

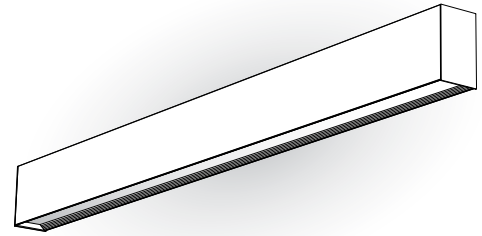
Client _____ Project name _____

Order# _____ Type _____ Qty _____

FEATURES AND BENEFITS

Physical :

- Aluminum extruded housing, 2" wide
- Available in 1', 2', 3', 4', 5', 6', 7' or 8' sections
- Continuous runs available in 1' increments
- Durable polyester powder coat finish
- High reflective matte white powder coated reflector
- Wide flood direct lighting optics
- Frosted regressed extruded acrylic lens
- Wall mounted
- Tool-less system for reflector assembly and control gear access
- Lit and unlit joiners available for custom configurations
- Compatible with motion sensors
- Dry location only
- IK05 rated



lumen talk

Performance :

- Available in 2700K, 3000K, 3500K, 4000K or RGB color mixing
- CRI value: minimum 80
- Binning within a 2 step MacAdam ellipse (white light only)
- Lumen maintenance RO/HO: 126,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO/HO: 19,000 hrs [L95 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 88,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 72,000 hrs [L95 @ 25° C and @ 40° C]
- Resolution per foot or per fixture (configured with LumenID V3 software & DMX/RDM)
- Operating temperatures: 0° C to 40° C [32F to 104F]

Performance summary

Based on RO, 4000K

Optic	Delivered output [lm/ft]	Lumens/Watt [lm/W]
Wide flood	493	86

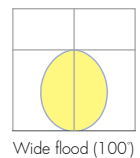
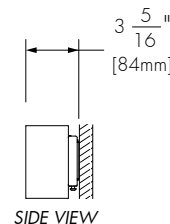
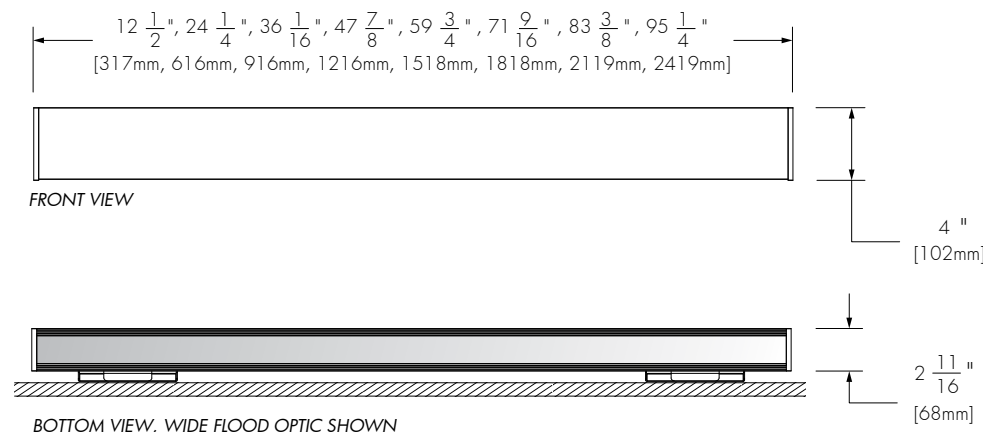
Based on RO RGB

Optic	Delivered output [lm/ft]	Lumens/Watt [lm/W]
Wide flood	115	19

Consult website for latest IES files.

Electrical :

- Line voltage luminaire for 100 to 277V
- 6W/ft Regular Output version
- 12W/ft High Output version
- 6W/ft optional RGB source
- Dimming options for white light: Lumentalk, 0-10 volt, DALI or DMX/RDM enabled
- Control options for RGB: Lumentalk or DMX/RDM enabled
- Quick connectors for continuous runs

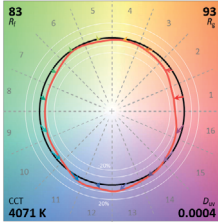


SURFACE - REGRESSED LENS - WALL MOUNT
DIRECT LIGHTING
SINGLE UNITS
CONTINUOUS RUNS
SHAPES

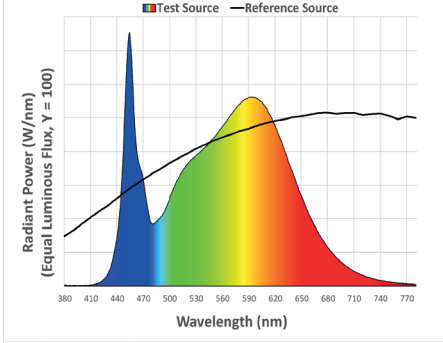
CHROMATICITY DATA

TM-30 - 4000K

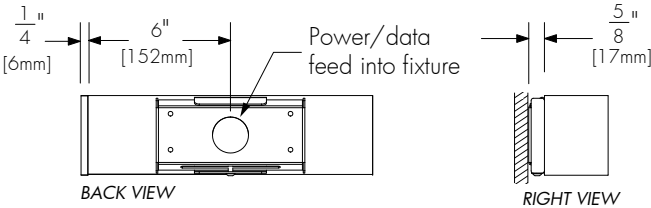
CCT	CIE		TM-30	
4000K	R _a	83	83	R _f
	R _g	4	93	R _g



