Specification Sheet

lumenline™ 2

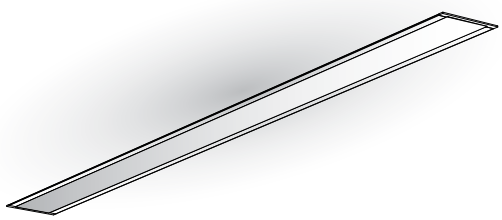
RECESSED
SINGLE UNITS
CONTINUOUS RUNS
SHAPES

Client _____ Project name _____

Order# _____ Type _____ Qty _____

FEATURES AND BENEFITS

Physical :



- Aluminum extrusion housing, 2" wide
- Available in 1' to 8' sections
- Continuous runs available in 1' increments
- Durable polyester powder coat finish for trim
- Wide flood, true asymmetric wallwash or narrow flood direct lighting optics
- Wallwash and narrow flood optics provided with white painted louvers
- Black painted or semi-specular louver finish optional
- Wide flood optic provided with frosted extruded acrylic lens
- Flange, flangeless and spackle flange trim options available
- Illuminated corners available for custom configurations, consult factory for availability and orders
- Tool-less system for reflector assembly and control gear access
- Suitable for use with drywall ceiling and metal pan ceilings (millwork ceilings)
- Compatible with motion sensors
- CCEA option available
- Dry location only
- IK05 rated

c UL us CE RoHS **IK05**

lumentalk™

Performance :

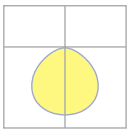
- Available in 2700K, 3000K, 3500K, 4000K or RGB color mixing
- CRI value: minimum 80
- Binning within a 2 step MacAdam ellipse (white light only)
- Lumen maintenance RO/HO: 126,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO/HO: 19,000 hrs [L95 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 88,000 hrs [L70 @ 25° C and @ 40° C]
- Lumen maintenance RO RGB: 72,000 hrs [L95 @ 25° C and @ 40° C]
- Lumen measurements comply with LM - 79 - 08 standard
- 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

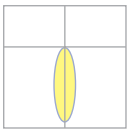
Based on RO, 4000K,
White painted louver for NF and WW optics.

Optic	Delivered output [lm/ft]	Lumens/ Watt [lm/W]
Wide flood	578	101
Narrow flood	482	84
True asymmetric wallwash	511	89

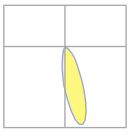
Photometric performance is measured in compliance with IESNA LM-79-08. Consult website for latest IES files.



Wide flood (100°) Direct



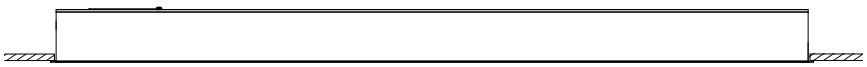
Narrow flood (30° x 60°)



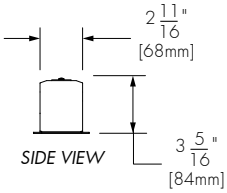
True asymmetric wallwash

Electrical :

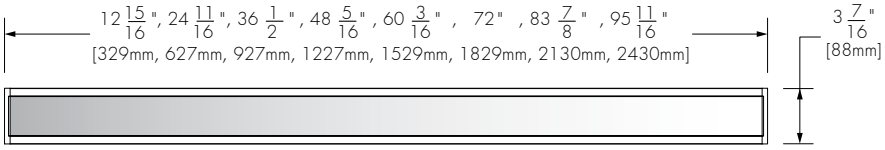
- Line voltage luminaire for 100 to 277V
- 6W/ft Regular Output version
- 12W/ft High Output version
- 6W/ft optional RGB source
- Dimming options for white light: Lumentalk, 0-10 volt, DALI or DMX/RDM enabled
- Control options for RGB: Lumentalk or DMX/RDM enabled
- Quick connectors for continuous runs



FRONT VIEW



SIDE VIEW



BOTTOM VIEW, WIDE FLOOD OPTIC SHOWN
FLANGE TRIM OPTION SHOWN

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Specification Sheet

lumenline™ 2

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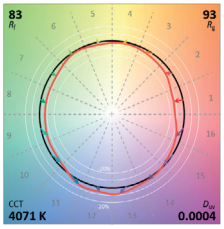
SINGLE UNITS
CONTINUOUS RUNS
SHAPES

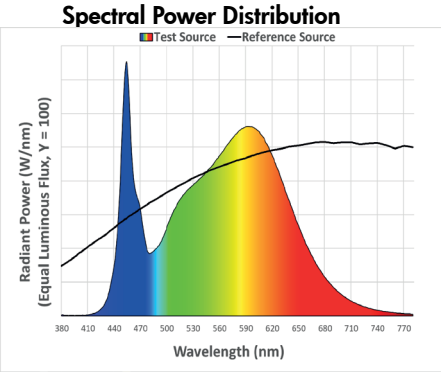
CHROMATICITY DATA

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	83	83	R_f
	R_9	4	93	R_g



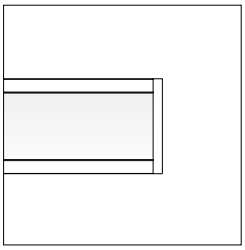
Spectral Power Distribution



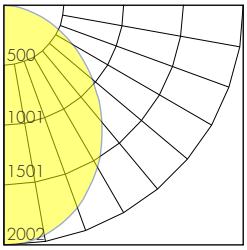
PHOTOMETRIC INFORMATION - DIRECT LIGHTING OPTICS

WFL - Wide flood (100°), 4000K

Bottom view,
flange trim option
frosted lens



Candlepower distribution
4ft, HO



Delivered output, 4ft fixture [lm]

	RO	HO
White light	2314	4712
RGB	537	N/A

CRI Value: 80+

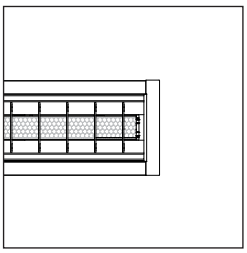
Glare evaluation, white light
X=4H, Y= 8H
Reflectances: 70/50/20

	RO	HO
UGR transversal	<22	<25
UGR axial	<22	<25

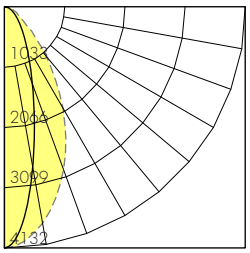
NF - Narrow flood (30°x 60°), 4000K

Not available for RGB or lit joiners

Bottom View,
flange trim option
narrow flood louver

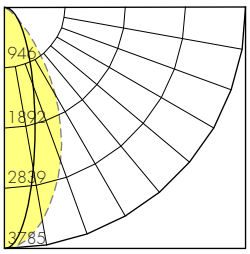


Candlepower distribution
4ft, HO
White louver



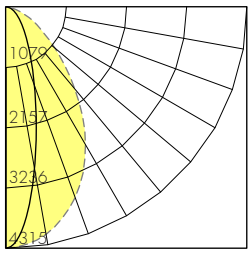
0°-180° 90°-270°

Black louver



0°-180° 90°-270°

Semi-specular louver



0°-180° 90°-270°

Delivered output, 4ft fixture [lm]

