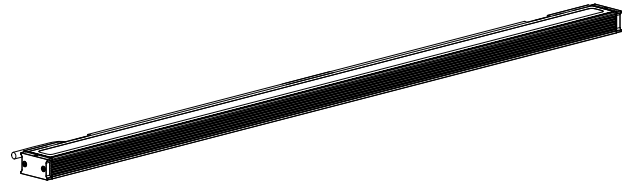# Specification Sheet

lumenfacade™

Client _____   Project name _____

Order# _____   Type _____   Qty _____

FEATURES AND BENEFITS

Physical :
- Low copper content extruded aluminum housing
- Available in 1', 2', 3' or 4' sections
- Electro-statically applied polyester powder coat finish
- Machined aluminum end caps and silicone gaskets
- Stainless steel hardware
- Clear tempered glass lens
- Asymmetric wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 60°, 80° x 80°, or 90° x 90° optics
- IP66
- IK07 rated (asymmetric wallwash lens is IK06 rated)
- Meets 3G ANSI C136.31 Vibration standard for bridge applications
- Corrosion-resistant coating for hostile environments[2]

Performance :
- 2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue static colors available
- CRI value: 80+
- Minimum 1fc (10.7 lux) @ 140ft (43m) distance (HO 4000K, 4' unit, 10° x 60° optic)
- Lumen maintenance: 120,000 hrs [L70 @ 25°C]
- Lumen measurements comply with LM - 79 - 08 standard
- Resolution per foot or per fixture (see page 6)
- Operating temperatures: -25° C to 50° C [-13F to 122F]

Electrical :
- 24V DC luminaire, remote power & data supply for 100 to 277V (required but not included, see page 5 for details)
- Power and data in 1 cable (#16-4), standard 10ft /3m black cable, other lengths available
- 4.2W DC/ft version meets ASHRAE standards for linear lighting on building facades[3]
- 7.5W DC/ft Regular Output version[3]
- 15W DC/ft High Output version[3]
- Dimming options: 0-10 volt, DALI, DMX enabled, Lumentalk system is enabled with LDB accessory, see typical wiring diagrams for details

c(UL)us   CE   ✓RoHS   **IK07**[1]

*Strain relief connectors and cables by others.

Photometric Summary

4ft HO, 4000K	Delivered Output [lm]	Intensity [peak cd]
WW	3,592	5,159
8°x8°	4,045	77,896
10°x10°	3,768*	38,346*
10°x30°	3,830	30,056
10°x60°	3,692	19,654
10°x90°	3,576	7,897
30°x30°	3,765	14,726
30°x60°	3,862*	5,119*
60°x60°	3,447*	3,015*
90°x90°	3,592	1,886

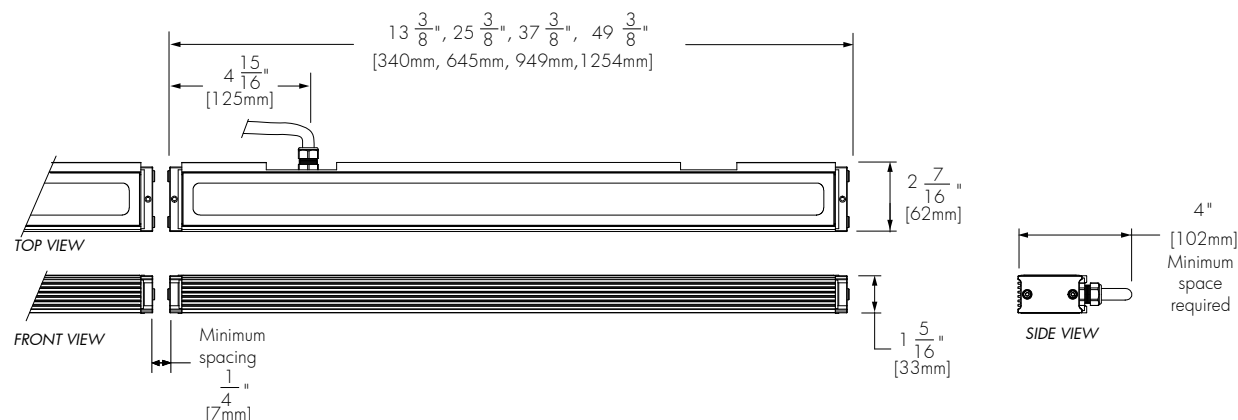Photometric performance is measured in compliance with IESNA LM-79-08.
*Estimated. Consult Lumenpulse website for the latest IES and LDT files.