Spectral Power Distribution

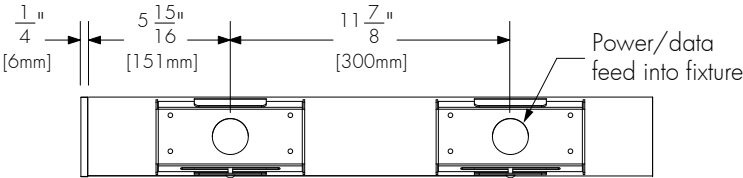


WALL MOUNTING DETAILS



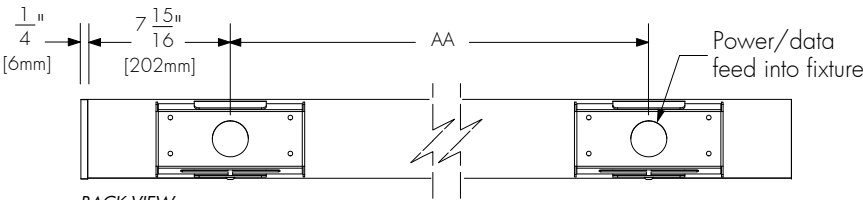
BACK VIEW

Wall mounting detail for 1' units
N.B. Horizontal 2" x 4" junction box required



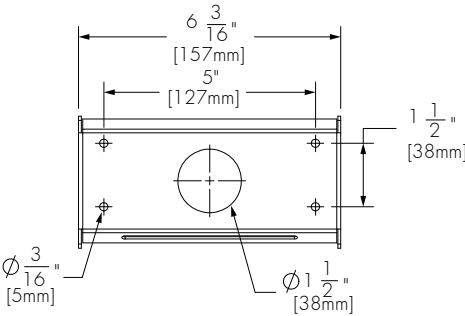
BACK VIEW

Wall mounting detail for 2' units
N.B. Horizontal 2" x 4" junction box required



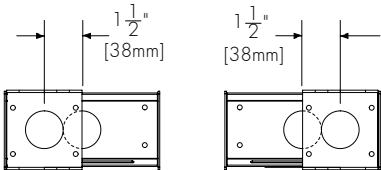
BACK VIEW

Wall mounting detail for 3' to 8' units
N.B. Horizontal 2" x 4" junction box required



BACK VIEW

Mounting holes pattern for
Wall mounting plate

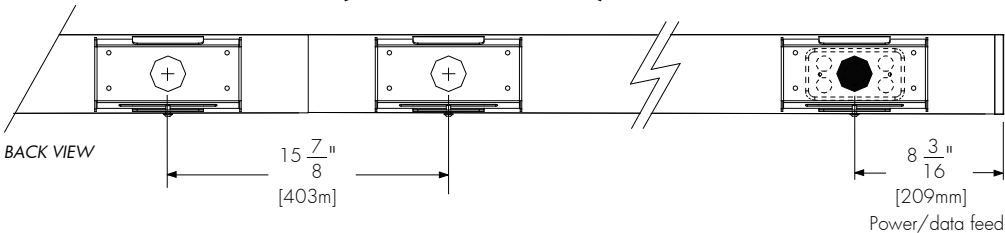


FRONT VIEW

Fixture's wall mounting plates
positioning horizontal tolerance

Nominal fixture length	Mounting bracket spacing Dimension AA
3'	19 5/8" [498mm]
4'	31 7/16" [799mm]
5'	43 5/16" [1100mm]
6'	55 1/8" [1400mm]
7'	67" [1702mm]
8'	78 13/16" [2002mm]

WALL MOUNTING DETAIL (CONTINUOUS RUN)



BACK VIEW

Power/data feed

LIT JOINER TYPE AND DIMENSIONS

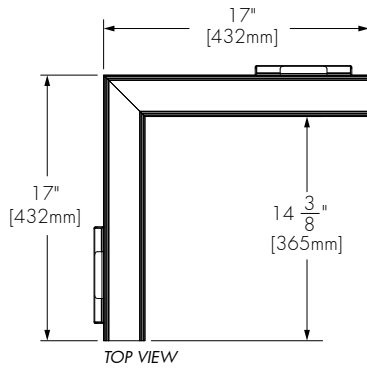
Refer to the SHAPE ordering page

HCNR*

Horizontal 90°

Used to build "L" shapes

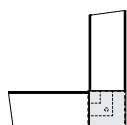
(Equivalent of a 4' fixture)



*Mounting brackets installed on joiner longer sides. Consult factory for mounting brackets installed on joiner shorter sides.