	RO	HO
White louver	1928	3927
Black louver	1306	2659
Semi-specular	2105	4287

CRI Value: 80+

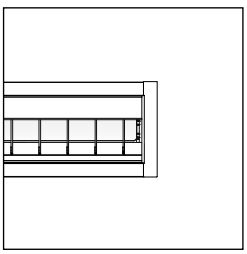
Glare evaluation, white louver
X=4H, Y= 8H
Reflectances: 70/50/20

	RO	HO
UGR transversal	<19	<19
UGR axial	<19	<19

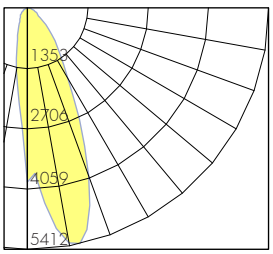
WW - True asymmetric wallwash, 4000K

Not available for RGB or lit joiners

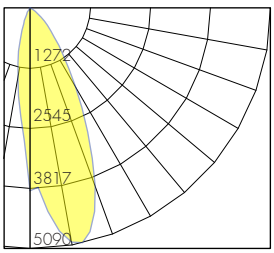
Bottom view,
flange trim option
wallwash louver



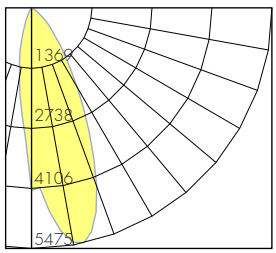
Candlepower distribution,
4ft, HO
White louver



Black louver



Semi-specular louver



Delivered output, 4ft fixture [lm]

	RO	HO
White louver	2043	4160
Black louver	1367	2784
Semi-specular	2270	4624

CRI Value: 80+

Notes: Consult website for latest IES files.

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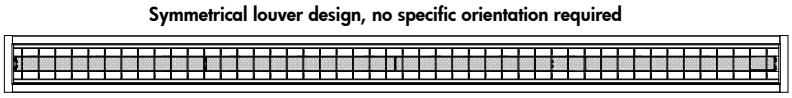
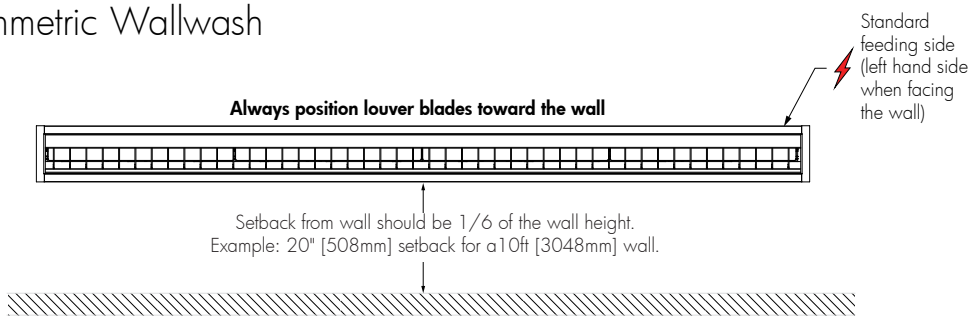
LOUVER INSTALLATION DETAIL

Narrow Flood



BOTTOM VIEW, FLANGE TRIM OPTION

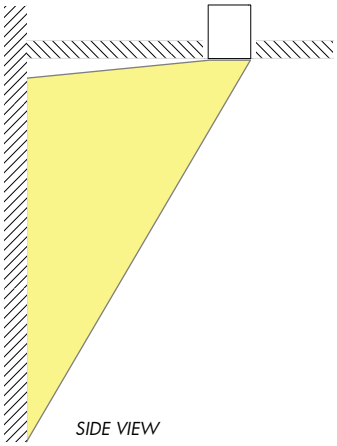
True Asymmetric Wallwash



BOTTOM VIEW, FLANGE TRIM OPTION

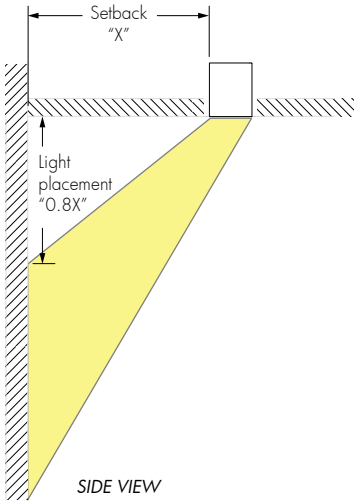
LIGHT PLACEMENT

White and Semi-specular Louver



SIDE VIEW

Black Painted Louver



SIDE VIEW

NOTICE

For fixtures with black louvers, the light placement on the wall starts at a distance of **0.8 x the setback** from the ceiling.

Example: With a 20" [508mm] setback for a10ft [3048mm] wall, the light from a black louver will start at a distance of 16" [406mm] from the ceiling.

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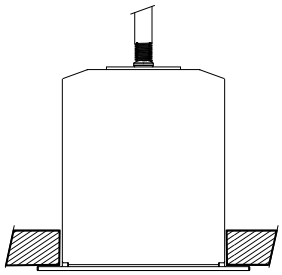
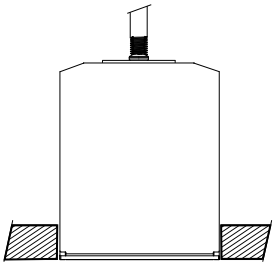
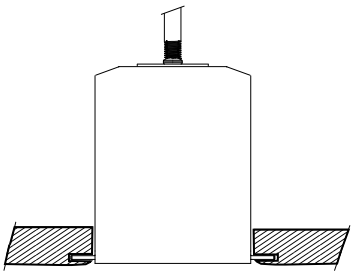
TRIM OPTION



FG
Flange trim option



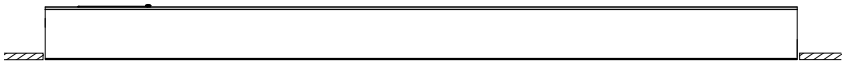
FGL
Flangeless trim option



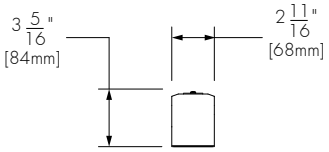
SFG
Spackle Flange trim option

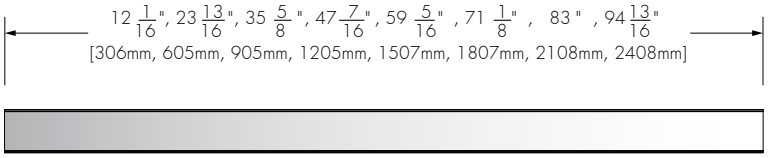
TRIM OPTION DIMENSIONS

Flangeless and Spackle flange trim options



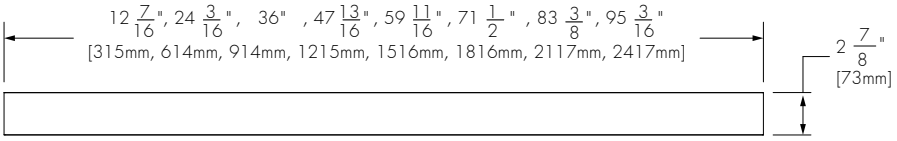
FRONT VIEW



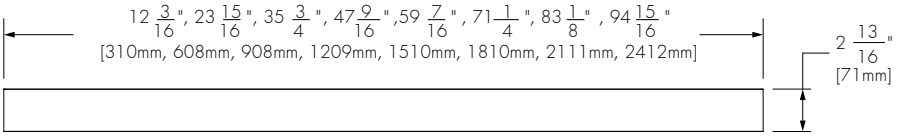


BOTTOM VIEW
FLANGELESS TRIM OPTION SHOWN
(USE SAME DIMENSIONS FOR SPACKLE FLANGE HOUSING)

