

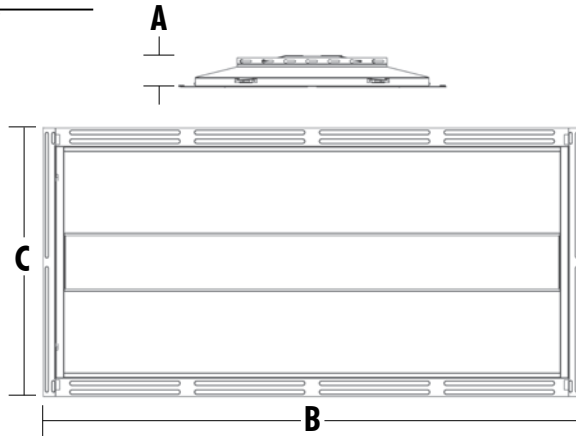
PROJECT NAME: _____ DATE: _____
 CATALOG#: _____ TYPE: _____

DĀLUME

Darline Collection

2' x 4' L.E.D. Center Bevel (Retro-Fit)

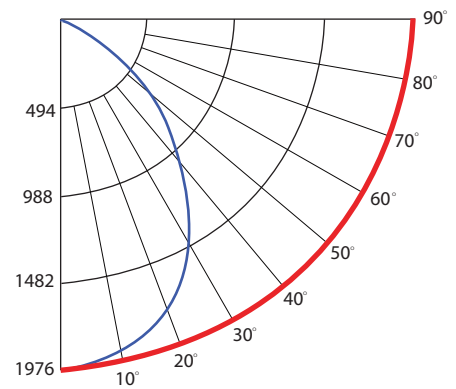
DIMENSIONS (Center Bevel)	
A: DEPTH	2.8"
B: LENGTH	48."
C: WIDTH	23.9"



Performance

OUTPUT PERFORMANCE

IES INDOOR REPORT DRL28-35W-UD-40K-RF-IES



ZONAL LUMEN SUMMARY

Zone	Lumen	%Fixt
0-30	1507.76	35.3
0-40	2376.77	55.6
0-60	3661.65	85.7
0-90	4274.39	100
0-180	4274.62	100

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.84
10-20	532.72
20-30	788.2
30-40	869.01
40-50	746.5
50-60	538.38
60-70	352.07
70-80	203.35
80-90	57.32
90-100	.02
100-110	.03
110-120	.01
120-130	0
130-140	0
140-150	.03
150-160	.06
160-170	.06
170-180	.03

APPLICATION

General lighting for environments where wide, crisp and even light distribution is required. Ideal for applications such as Healthcare, Education, Public Spaces and Commercial.

FEATURES

Center mounted bevel channel houses advance optics diffuse lamp image while providing superior even balanced illumination. Door hinge design for easy maintenance and washable surface. Supplied with Retro-Fit LED Luminaire, Brackets, Safety Cable and Relamping tables.

ELECTRICAL

120V/277 Vac 50/60Hz
 0-10V Dimmable Standard
 24W Emergency Mode Option
 347V Input Option

HOUSING/OPTICS

Premium 20 gauge cold rolled steel housing / frosted acrylic shield.
 High reflectance (91%) matte white polyester powder coat providing high luminaire efficiency with 120 lumens/Watt, 80+ CRI, +/- 100 CCT. Extra Wide 180° beam angle.

MOUNTING

Retro-Fit mounting of traditional 2x4 fluorescent Lay-In/Louver Troffers, specify (-RF). A minimum of 45.87" x 23.42" x 3.07" cavity is required.

CERTIFICATION

UL Listed to UL/cUL standards 1598 for dry or damp locations. DLC Approved. 60,000H L70. Standard options may have contact with loose insulation (IC Rated) with exception to Emergency Back-up option. EM requires 3" spacing from insulation on all surfaces.

WARRANTY

5-year limited warranty to be free from defect in material and workmanship from the date of manufacture.

Example: DRL28-35-UD-30K-RF

Ordering	LAMPING	DRIVER AND VOLTAGE	COLOR TEMP	OPTIONS
DRL28	-35 :35W (4275Lm)	UD 120V/277V Dimming -347V 347V Dimming	-30K 3000K* -35K 3500K -40K 4000K* -50K 5000K*	-RF Retro-Fit -EM Emergency Backup**

Note: * Designates extended lead time.
 ** Non IC Rated.