UNLIT JOINER TYPE AND DIMENSIONS

Refer to the SHAPE ordering page



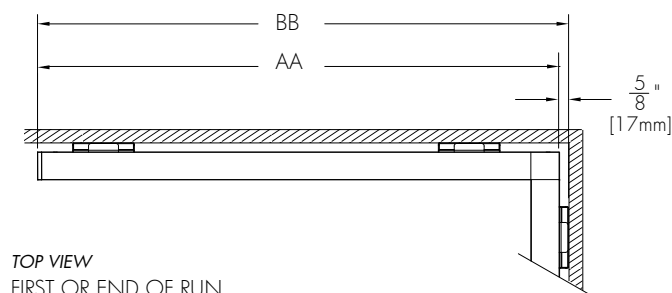
CNR
Corner 90°



LNR
Linear 180°

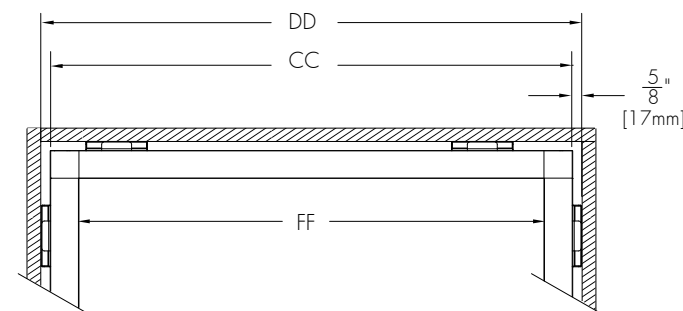
*Consult factory for shapes requiring the LNR joiner.

TYPICAL DIMENSIONS AND MOUNTING POINT LOCATIONS



TOP VIEW
FIRST OR END OF RUN

Nominal fixture length	Overall fixture length Dimension AA	Overall fixture length with brackets Dimension BB
1'	14 7/8" [379mm]	15 1/2" [394mm]
2'	26 5/8" [677mm]	27 1/4" [692mm]
3'	38 1/2" [977mm]	39 1/8" [994mm]
4'	50 5/16" [1279mm]	50 15/16" [1294mm]
5'	62 1/16" [1578mm]	62 11/16" [1592mm]
6'	73 15/16" [1879mm]	74 9/16" [1894mm]
7'	85 13/16" [2181mm]	86 7/16" [2196mm]
8'	97 5/8" [2481mm]	98 1/4" [2496mm]



TOP VIEW
MIDDLE OF RUN

Nominal fixture length	Overall fixture length with corners Dimension CC	Overall length with brackets Dimension DD
1'	17 5/16" [440mm]	18 9/16" [471mm]
2'	29 1/16" [738mm]	30 5/16" [770mm]
3'	40 7/8" [1038mm]	42 1/8" [1070mm]
4'	52 3/4" [1340mm]	54" [1372mm]
5'	64 1/2" [1639mm]	65 3/4" [1670mm]
6'	76 3/8" [1940mm]	77 5/8" [1972mm]
7'	88 1/4" [2242mm]	89 1/2" [2273mm]
8'	100 1/16" [2542mm]	101 5/16" [2573mm]

Nominal fixture length	Middle of run fixture length Dimension FF
1'	11 15/16" [303mm]
2'	23 11/16" [602mm]
3'	35 1/2" [902mm]
4'	47 3/8" [1202mm]
5'	59 1/8" [1504mm]
6'	71" [1804mm]
7'	82 7/8" [2104mm]
8'	94 11/16" [2405mm]

ACCESSORIES

Order separately

Control Systems:

- LID** LumenID is a diagnostic and addressing DMX 512 controller.
It must be specified for all DMX applications.
Refer to LID specification sheet for details.
- LID-LT** LumentalkID is a diagnostic and addressing controller.
It must be specified for all Lumentalk (LT) applications.
Refer to LID-LT specification sheet for details.
- LSC** Programmable, DMX Keypad Controller
The Lumenscene is a user-friendly DMX/RDM lighting controller integrated into a keypad, designed for easy programming and commissioning.

Control Boxes:

- CBX** DMX/RDM control box.
Up to six power and data outputs to fixtures or fixture runs.
Ethernet enabled option.
Refer to CBX specification sheet for details.
- LDB** Lumentalk Data Bridge, 0-10V or DMX output.
Refer to LDB specification sheet for details.

RESOLUTION DETAILS

Applicable for DMX/RDM control option only.
Fixture resolution can be configured on-site within the LumenID V3 software.
A DMX/RDM enabled CBX is required.

Resolution per foot: each foot is addressed independently

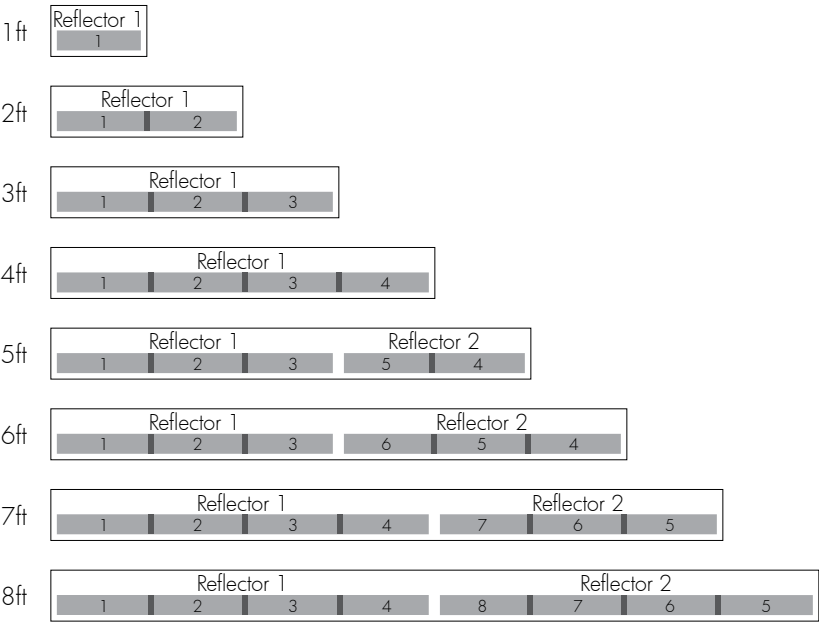
Total number of DMX addresses required per fixture	Single units									Lit joiner HCNR
		1ft	2ft	3ft	4ft	5ft	6ft	7ft	8ft	
	WH	1	2	3	4	5	6	7	8	
	RGB	3	6	9	12	15	18	21	24	12