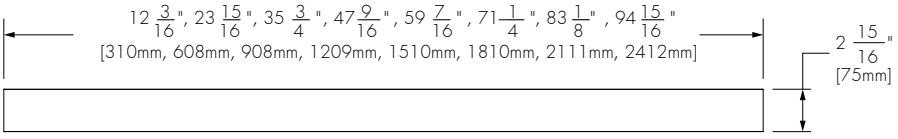
CEILING OR WALL CUTOUT DIMENSIONS



FLANGE CEILING OR WALL CUTOUT DIMENSIONS



FLANGELESS CEILING OR WALL CUTOUT DIMENSIONS



SPACKLE FLANGE CEILING OR WALL CUTOUT DIMENSIONS

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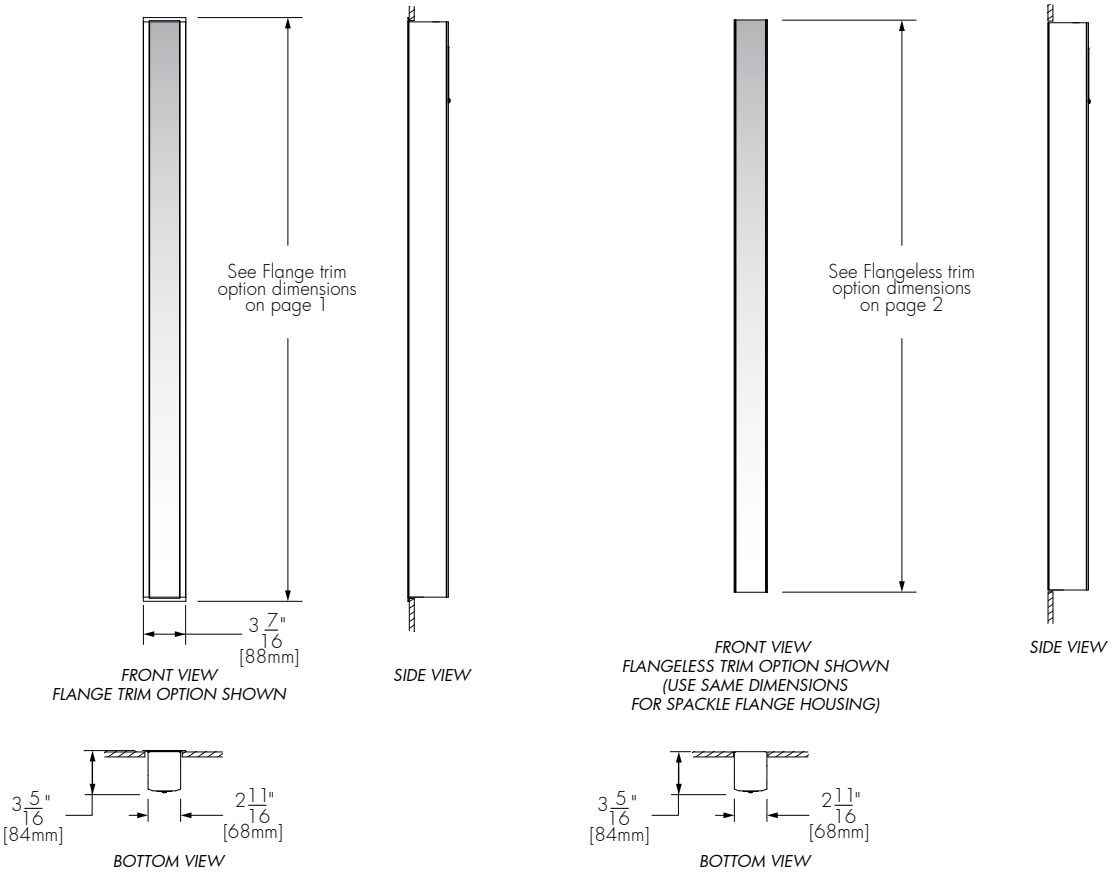
VERTICAL MOUNTING OPTION