---

13 3/8", 25 3/8", 37 3/8", 49 3/8"
[340mm, 645mm, 949mm, 1254mm]

4 15/16" [125mm]

2 7/16" [62mm]

4" [102mm] Minimum space required

TOP VIEW

FRONT VIEW

Minimum spacing 1/4" [7mm]

1 5/16" [33mm]

SIDE VIEW

---

[1] Asymmetric wallwash lens is IK06 rated.
[2] Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure!
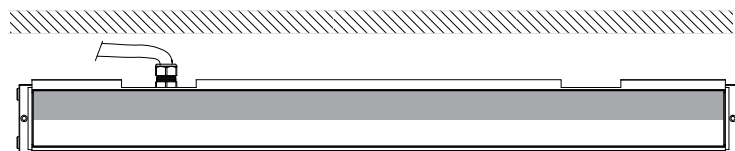[3] ASHRAE version not available for 1' fixture lengths. Power consumption is typically 20% higher for 1' fixture lengths.

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ASYMMETRIC WALLWASH OPTIC INSTALLATION DETAIL

Wall side

INPUT
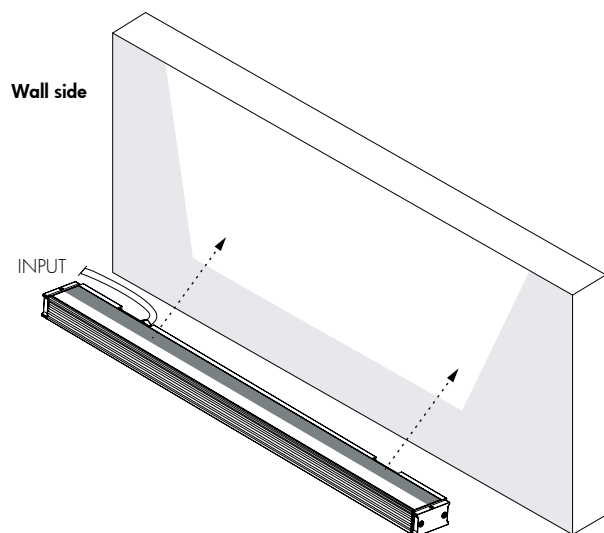
WW
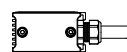Asymmetric Wallwash Optic

Always position frosted side toward the wall

TOP VIEW
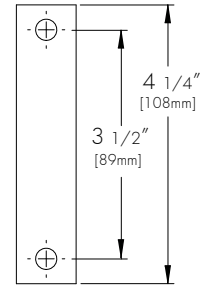
FRONT VIEW

RIGHT SIDE VIEW
(Fixture pointing upwards)
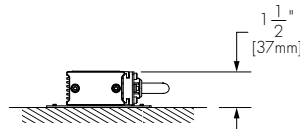
Recommended setback from
wall is 1/10 of the wall height.
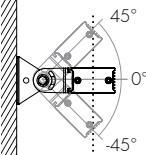
Example: 2ft [0.6m] setback for a
20ft [6m] wall.

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MOUNTING OPTIONS

Surface Mount

UMPR
Fixed Mounting
Remote Version

$1\frac{1}{2}$"
[37mm]

4 1/4"
[108mm]

3 1/2"
[89mm]

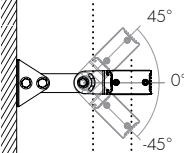**UMPR**
Mounting Hole Pattern

Wall Mount

WAMR3
Adjustable Arm Mounting
3" Remote Version

45°
0°
-45°

WAMR6
Adjustable Arm Mounting
6" Remote Version

45°
0°
-45°

$\frac{1}{2}$"
[12mm]

$\phi\frac{1}{4}$"
[7mm]

1 3/4"
[44mm]

2 1/2"
[64mm]