Resolution per fixture: each reflector is addressed independently

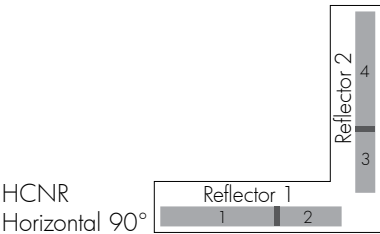
Total number of DMX addresses required per fixture	Single units		Lit joiner HCNR
		1 ft to 4ft	
	WH	1	2
	RGB	3	6
			3

BOARD AND REFLECTOR LAYOUT PER FIXTURE LENGTH

SINGLE UNITS

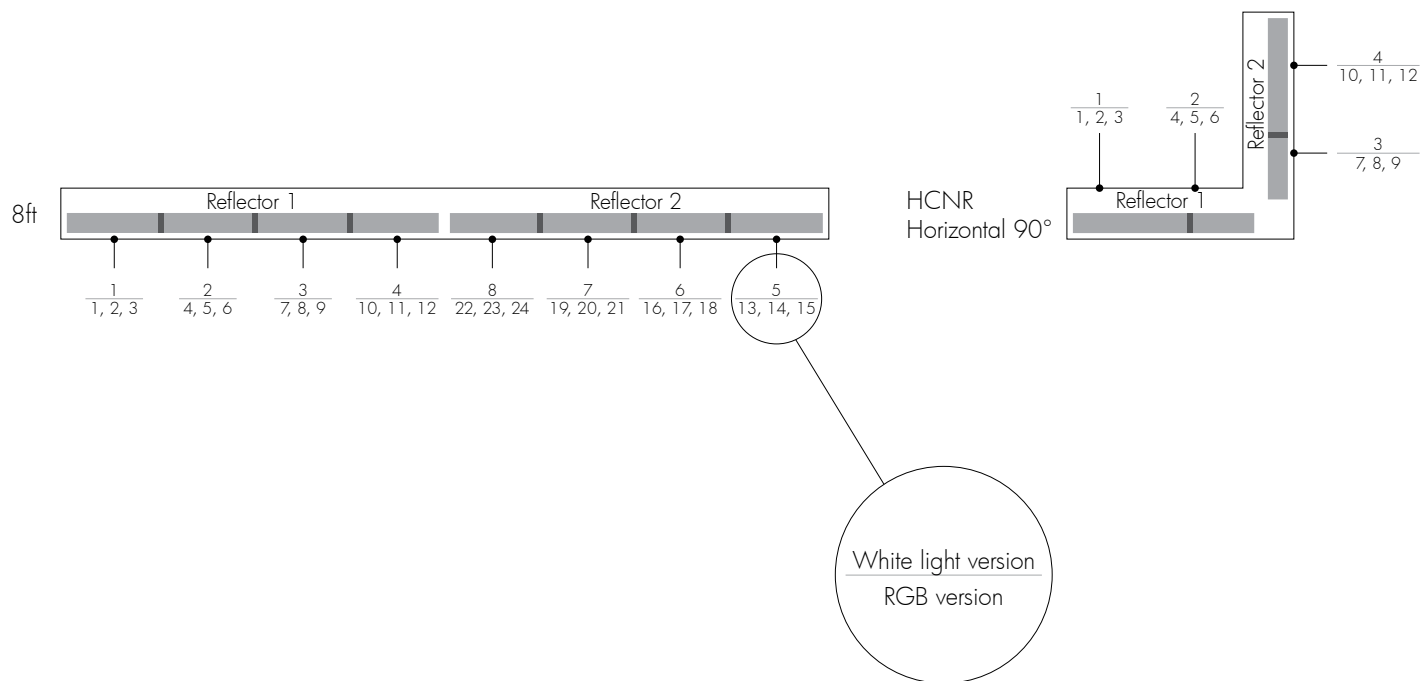


LIT JOINER IN SHAPES

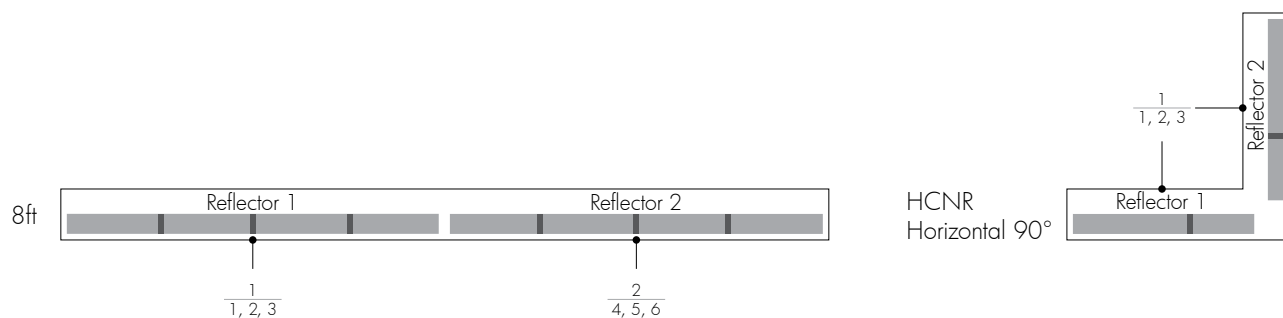


RESOLUTION DETAILS - continued

Example: DMX addresses, resolution per foot, 8ft fixture and HCNR lit joiner



Example: DMX addresses, resolution per fixture, 8ft fixture and HCNR lit joiner

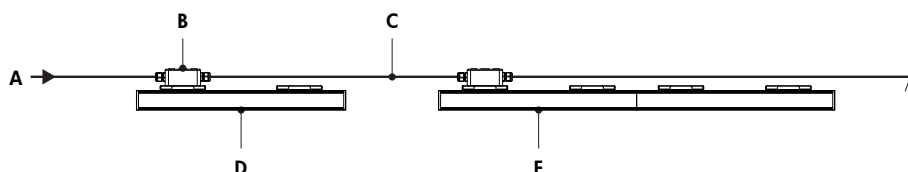


TYPICAL WIRING DIAGRAMS

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

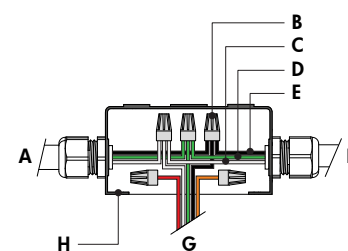
On/Off Control (NO)



- A - Power input (100-277V)
- B - Junction box (by others)
- C - Power wiring (by others)
- D - lumenline Surface Wall Mount, single unit
- E - lumenline Surface Wall Mount, continuous run

- Notes:**
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
 - Regular Output version: 6 watts per foot [0.3m], High Output version: 12 watts per foot [0.3m].

On/Off Control (NO) - Wiring detail