Ceiling to wall configurations, single units and continuous runs



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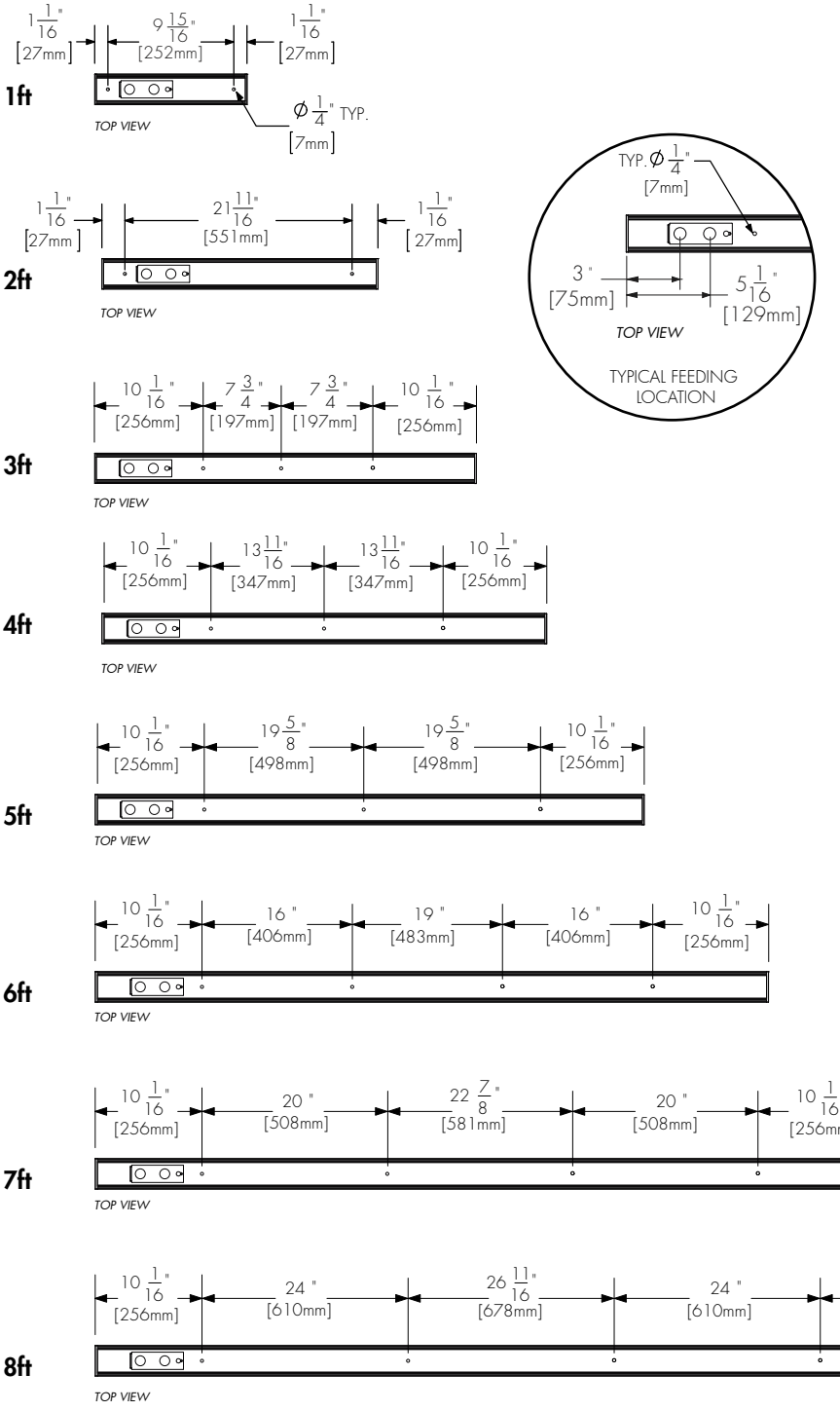
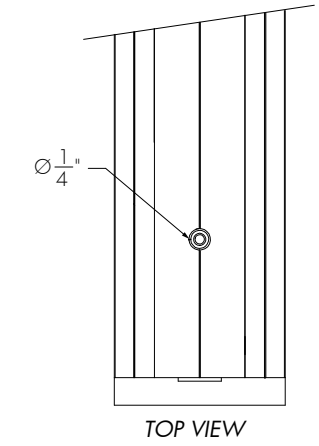
THREADED ROD MOUNTING HOLE PATTERN

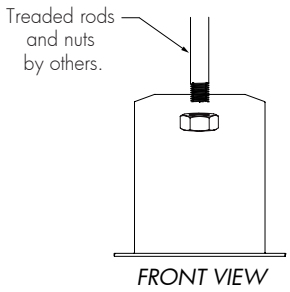
Flangeless trim option shown



THREADED ROD MOUNTING DETAIL

Flange, spackle flange and flangeless trim options





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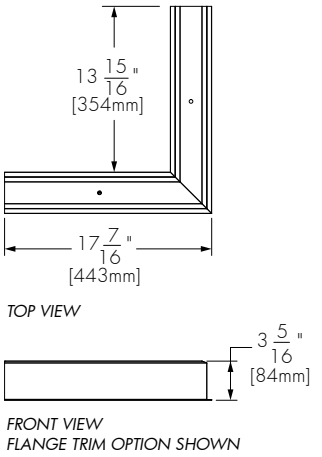
LIT JOINER TYPES AND DIMENSIONS

Refer to the SHAPE ordering page
Not available for true asymmetric wallwash and narrow flood optics

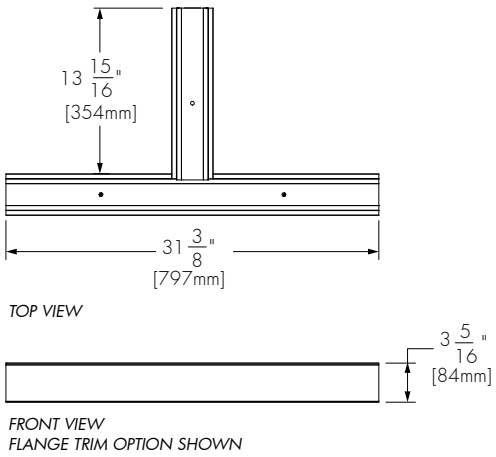
HCNR

Horizontal 90°
Used to build square, rectangle and "L" shapes
(Equivalent of a 4' fixture)



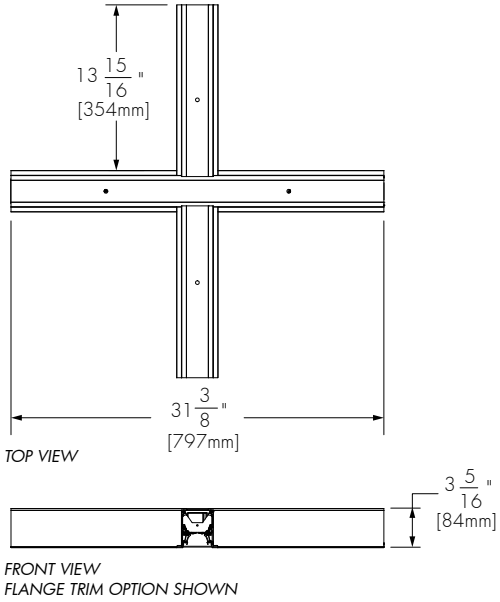
TCNR

Tee 90°
(Equivalent of a 6' fixture)



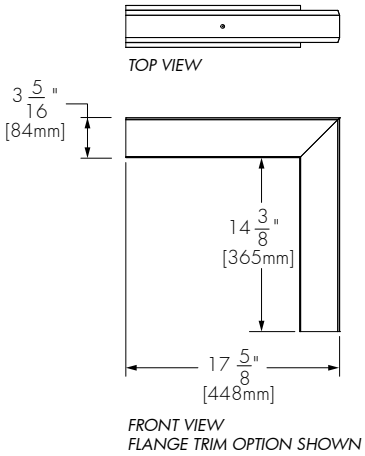
CCNR

Cross 90°
(Equivalent of an 8' fixture)



ICNR

Inside 90°
For Ceiling to Wall Configurations
(Equivalent of a 4' fixture)



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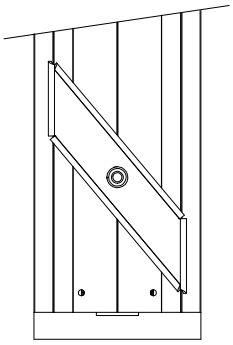
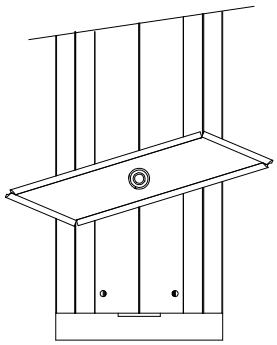
ROTATING CROSSBAR MOUNTING OPTION