WAMR
Mounting Hole Pattern

WAMR12
Adjustable Arm Mounting
12" Remote Version

45°
0°
-45°

WAMR18
Adjustable Arm Mounting
18" Remote Version

45°
0°
-45°

0

4"
[102mm]

6"
[152mm]

13"
[330mm]

18"
[457mm]

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2017.09.25

NK - R49

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time without prior notice and such changes shall be effective immediately.
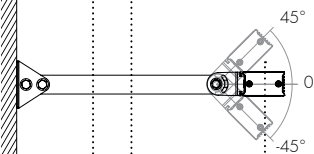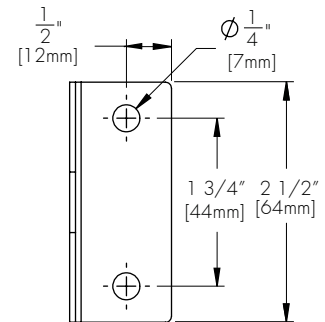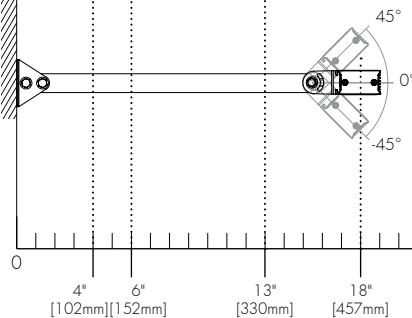
LOUVER ACCESSORY INSTALLATION DETAIL
Not suitable for asymmetric wallwash optic

$13\frac{7}{16}$", $25\frac{7}{16}$", $37\frac{7}{16}$", $49\frac{7}{16}$"
[341mm, 646mm, 951mm, 1256mm]

Blade spacing
1"
[25mm]

$2\frac{13}{16}$"
[71mm]

TOP VIEW

$\frac{3}{4}$"
[19mm]

FRONT VIEW

Blade depth
$\frac{7}{16}$"
[11mm]

SIDE VIEW

4"
[102mm]
Minimum space required
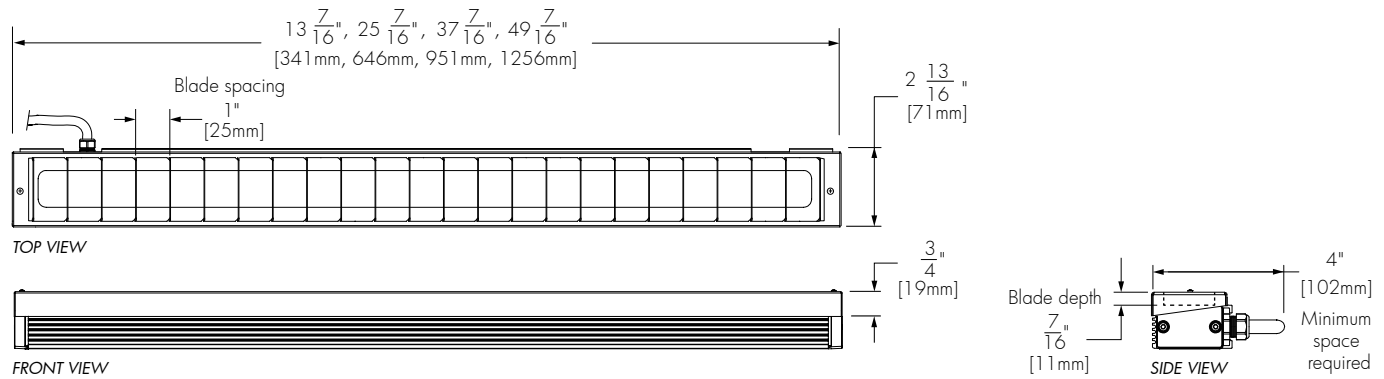
LOGRRD
Radial Louver for Lumenfacade Remote
(2 mounting screws included)
(see page 5 for ordering code)

5-year limited warranty.

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ACCESSORIES
Order separately

Control Systems:

LTO2 Lumentouch is a wall mount DMX 512 controller keypad.

LCU Lumencue is a USB / mini SD DMX 512 controller.

LID LumenID is a diagnostic and addressing DMX 512 controller.
It must be specified on 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.