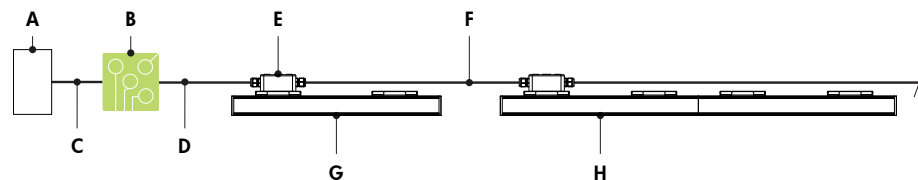


- A - Power input or from previous fixture
- B - Wire-nuts (by others)
- C - Neutral
- D - Ground
- E - Line
- F - To next fixture
- G - To fixture
- H - Junction box (by others)

Lumentalk (LT)

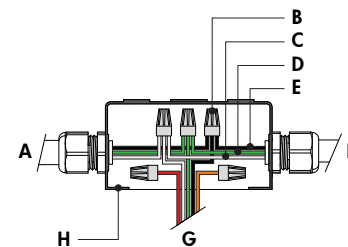
1% minimum dimming value

2' to 8' [0.6 to 2.4m] fixture lengths and continuous runs



- A - Third party dimmer/controller
- B - Lumentranslator 2 (LT2-DIM, -DMX, -TRIAC, -DALI)
- C - Data wiring (by others)
- D - Power line (120-277V AC)
- E - Junction box (by others)
- F - Power wiring (by others)
- G - lumenline Surface Wall Mount, single unit (2' to 8' fixture lengths) [0.6 to 2.4m]
- H - lumenline Surface Wall Mount, continuous run

Lumentalk (LT) - Wiring detail (for 2' to 8' fixture lengths [0.6 to 2.4m] and continuous runs)



- A - Power input (control over power line via Lumentalk system) or from previous fixture
- B - Wire-nuts (by others)
- C - Neutral
- D - Ground
- E - Line
- F - To next fixture
- G - To fixture
- H - Junction box (by others)

TYPICAL WIRING DIAGRAMS - continued

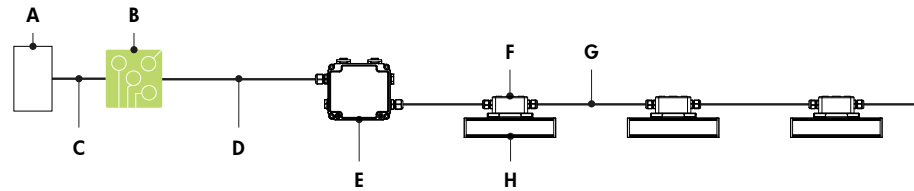
Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