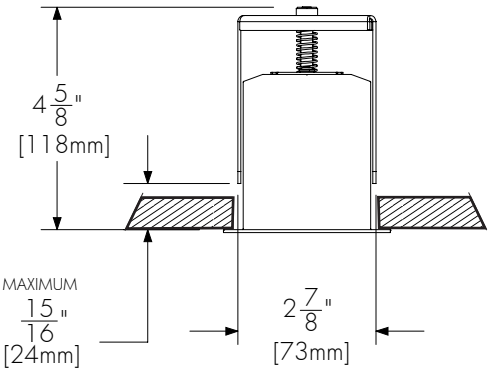
Available with Flange trim option only



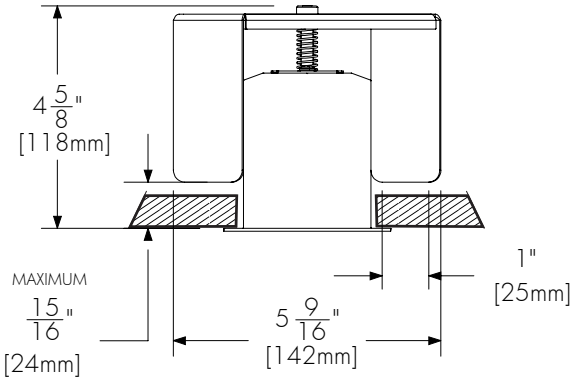
TOP VIEW
ROTATING CROSSBAR CLOSED



TOP VIEW
ROTATING CROSSBAR OPENED



SIDE VIEW
ROTATING CROSSBAR CLOSED



SIDE VIEW
ROTATING CROSSBAR OPENED

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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.

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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 joiners			
	1ft	2ft	3ft	4ft	5ft	6ft	7ft	8ft	HCNR	TCNR	CCNR	ICNR
WH	1	2	3	4	5	6	7	8	4	6	8	4
RGB	3	6	9	12	15	18	21	24	12	18	24	12

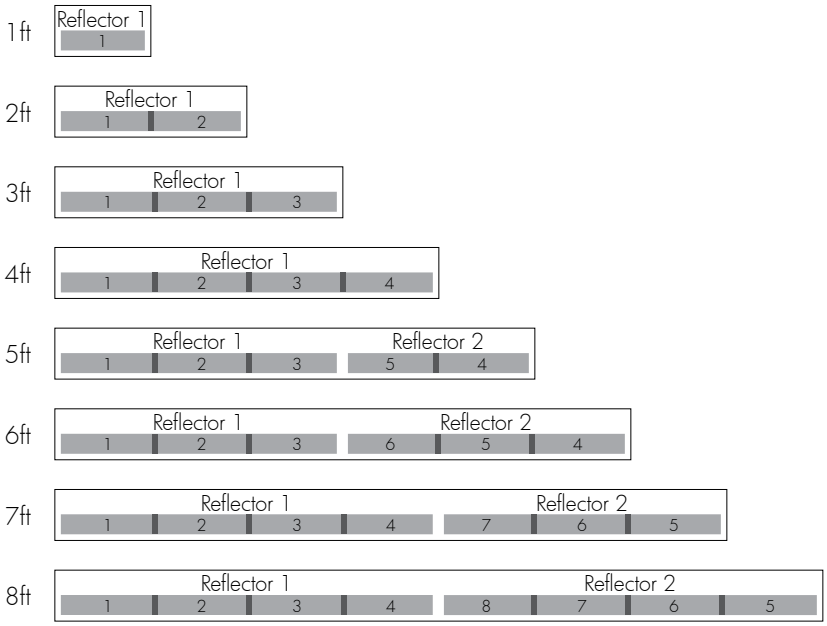
Resolution per fixture: each reflector is addressed independently

Total number of DMX addresses required per fixture

	Single units		Lit joiners			
	1ft to 4ft	5ft to 8ft	HCNR	TCNR	CCNR	ICNR
WH	1	2	1	2	2	1
RGB	3	6	3	3	3	3

BOARD AND REFLECTOR LAYOUT PER FIXTURE LENGTH

SINGLE UNITS



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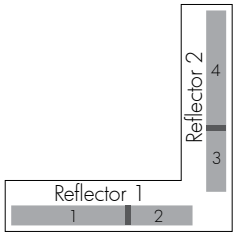
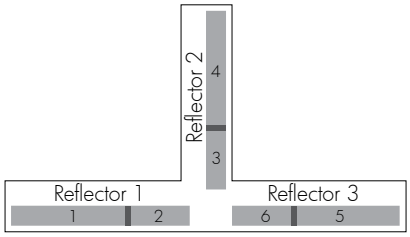
RESOLUTION DETAILS - continued

