refer to installation instructions for various ceiling interface details.

### Reflectors (Optional)

Dust Cover (DC) option is a clear formed polycarbonate for worry free cleaning and protection. Frosted Cover (FC) option is a frosted formed polycarbonate for worry free cleaning, reduced uplight, and protection. Solid Cover kit (SC) reflectors are high reflectance white powder coat painted steel.

### Life and Warranty

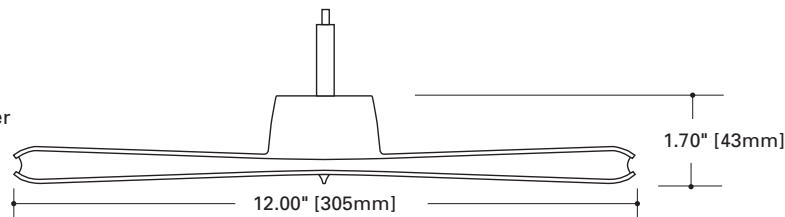
LED system rated for a minimum of L70 @ 50,000 hours (Light Level 5). Five-year warranty.



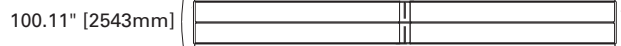
## DIVIDE Suspended

LED

4', 8', Continuous



### LENGTHS



## ORDERING INFORMATION

Sample Number: DSI-WS-2L35-1D-UNV-AC48-T14-5LT

<b>DSI</b>	<b>WS</b>	<b>1</b>	<b>A</b>	<b>48</b>	<b>120</b>	<b>4'</b>	<b>DS</b>	<b>Blank</b>	
<b>Series</b> DSI = Divide Suspended Integral Driver	<b>Optics</b> WS = Wavestream	<b>Light Level</b> 1 = Light Level 1 2 = Light Level 2 3 = Light Level 3 4 = Light Level 4 5 = Light Level 5	<b>Number of Circuits</b> 1 = 1 Circuit	<b>Input Voltage</b> 120 = 120V 277 = 277V UNV = Universal (120V-277V) <sup>3</sup> 347 = 347V <sup>4</sup>	<b>Power Feed</b> C = Straight Cord K = Curly Cord	<b>Suspension Length</b> 48 = 48" 120 = 120" 240 = 240" 300 = 300" 360 = 360"	<b>Length</b> 4 = 4' 8 = 8' XX = Specify Length <sup>5</sup>	<b>Integral Control Options</b> DS = Day-Sense Integral Sensor <sup>7</sup> 2S = 2Sense Integral Sensor <sup>8</sup> Blank = None	<b>Finish</b> Blank = White S = Silver CC = Custom Color
		<b>Color Temperature</b> L30 = LED, 3000K L35 = LED, 3500K L40 = LED, 4000K	<b>Wiring</b> D = Dimming <sup>1</sup> B = Battery Backup <sup>2</sup> T = Nightlight Y = Daylight E = Emergency Circuit	<b>Suspension</b> A = Aircraft Cable	<b>Ceiling Type</b> T1 = 1" T Bar T9 = 9/16" T Bar TS = Slotted T Bar ST = Structure JB = 4" Octagonal J-Box	<b>Driver Options</b> 5LT = Fifthlight Driver LUT = Lutron Driver <sup>6</sup> Blank = Standard 0-10V Driver	<b>Top Cover Options<sup>9</sup></b> DC = Dust Cover FC = Frosted Cover SC = Solid White Cover Blank = No Cover		

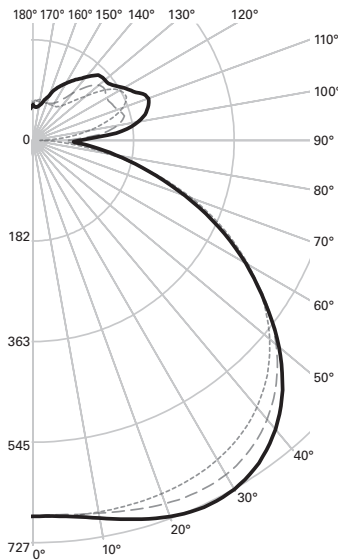
**PHOTOMETRICS**

**DSI-WS-1L40-1C-UNV-4**

3459 Lumens  
32.0 Watts  
108 LPW

Test Report  
1,890

Angle	0-Deg	45-Deg	90-Deg
0	679	679	679
5	681	682	679
10	682	684	684
15	681	686	691
20	679	686	698
25	675	683	701
30	666	676	697
35	652	660	683
40	629	637	658
45	599	603	622
50	558	559	574
55	508	505	516
60	449	444	447
65	381	375	372
70	305	300	295
75	222	218	216
80	138	139	141
85	64	70	85
90	13	33	59
95	56	86	119
100	104	113	155
105	143	120	171
110	173	134	163
115	186	152	157
120	181	160	154