LTN Lumentone is a simple pre-programmed DMX 512 controller
with a push button rotary dial and live feedback.

Power Supply and Dimming Boxes:

PSX60, PSX100 Power supply box.
Up to six low voltage power outputs to fixtures or fixture runs.
Refer to PSX60, PSX100 specification sheet for details.

Control and Power Supply Boxes:

CBX60, CBX100 DMX/RDM control box.
Up to six low voltage power and data outputs to fixtures or fixture runs.
Ethernet enabled option.
Refer to CBX60, CBX100 specification sheet for details.

LDB Lumentalk Data Bridge, 0-10V or DMX output.
Refer to LDB specification sheet for details.

Radial Louver :
Not suitable for asymmetric wallwash optic

LOGRRD___-___ Radial louver for Lumenfacade Remote.
Louver blade depth: 7/16" [11mm]; louver blade spacing: 1" [25mm]
Please specify nominal length (1', 2', 3' or 4' [0.3m, 0.6m, 0.9m or 1.2m]) and finish (BK-Black Sandtex®,
BRZ-Bronze Sandtex®, SI-Silver Sandtex®, or WH-Smooth white. Custom color available on request, please
specify as CC together with RAL color : _____).

The addition of a louver will affect beam distribution, consult factory for application support.

RESOLUTION DETAILS
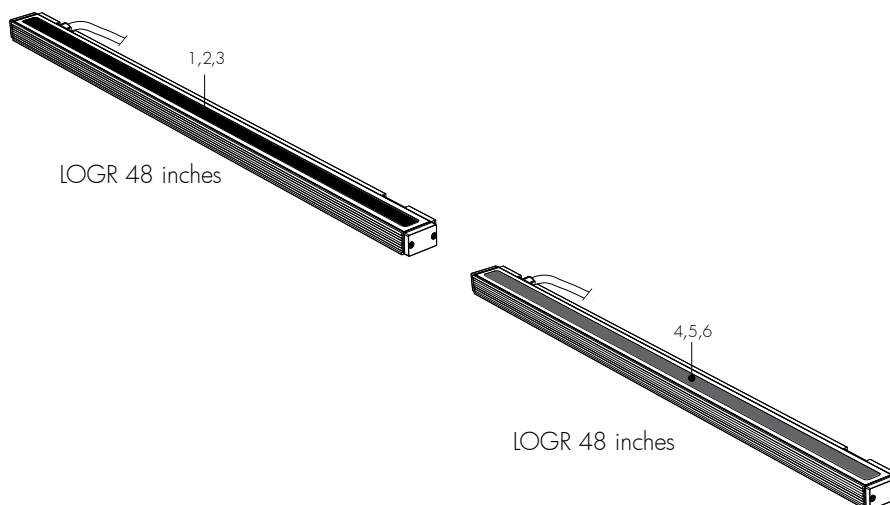## APPLICABLE FOR DMX DIMMING OPTION ONLY

DMX 1FT - Resolution per foot: each foot is addressed independently (recommended for most installations).

DMX ADDRESSES:

1,2,3

4,5,6

7,8,9

10,11,12

LOGR 48 inches

13,14,15

16,17,18

19,20,21

22,23,24

LOGR 48 inches
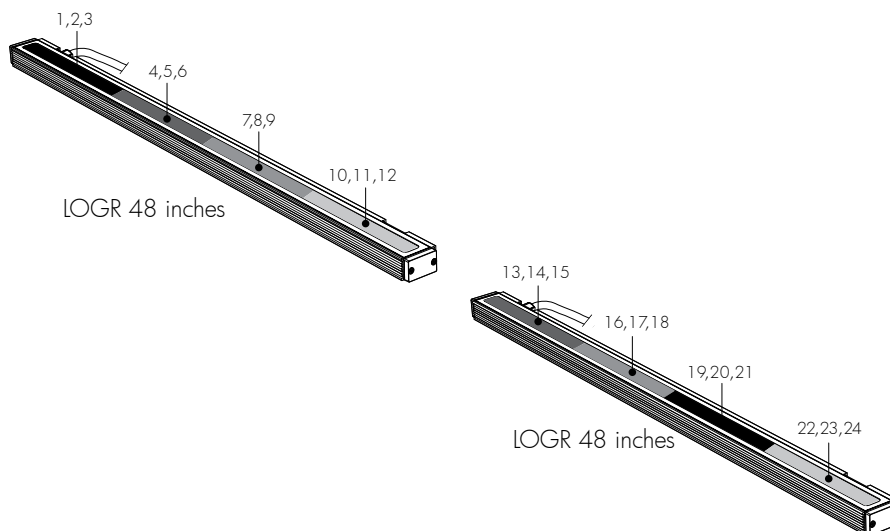
DMX1FX - Resolution per fixture: each fixture is addressed independently