LIT JOINERS IN SHAPES

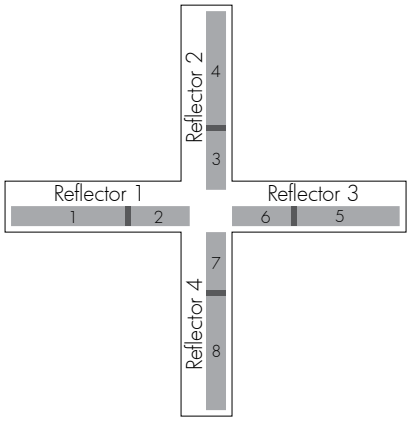
HCNR
Horizontal 90°



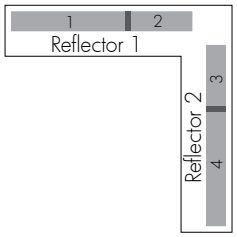
TCNR
Tee 90°



CCNR
Cross 90°



ICNR
Inside 90°



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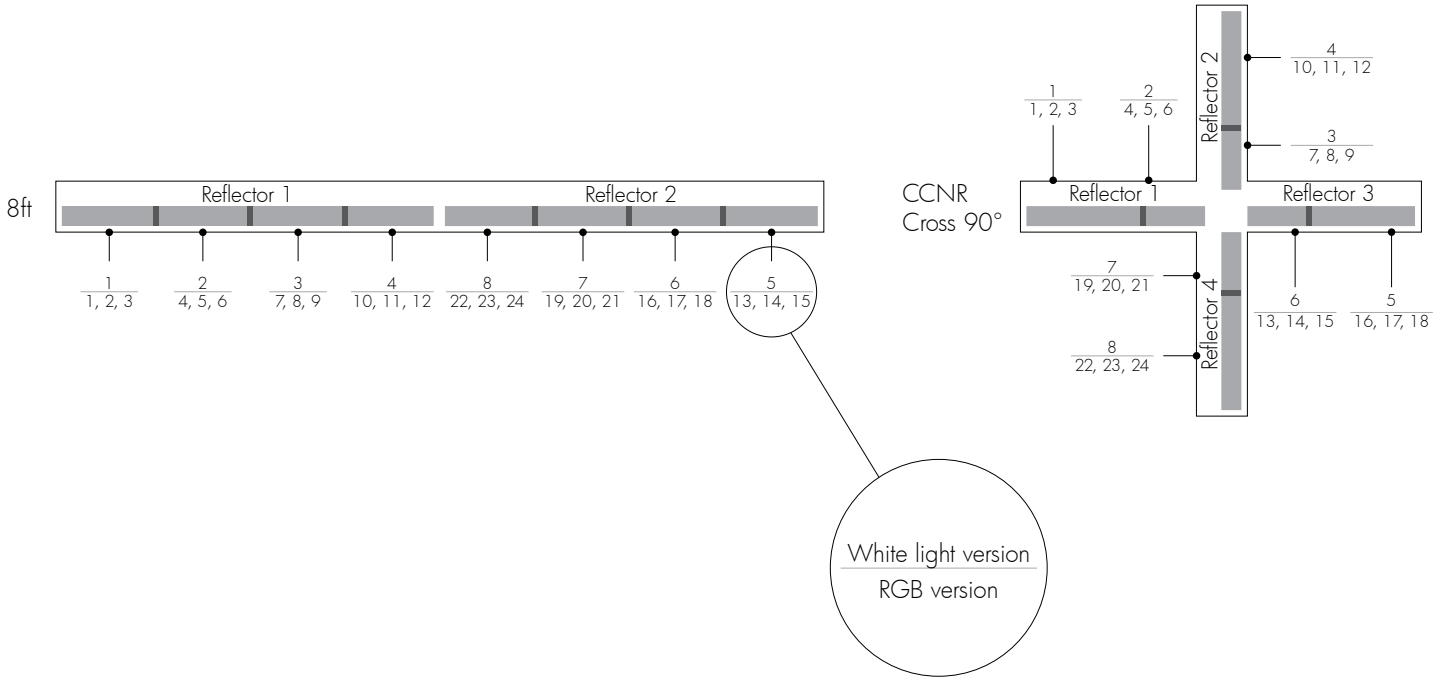
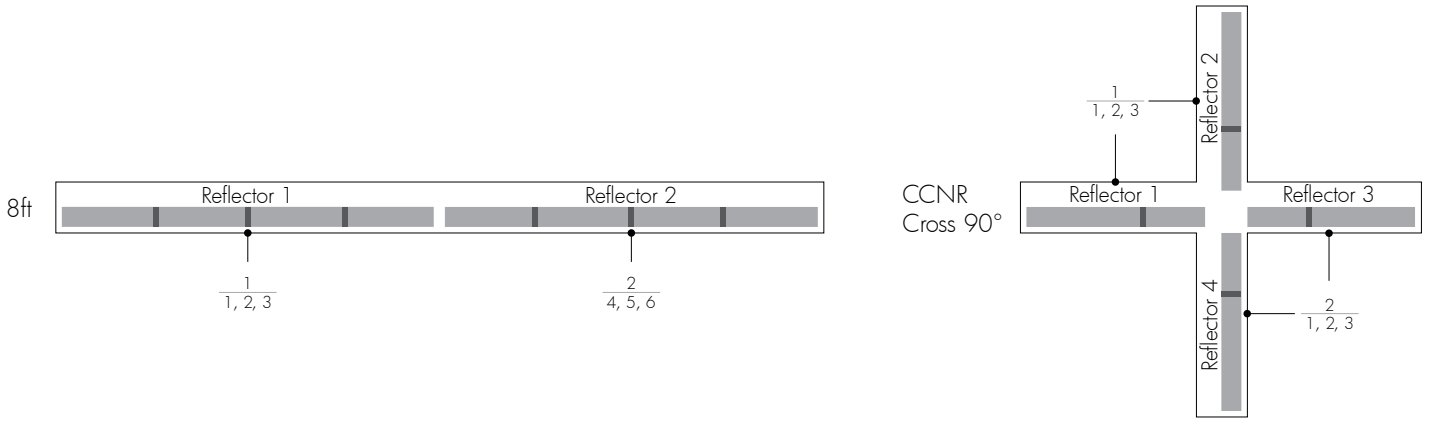
RESOLUTION DETAILS - continued

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



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



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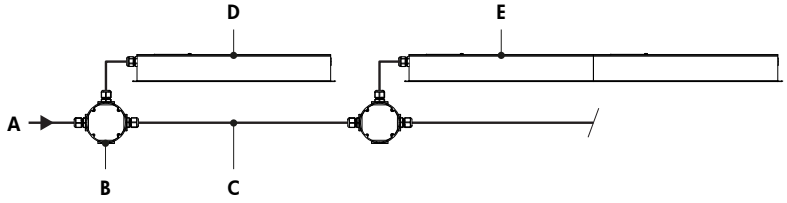
TYPICAL WIRING DIAGRAMS

Wiring Color Code

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

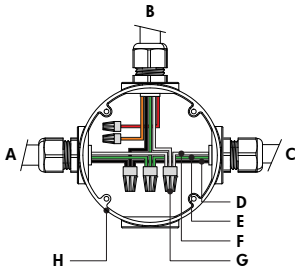
On/Off Control (NO)



A - Power input (100-277V)
B - Junction box (by others)
C - Power wiring (by others)
D - Lumenline Recessed, single unit
E - Lumenline Recessed, 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

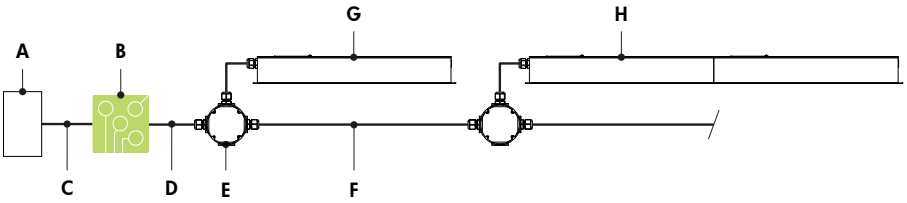


A - Power input or from previous fixture
B - To fixture
C - To next fixture
D - Line
E - Ground
F - Line/Neutral
G - Wire-nuts (by others)
H - Junction box (by others)

Lumentalk (LT)

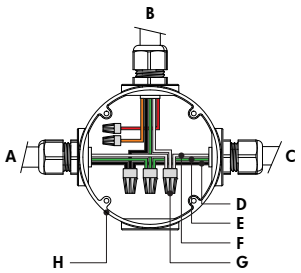
1% minimum dimming value

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



A - Third party dimmer/controller
B - Lumentranslator 2 (LTL2-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 Recessed, single unit (2' to 8' fixture lengths) [0.6 to 2.4m]
H - Lumenline Recessed, 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 - To fixture
C - To next fixture
D - Line
E - Ground
F - Line/Neutral
G - Wire-nuts (by others)
H - Junction box (by others)

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TYPICAL WIRING DIAGRAMS - continued