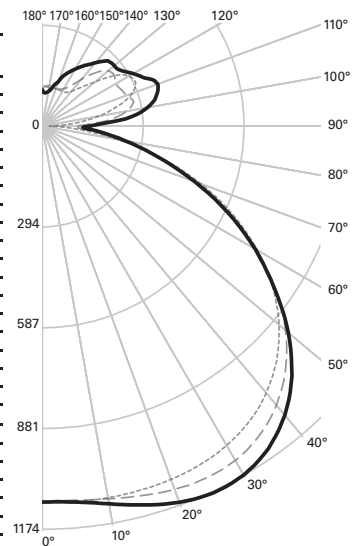


**DSI-WS-3L35-1C-UNV-4**

5576 Lumens  
56.8 Watts  
98.2 LPW

Test Report  
1,896

Angle	0-Deg	45-Deg	90-Deg
0	1095	1095	1095
5	1098	1099	1094
10	1099	1103	1102
15	1098	1106	1114
20	1095	1106	1126
25	1088	1102	1131
30	1074	1089	1124
35	1050	1064	1101
40	1015	1027	1061
45	965	971	1002
50	900	902	925
55	820	815	831
60	724	716	720
65	614	604	599
70	492	483	476
75	358	351	348
80	223	224	228
85	103	113	138
90	21	53	95
95	90	139	192
100	167	181	250
105	230	194	276
110	279	216	263
115	300	244	253
120	292	258	248



**Coefficients of Utilization**

**Effective floor cavity reflectance**

rc	80%			70%			50%			30%			10%			0%		
	rw	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
RCR																		
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	102	97	93	89	97	93	89	85	84	81	78	76	74	71	69	67	65	61
2	93	84	77	71	88	80	74	69	73	68	63	66	62	58	59	56	53	50
3	84	73	65	58	79	70	62	56	63	57	52	57	52	48	52	48	44	41
4	76	64	56	49	72	61	53	47	56	49	44	51	45	41	46	41	38	35
5	70	57	48	41	66	55	46	40	50	43	37	45	39	35	41	36	32	30
6	64	51	42	36	61	49	41	35	45	38	32	41	35	30	37	32	28	25
7	59	46	37	31	56	44	36	30	40	33	28	37	31	26	33	28	25	22
8	55	42	33	27	52	40	32	27	37	30	25	33	28	23	30	26	22	20
9	51	38	30	24	49	36	29	24	33	27	22	31	25	21	28	23	20	17
10	48	35	27	22	45	33	26	21	31	24	20	28	23	19	26	21	18	16

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0-30	586	16.9
0-40	1011	29.2
0-60	1934	55.9
0-90	2608	75.4
90-120	468	13.5

**Coefficients of Utilization**

**Effective floor cavity reflectance**

rc	80%			70%			50%			30%			10%			0%		
	rw	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
RCR																		
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	102	97	93	89	97	93	89	85	84	81	78	76	74	71	69	67	65	61
2	93	84	77	71	88	80	74	69	73	68	63	66	62	58	59	56	53	50
3	84	73	65	58	79	70	62	56	63	57	52	57	52	48	52	48	44	41
4	76	64	56	49	72	61	53	47	56	49	44	51	45	41	46	41	38	35
5	70	57	48	41	66	55	46	40	50	43	37	45	39	35	41	36	32	30
6	64	51	42	36	61	49	41	35	45	38	32	41	35	30	37	32	28	25
7	59	46	37	31	56	44	36	30	40	33	28	37	31	26	33	28	25	22
8	55	42	33	27	52	40	32	27	37	30	25	33	28	23	30	26	22	20
9	51	38	30	24	49	36	29	24	33	27	22	31	25	21	28	23	20	17
10	48	35	27	22	45	33	26	21	31	24	20	28	23	19	26	21	18	16

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0-30	945	16.9
0-40	1630	29.2
0-60	3118	55.9
0-90	4204	75.4
90-120	755	13.5

4' Divide Suspended and Surface LED Light Level Outputs					
Light Level	Wattage	Lumens (delivered)	Efficacy (LPW)	Fluorescent Equivalent	Energy Savings*
1	31.8	3290	103	1T5HO	46%
2	45.4	4622	102	2T5	29%
3	56.9	5576	98	2T5HO	51%
4	74.4	7157	96	3T5	22%
5	94.4	8731	92	3T5HO	46%

\*Energy savings based upon standard lamp/ballast combinations using an equivalent I2 fluorescent with frosted lens.

**Notes:**

- 1 Dimming wires come standard with all fixtures. Controls wires can be capped in the field for standard switched circuit operation.
- 2 Only one battery pack per 4' fixture. Battery is not available in Light Level 5.
- 3 This option accommodates 120/220/240/277V at 60Hz.
- 4 347V is achieved using a remote mounted transformer.
- 5 Continuously mounted standard row configurations over 8' consist of 4' and 8' sections.
- 6 Lutron Driver not available in Light Levels 4 and 5.
- 7 Sensor must be combined with 0-10V dimming driver.
- 8 Sensor must be combined with 0-10V dimming driver.
- 9 Top cover options cannot be combined with any other top cover options.