2017.01

OPERATING COST COMPARISON

FIXTURE SUMMARY DALUME DRL28 LED 2 x 4		VS.	FLUORESCENT 2 x 4	
Fixture:	DRL28-35W-35K-UD-RF		Prismatic Lens	
Light Source:	35W LED		1x54W T5HO Lamps	
Fixture Size:	2' x 4'		2' x 4'	
Lamp Life (Hours):	50,000		20,000	
Fixture Lumens:	4274.6		3915	
Input Watts:	34.46 W		58.6W	
Luminaire Efficiency:	124.05 lm/W		67 lm/W	
Warranty:	5 Years		1 Year	

Layout study based on 50 fixtures in a 50' x 100' space with 9' ceilings

ILLUMINANCE SUMMARY		
Number of Fixtures:	50	50
Average Illuminance:	42fc	38fc
Uniformity (Min/Max fc):	1.70	1.75
Watts Per Square Foot:	0.36W/ft ²	0.59W/ft ²

OPERATING COST SUMMARY		
Annual Energy Cost		
Per Fixture*:	\$15.77	\$25.67
Annual Relamping		
Cost per Fixture**:	\$0.00	\$5.69
Annual Operating Labor Costs:	\$788.40	\$1,568.04

Annual Operating Cost reduced by 50%

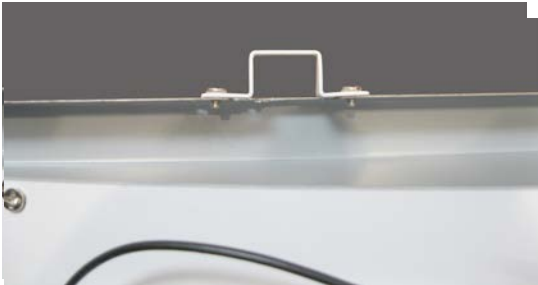
*Total input watts x 12hrs/day x 365days/year x \$0.10/KWH/1000
 **Replacement cost for 1 lamp (lamp and labor) x annual hours of operation/lamp life

INSTALLATION KEY FEATURES

Universal Keyhole mounting holes for retrofitting existing fluorescent fixtures.



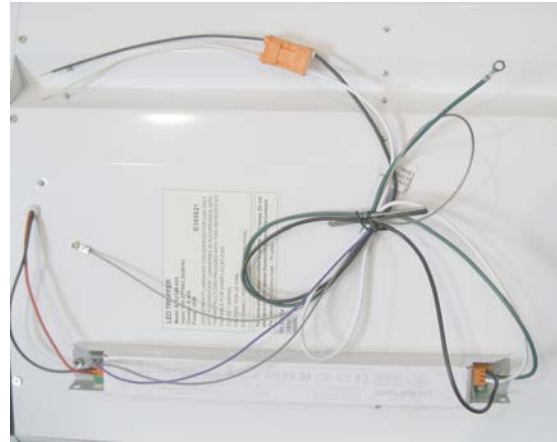
Swing and hang retro-fit luminaire for support.



Open/Close latches for easy installation and maintenance.

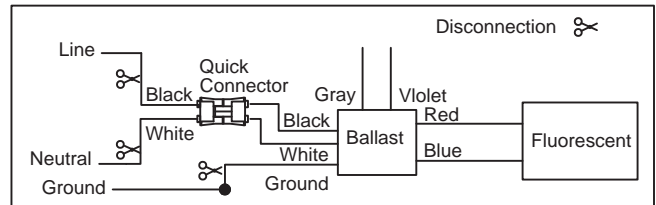


Pre-wired quick connectors included.

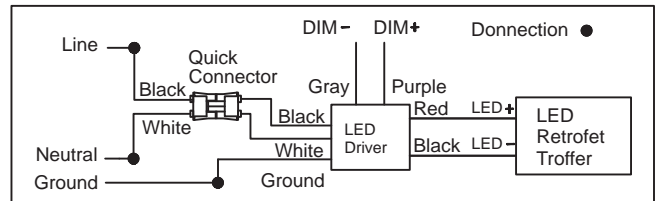


WIRING DIAGRAM

Before Installation of the Wiring Diagram



After Installation of the Wiring Diagram



For a detailed step-by-step explanation, visit dalume.com.

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