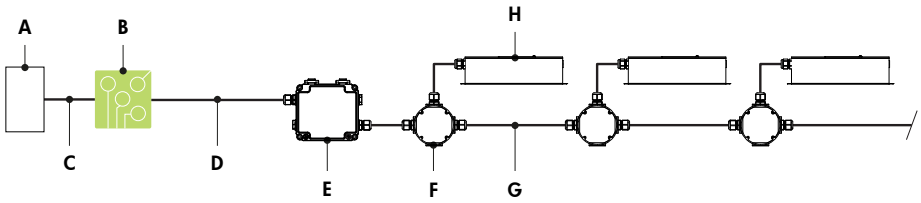
Wiring Color Code

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

Lumentalk (LT) - continued

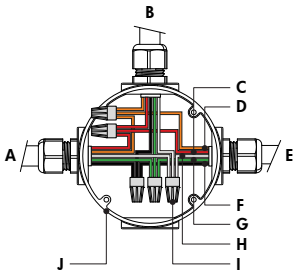
1% minimum dimming value

1' [0.3m] fixtures



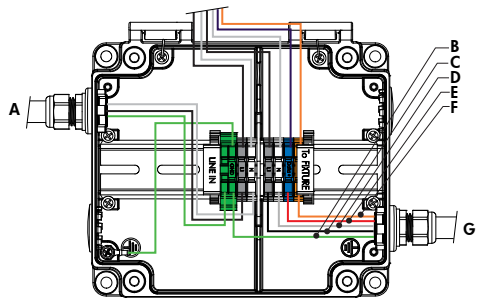
A - Third party dimmer/controller
B - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
C - Data wiring (by others)
D - Power line (120-277V AC)
E - Lumentalk Data Bridge (LDB-DIM or LDB-DMX)
F - Junction box (by others)
G - Power wiring (by others)
H - Lumenline Recessed, single unit (1' [0.3m] fixture 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 - To fixture
C - 0-10V + / Data +
D - 0-10V - / Data -
E - To next fixture
F - Line
G - Ground
H - Line/Neutral
I - Wire-nuts (by others)
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 - Line/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 LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. 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 (LTL2-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].

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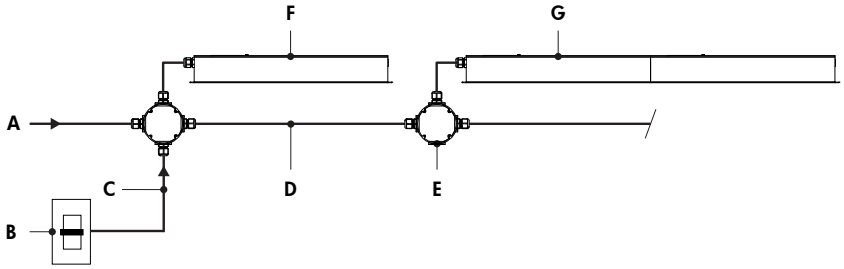
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

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

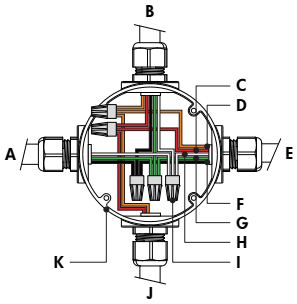
0-10V Dimming (DIM)

1% minimum dimming value



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

0-10V Dimming (DIM) - Wiring detail



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

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].

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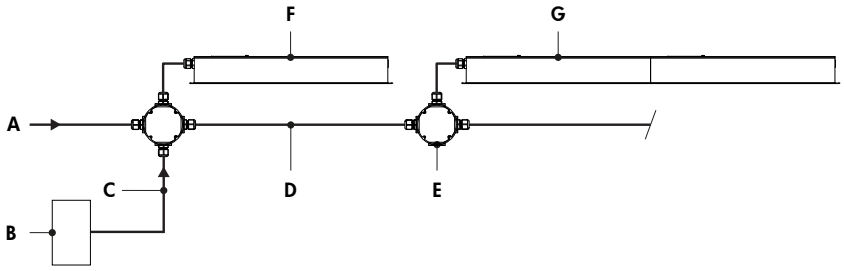
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

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

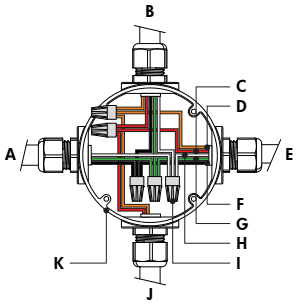
DALI Dimming (DALI)

1% dimming value



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

DALI Dimming (DALI) - Wiring detail



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

Total number of DALI addresses required per fixture

1x DALI address per reflector

Single units

	1ft to 4ft	5ft to 8ft
WH	1	2

Lit joiners

HCNR	TCNR	CCNR	ICNR
1	2	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 1x 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].

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TYPICAL WIRING DIAGRAMS - continued

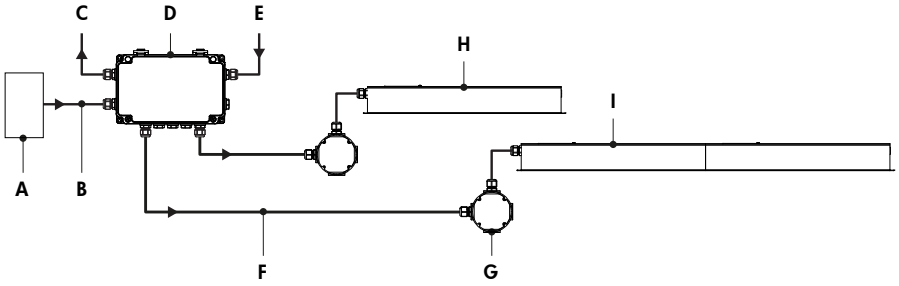
Wiring Color Code

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

Maximum run lengths - 7A maximum with 10ft [3m] fixture cord						
Configuration/Voltage	**100V**	**120V**	**208V**	**220V**	**240V**	**277V**
RO: Regular Output	93ft [28.3m]	116ft [35.4m]	126ft [38.4m]			
HO: High Output	46ft [14m]	56ft [17.1m]	98ft [29.9m]	104ft [31.7m]	116ft [35.4m]	126ft [38.4m]

Star Layout (DMX/RDM)

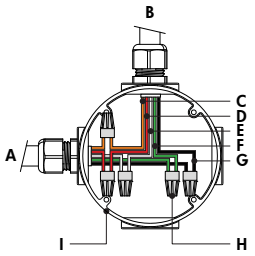
1% minimum dimming value for white light



For stable DMX/RDM data signal, do not split data wires after the CBX.

A - Third party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (100-277V)
F - Power and data output to fixture (wiring by others)
G - Junction box (by others)
H - Lumenline Recessed, single unit
I - Lumenline Recessed, continuous run

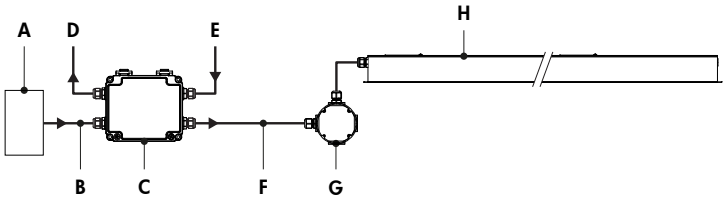
DMX/RDM Star Layout - Wiring detail



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

Daisy Chain Layout (DMX/RDM)

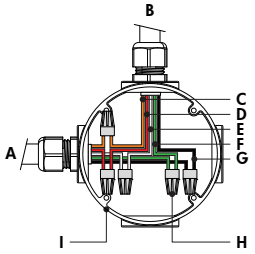
1% minimum dimming value for white light



For stable DMX/RDM data signal, do not split data wires after the CBX.