Lumentalk (LT) - continued

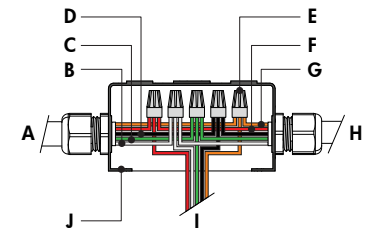
1% minimum dimming value

1' [0.3m] fixtures



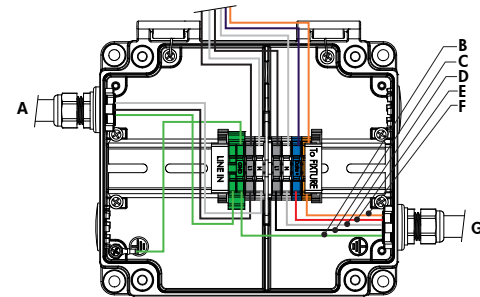
- A - Third party dimmer/controller
- B - Lumentranslator 2 (LT2-DIM, -DMX, -TRIAC, -DALI)
- C - Data wiring (by others)
- D - Power line (120-277V AC)
- E - Lumentalk Data Bridge (LDB-DIM or LDB-DMX)
- F - Junction box (by others)
- G - Power wiring (by others)
- H - Lumenline Surface Wall Mount, single unit (1' [0.3m] fixture length)

Lumentalk (LT) - Wiring detail (for 1' fixtures [0.3 m])



- A - From Lumentalk Data Bridge (control over power line via Lumentalk system) or from previous fixture
- B - Neutral
- C - Ground
- D - Line
- E - Wire-nuts (by others)
- F - 0-10V + / Data +
- G - 0-10V - / Data -
- H - To next fixture
- I - To fixture
- J - Junction box (by others)

Wiring detail using LDB-DIM or LDB-DMX (for 1' fixtures [0.3 m])



- A - Power input (control over power line via Lumentalk system)
- B - Ground
- C - Line
- D - Neutral
- E - 0-10V + / Data +
- F - 0-10V - / Data -
- G - To fixture

- Notes:**
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
 - Lumentalk Data Bridge required for 1' [0.3m] fixture lengths.
 - For white light applications with all fixtures controlled as 1 zone: fixtures and Lumentalk Data Bridge must be specified as DIM. Maximum of 10 fixtures per LDB-DIM, consult factory for applications that require additional capabilities.
 - For white light and RGB applications with fixtures controlled individually: fixtures and Lumentalk Data Bridge must be specified as DMX, 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a IID, 2 - Lumentalk system using LumentalkID software and a IID-IT. Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
 - For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). RGB DMX applications require a DMX Lumentranslator 2 (LT2-DMX) and a DMX controller. Consult factory for details and applications that require additional capabilities.
 - Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
 - No third party fixtures allowed on the same circuit.
 - Consult factory for DALI Lumentalk applications.
 - Regular Output version: 6 watts per foot [0.3m], High Output version: 12 watts per foot [0.3m].

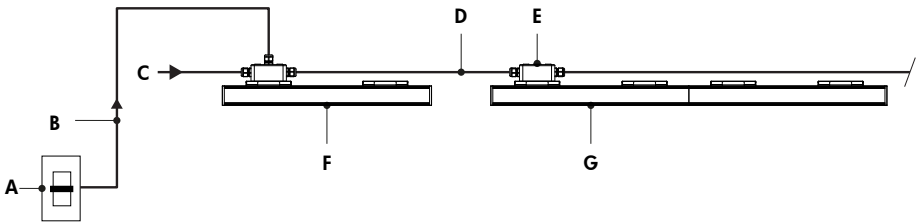
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

0-10V Dimming (DIM)

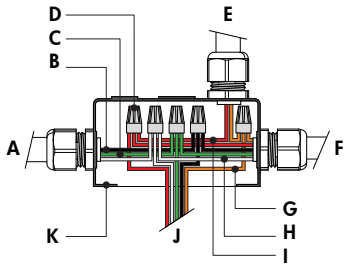
1% minimum dimming value



- A - Third party dimmer
- B - Data wiring (by others)
- C - Power input (100-277V)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - lumenline Surface Wall Mount, single unit
- G - lumenline Surface Wall Mount, continuous run

- Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
 - 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
 - Regular Output version: 6 watts per foot [0.3m], High Output version: 12 watts per foot [0.3m].

