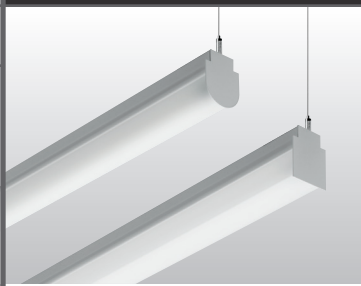


ARCHITECTURAL SLIMLINE SUSPENDED

LLM

tunable **WHITE**



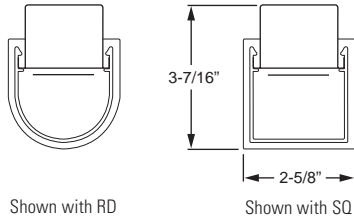
CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

EXAMPLE **LLM - 4 - L40/8TW - S - SQ - AC/D48 - OPTIONS - DALI - UNV**

SERIES NOMINAL LENGTH LUMEN PACKAGE CRI & CCT FIXTURE TYPE SHIELDING MOUNTING OPTIONS/ACCESSORIES CONTROL VOLTAGE

CROSS SECTION



ORDERING INFORMATION

SERIES
LLM Architectural Slimline Suspended – Tunable White

NOMINAL LENGTH

2	2'
4	4'
8	8'

LED PACKAGE

EXAMPLE: L40/8TW		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
2'		
L20	2,000	17
4'		
L25	2,500	21
L40	4,000	35
8'		
L50	5,000	42
L80	8,000	69

Nominal lumen output based on 4000K CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

CRI & CCT
8TW Tunable white (80 CRI, 3000K–5000K)

FIXTURE TYPE

F Electrical feeder unit, straight white cord standard (wire gauge to be determined by row length), quick-connect wiring harness, one end plate installed

J Joiner unit, no cord, quick-connect wiring harness, no end plates

E End unit, no cord, quick-connect wiring harness, one end plate installed

S Stand-alone unit, straight white cord standard, two end plates installed

SHIELDING
RD Round frosted acrylic
SQ Square frosted acrylic

MOUNTING
 See page 3 for details.

EXAMPLE: AC/D48		
MOUNTING	TYPE	LENGTH
AC/ = Aircraft	D = 1' grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"

OPTIONS

EM/10WLP Low profile 10-watt emergency LED driver (Must specify 120V or 277V; available in 4' and 8' lengths only)

(L__) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
Example: 3,500 nominal lumens = LLM-4-L40/8TW-(L35).

CONTROL
 See page 3 for details.

DALI Driver prewired for DALI applications
DIM (1) 0-10V signal to control dimming
 (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications

VOLTAGE

120 120V
277 277V
UNV 120-277V

FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ Slim, low-profile, suspended LED fixture provides an architectural alternative to standard wrap-around fixtures.
- ▶ Efficacies up to 122 lm/W.
- ▶ Round or square profile provides design choices for a variety of applications.
- ▶ Quality, frosted, extruded acrylic lens snaps securely in place to provide gentle diffused illumination.
- ▶ Slim end plates are designed to conform to lens shape and prevent unsightly light leaks.
- ▶ Internal, self-aligning joining method ensures straight rows.
- ▶ This fixture is proudly made in the USA.

tunable **WHITE**

SPECIFICATIONS

Housing – 20-gauge die-formed C.R.S.

Shielding – Frosted, matte acrylic, round or square profile.

Finish – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

Electrical – High quality mid-power LED board. L70 > 50,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.

Mounting – Suspended. 1/16" diameter adjustable steel aircraft cable and mounting hardware necessary for grid ceiling applications provided.

Labels – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.

Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

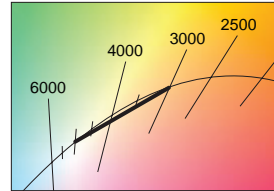
FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
L20	2033	17.3	117.3
4'			
L25	2629	21.4	122.6
L40	4067	34.7	117.4
8'			
L50	5124	41.7	122.8
L80	8133	69.3	117.4

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

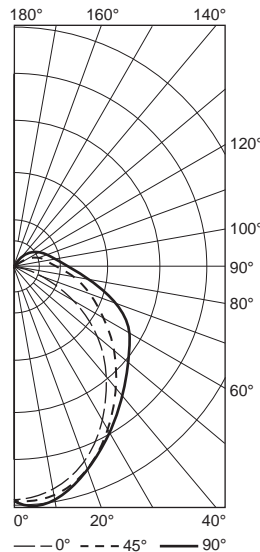
MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04



PHOTOMETRY

LLM-4-L40/8TW-DALI Report #: 17322.0; 05/15/13 | Total Luminaire Output: 4067 lumens; 34.7 Watts | Efficacy: 117 lm/W

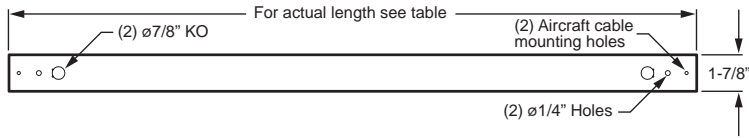


Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	1241	1241	1241	
5	1246	1252	1255	118
15	1149	1168	1174	330
25	992	1028	1043	474
35	801	870	918	539
45	573	701	808	539
55	377	558	709	497
65	227	444	606	429
75	109	326	460	331
85	32	237	342	232
90	5	180	259	
95	0	172	240	160
105	0	139	186	126
115	0	114	154	98
125	0	94	131	74
135	0	76	107	53
145	0	67	94	37
155	0	50	66	20
165	0	37	43	9
175	0	13	25	1
180	0	0	0	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	922	23
	0 - 40	1461	36
	0 - 60	2497	61
	0 - 90	3489	86
	90 - 120	384	11
	90 - 150	548	14
	90 - 180	578	14
	0 - 180	4067	100

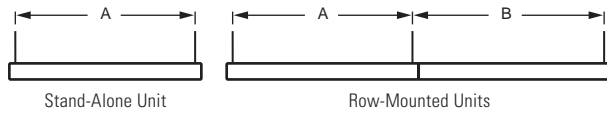
FIXTURE DETAILS

BACK VIEW



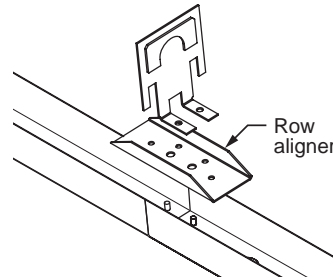
NOMINAL LENGTH	ACTUAL LENGTH
2'	24-5/16"
4'	46-7/16"
8'	92-15/16"

MOUNTING INFORMATION (center to center mounting cable)



NOMINAL UNIT LENGTH	CABLE MOUNT	
	A	B
2'	23-1/4"	24 1/4"
4'	45-3/8"	46 3/8"
8'	91-3/4"	92 3/4"

ROW ALIGNER DETAIL



CONTROL DETAILS

DIM



DALI



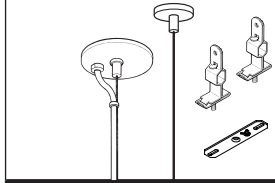
DMX



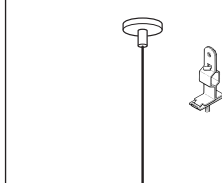
STANDARD HARDWARE

(Grid and Hardpan)

FEEDER



JOINER



Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.