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 (100-277V)
F - Power and data output to fixture (wiring by others)
G - Junction box (by others)
H - Lumenline Recessed, single unit or continuous run

DMX/RDM Daisy Chain Layout - Wiring detail



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

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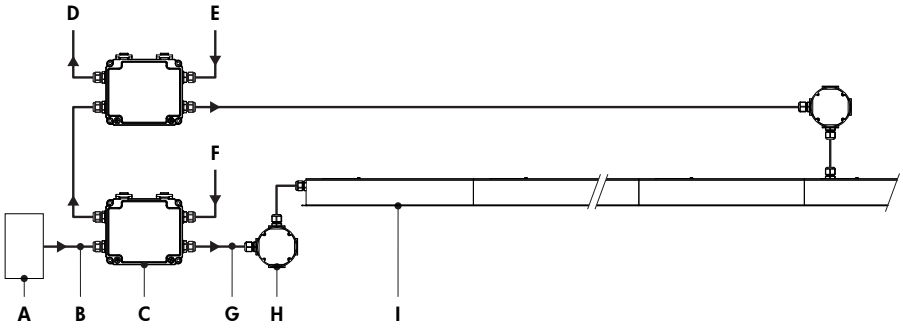
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

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

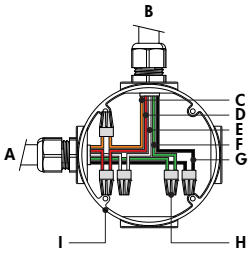
DMX/RDM, Multiple feeds (DMX/RDM) - continued

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 Recessed, continuous run, multiple feeds

DMX/RDM Multiple feeds - Wiring detail



A - From CBX
B - To fixture
C - Data -
D - Data +
E - Neutral
F - Ground
G - Line
H - Wire nuts (by others)
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 1output 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].

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HOW TO ORDER - SINGLE UNITS AND CONTINUOUS RUNS

LLI2R	Select:	Select:	Select:	Select:	Select:	Select:	Select:	Select:
1	2	3	4		5	6	7	8

1 Housing:

LLI2R - Lumenline™ Recessed, 2" wide

2 Voltage:

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

3 Length:

Dimension shown are for flangeless
SU1 - Single Unit 12 1/16" (306mm)[1]
SU2 - Single Unit 23 13/16" (605mm)
SU3 - Single Unit 35 5/8" (905mm)
SU4 - Single Unit 47 7/16" (1205mm)
SU5 - Single Unit 59 5/16" (1507mm)
SU6 - Single Unit 71 1/8" (1807mm)
SU7 - Single Unit 83" (2108mm)
SU8 - Single Unit 94 13/16" (2408mm)
C__ - Continuous run, specify in 1' increments

4 Direct Lighting:

Output & Color temperature[2]:

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/ft[3]

Optics:

WFL - Wide flood, 100° distribution, frosted lens
NF - Narrow flood, 30° x 60° distribution, highly reflective white painted louver[4]
WW - True asymmetric wallwash, highly reflective white painted louver[4]

5 Control:

NO - On/Off control
LT - Lumentalk[1,5]
DIM - 0-10V Dimming option[6]
DALI - DALI Dimming option[7]
DMX/RDM - DMX/RDM enabled[8,9]

6 Trim Option:

FG - Flange
FGL - Flangeless
SFG - Spackle Flange

7 Trim/Body Finish:

BK - Black Sandtex
SI - Silver Sandtex
WH - Smooth white
CC - Custom color and finish (please specify RAL color)[10]

8 Option:

CCEA - Chicago plenum rated option
RCB - Rotating Crossbar mounting[11]
VS - Vertical mounting (ceiling to wall configurations, single units and continuous runs)
BLL - Black painted louver[12]
SSL - Semi-specular louver[12]
CE - CE (certification covers European Economic Area)

Photometric performance will vary with black and semi-specular louver options, see Photometric Information pages for more information.

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] Not available for dRO RGB color option and lit joiners. [5] A DMX Lumentranslator and controller are required for RGB Lumentalk applications. [6] 10% minimum dimming value. Current Sink: 3mA/fixture, Current Source: 0.5mA/fixture. [7] 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. [8] A control box (CBX) and LumenID (LID) must be specified. [9] 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). [10] 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. [11] Available for flange trim option only. 1rotating crossbar included for 1' [305mm] lengths, 2 rotating crossbars included for 2' [610mm] to 5' [1524mm] lengths, 3 rotating crossbars included for 6' [1829mm] to 8' [2438mm] lengths. [12] Available for NF and WW optics only.

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HOW TO ORDER - SHAPES

LLI2R	Select:	Select:	LJ	Select:	Select:	Select:	Select:	Select:	Select:
1	2	3	4	5		6	7	8	9

1 | Housing:

LLI2R - Lumenline™ Recessed, 2" wide

2 | Voltage:

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

3 | Length:

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

S__ - Square shape: specify side length (equal sides)
R__x__ - Rectangular shape: specify longer side x shorter side
L__ - "L" shape: specify side length (equal sides)
T__ - "T" shape: specify side length (equal sides)
X__ - Cross shape: specify side length (equal sides)
CW_ - Ceiling to wall: specify side length (equal sides)

4 | Joiner Type:

LJ - Lit joiner, 17 inches nominal side length module

5 | Direct Lighting:

Output & Color temperature[1]:

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/ft[2]

Optics:

NF and WW optics not available for shapes with lit joiner.

WFL - Wide flood, 100° distribution, frosted lens
NF - Narrow flood, 30° x 60° distribution, highly reflective white painted louver[3]
WW - True asymmetric wallwash, highly reflective white painted louver[3]

6 | Control:

NO - On/Off control
LT - Lumentalk[4]
DIM - 0-10V Dimming option[5]
DALI - DALI Dimming option[6]
DMX/RDM - DMX/RDM enabled[7 8]

7 | Trim Option:

FG - Flange
FGL - Flangeless
SFG - Spackle Flange

8 | Trim/Body Finish:

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

9 | Option:

CCEA - Chicago plenum rated option
RCB - Rotating Crossbar mounting[10]
BLL - Black painted louver[11]
SSL - Semi-specular louver[11]
CE - CE (certification covers European Economic Area)

Photometric performance will vary with black and semi-specular louver options, see Photometric Information pages for more information.

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] Not available for dRO RGB color option and lit joiners. [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. [10] Available for flange trim option only. 1rotating crossbar included for 1' [305mm] lengths, 2 rotating crossbars included for 2' [610mm] to 5' [1524mm] lengths, 3 rotating crossbars included for 6' [1829mm] to 8' [2438mm] lengths. [11] Available for NF and WW optics only.

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