0-10V Dimming (DIM) - Wiring detail



- A - Power input or from previous fixture
- B - Line
- C - Ground
- D - Wire-nuts (by others)
- E - From third party dimmer
- F - To next fixture
- G - 0-10V -
- H - Neutral
- I - 0-10V +
- J - To fixture
- K - Junction box (by others)

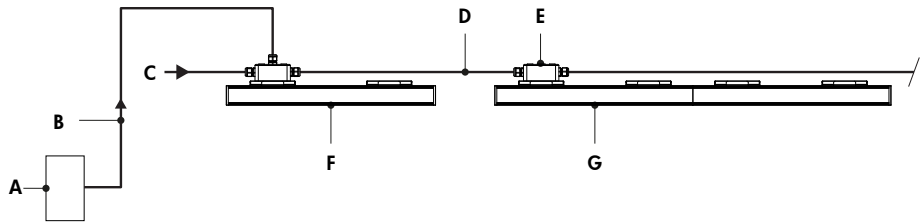
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

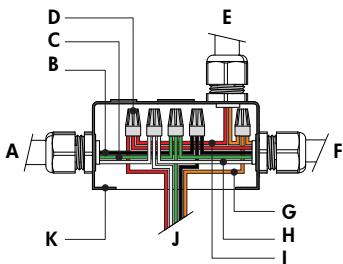
DALI Dimming (DALI)

1% dimming value



- A - Third party DALI controller
- B - Data wiring (by others)
- C - Power input (100-277V)
- D - Power and data wiring (by others)
- E - Junction box (by others)
- F - lumenline Surface Wall Mount, single unit
- G - lumenline Surface Wall Mount, continuous run

DALI Dimming (DALI) - Wiring detail



- A - Power input or from previous fixture
- B - Line
- C - Ground
- D - Wire-nuts (by others)
- E - From DALI controller
- F - To next fixture
- G - Data -
- H - Neutral
- I - Data +
- J - To fixture
- K - Junction box (by others)

Total number of DALI addresses required per fixture

1 x DALI address per reflector

	Single units		Lit joiner
	1ft to 4ft	5ft to 8ft	
WH	1	2	1

- Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
 - Maximum of 64 DALI addresses per DALI loop.
 - Each lumenline reflector requires 1 x DALI address: a lumenline fixture can contain multiple reflectors, refer to Board and Reflector Layout for details. Consult factory for specific applications.
 - Regular Output version: 6 watts per foot [0.3m], High Output version: 12 watts per foot [0.3m].

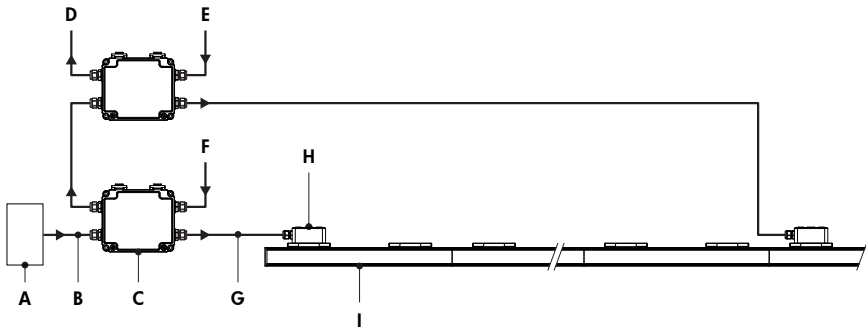
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

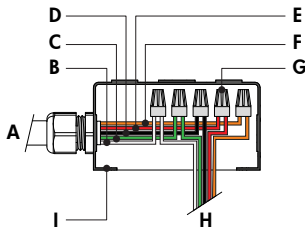
DMX/RDM, Multiple feeds (DMX/RDM) - continued

1% minimum dimming value for white light



- A - Third party DMX/RDM controller
- B - Data input (Belden 9841 or equivalent, by others)
- C - CBX-DS
- D - Data output to next CBX (optional, not isolated/not boosted)
- E - Power input, circuit #1 (100-277V)
- F - Power input, circuit #2 (100-277V)
- G - Power and data output to fixture (wiring by others)
- H - Junction box (by others)
- I - lumenline Surface Wall Mount, continuous run, multiple feeds

DMX/RDM Multiple feeds - Wiring detail



- A - From CBX
- B - Neutral
- C - Ground
- D - Line
- E - Data +
- F - Data -
- G - Wire nuts (by others)
- H - To fixture
- I - Junction box (by others)

- Notes:**
- Consult factory for specific applications and maximum fixture count/cable length recommendations. Maximum run length calculations are typically based on 4' [1.2m] fixtures.
 - Each white light lumenline reflector requires 1x DMX/RDM address, each RGB lumenline reflector requires 3x DMX/RDM addresses: a lumenline fixture can contain multiple reflectors, refer to Board and Reflector layout for details. Consult factory for specific applications.
 - Maximum of 32 DMX/RDM enabled reflectors per CBX output.
 - Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
 - Maximum of 6 outputs per CBX-ST, maximum of 1 output per CBX-DS.
 - For stable DMX/RDM data signal, do not split data wires after the CBX.
 - Regular Output version: 6 watts per foot [0.3m], High Output version: 12 watts per foot [0.3m].

HOW TO ORDER - SINGLE UNITS AND CONTINUOUS RUNS

LLI2S RG	WM	D				WFL			
1	2	3	4	5	6	7	8	9	

1 | Housing:

LLI2S RG - Lumenline™ Surface, Regressed lens, 2" wide

2 | Mounting:

WM - Wall Mount

3 | Light Direction:

D - Direct lighting

4 | Voltage:

100 - 100 volts	240 - 240 volts
120 - 120 volts	277 - 277 volts
208 - 208 volts	
220 - 220 volts	

5 | Length:

SU1 - Single Unit 12 1/2 inches (317mm)¹
 SU2 - Single Unit 24 1/4 inches (616mm)
 SU3 - Single Unit 36 1/16 inches (916mm)
 SU4 - Single Unit 47 7/8 inches (1216mm)
 SU5 - Single Unit 59 3/4 inches (1518mm)
 SU6 - Single Unit 71 9/16 inches (1818mm)
 SU7 - Single Unit 83 3/8 inches (2119mm)
 SU8 - Single Unit 95 1/4 inches (2419mm)
 C__ - Continuous run, specify in 1' increments.

6 | Direct Lighting:

Output & Color temperature²:

dRO 27K - 2700K regular output 6W/ft
 dRO 30K - 3000K regular output 6W/ft
 dRO 35K - 3500K regular output 6W/ft
 dRO 40K - 4000K regular output 6W/ft
 dHO 27K - 2700K high output 12W/ft
 dHO 30K - 3000K high output 12W/ft
 dHO 35K - 3500K high output 12W/ft
 dHO 40K - 4000K high output 12W/ft
 dRO RGB - Tri-color red, green and blue direct lighting 6W/ft³

Optics:

WFL - Wide flood, 100° distribution, frosted lens

7 | Control:

NO - On/Off control
 LT - Lumentalk¹ 4
 DIM - 0-10V Dimming option⁵
 DALI - DALI Dimming option⁶
 DMX/RDM - DMX/RDM enabled⁷ 8

8 | Finish:

BK - Black Sandtex
 SI - Silver Sandtex
 WH - Smooth white
 CC - Custom color and finish (please specify RAL color)⁹

9 | Option:

CE - CE (certification covers European Economic Area)

Notes:

¹ Lumentalk system is enabled with LDB accessory for 1' [0.3m] fixture lengths, see Typical Wiring Diagrams pages for details. A DMX Lumentranslator and controller are required for RGB Lumentalk applications. ² Consult factory for 6500K and 90+ CRI. ³ dRO RGB option requires DMX/RDM or LT control to be specified in control section. ⁴ A DMX Lumentranslator and controller are required for RGB Lumentalk applications. ⁵ 10% minimum dimming value. Current Sink: 3mA/fixture, Current Source: 0.5mA/fixture. ⁶ 1% minimum dimming value. Available with white light only. Consult Typical Wiring Diagram pages for the number of DALI addresses per fixture length and type. ⁷ A control box (CBX) and LumenID (LID) must be specified. ⁸ 1% minimum dimming value. Available with white light only. Fixtures set to by fixture resolution (consult the Resolution Details pages for the number of DMX addresses per fixture length and type). ⁹ Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

HOW TO ORDER - SHAPES

LLI2S RG	WM	D		L			WFL			
1	2	3	4	5	6	7	8	9	10	

1 | Housing:

LLI2S RG - Lumenline™ Surface, Regressed lens, 2" wide

2 | Mounting:

WM - Wall Mount

3 | Light Direction:

D - Direct lighting

4 | Voltage:

100 - 100 volts	240 - 240 volts
120 - 120 volts	277 - 277 volts
208 - 208 volts	
220 - 220 volts	

5 | Length:

IMPORTANT: Side length up to 20' as a standard. Consult factory for any other shape requirements.

L__ - "L" shape: specify side length (equal segments)

6 | Joiner Type:

LJ - Lit joiner, 17 inches nominal side length module
UJ - Unlit joiner, 2 11/16 inches (68mm) module (0.77kg/1.7 lbs)

7 | Direct Lighting:

Output & Color temperature¹:

dRO 27K - 2700K regular output 6W/ft
dRO 30K - 3000K regular output 6W/ft
dRO 35K - 3500K regular output 6W/ft
dRO 40K - 4000K regular output 6W/ft
dHO 27K - 2700K high output 12W/ft
dHO 30K - 3000K high output 12W/ft
dHO 35K - 3500K high output 12W/ft
dHO 40K - 4000K high output 12W/ft
dRO RGB - Tri-color red, green and blue direct lighting 6W/ft²

Optics:

WFL - Wide flood, 100° distribution, frosted lens

8 | Control:

NO - On/Off control
LT - Lumentalk³
DIM - 0-10V Dimming option⁴
DALI - DALI Dimming option⁵
DMX/RDM - DMX/RDM enabled^{6,7}

9 | Finish:

BK - Black Sandtex
SI - Silver Sandtex
WH - Smooth white
CC - Custom color and finish⁸

10 | Option:

CE - CE (certification covers European Economic Area)

Notes:

¹ Consult factory for 6500K and 90+ CRI. ² dRO RGB option requires DMX/RDM or LT control to be specified in control section. ³ A DMX Lumentranslator and controller are required for RGB Lumentalk applications. ⁴ 10% minimum dimming value. Current Sink: 3mA/fixture, Current Source: 0.5mA/fixture. ⁵ 1% minimum dimming value. Available with white light only. Consult Typical Wiring Diagram pages for the number of DALI addresses per fixture length and type. ⁶ A control box (CBX) and LumenID (LID) must be specified. ⁷ 1% minimum dimming value. Available with white light only. Fixtures set to by fixture resolution (consult the Resolution Details pages for the number of DMX addresses per fixture length and type). ⁸ Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.