DMX ADDRESSES:

1,2,3

LOGR 48 inches

4,5,6

LOGR 48 inches

*Warning: resolution is a factory setting and cannot be changed in the field.

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TYPICAL WIRING DIAGRAMS

| American Color Code	CE Color Code	USE
Red	Black	0-10V / Data +
Green	Grey	0-10V / Data -
Black	Brown	12/15/24V DC +
White	Blue	12/15/24V DC -

Non-Dimming (NO)
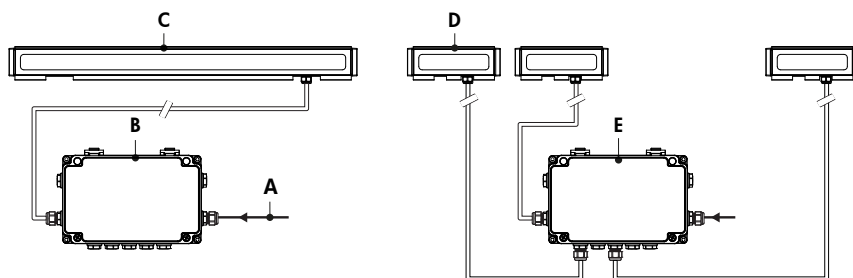
A - Power input (100-277V)
B - PSX60-NO
C - Lumenfacade Remote Power Supply 4' [1.2m] (LOGR-NO)
D - Lumenfacade Remote Power Supply 1' [0.3m] (LOGR-NO)
E - PSX100-NO

Notes:
• Consult factory for specific applications and maximum fixture count/cable length recommendations.
• ASHRAE version: 4.2 watts DC per foot [0.3m], Regular Output version: 7.5 watts DC per foot [0.3m], High Output version: 15 watts DC per foot [0.3m].
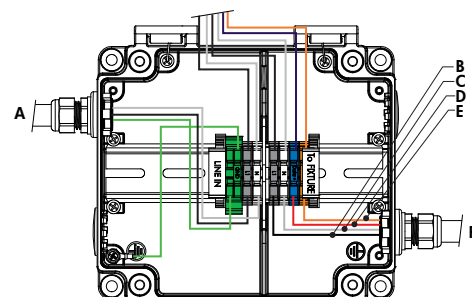
Lumentalk for 0-10V Dimming (using LDB-DIM)

1% minimum dimming value
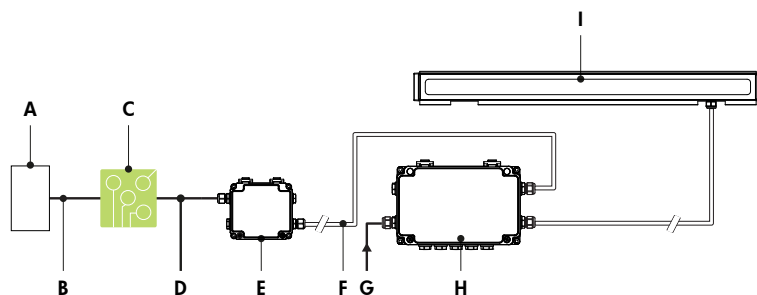
A - Third party dimmer
B - Data wiring (by others)
C - Lumentranslator (LTL-010, -TRIAC, -DALI)
D - Power input (100-277V AC)
E - Lumentalk Data Bridge (LDB-DIM)
F - Data wiring (by others)
G - Power input (100-277V)
H - PSX60-010 or PSX100-010
I - Lumenfacade Remote Power Supply (LOGR-DIM)

Wiring detail using LDB-DIM

A - Power input (control over power line via Lumentalk system)
B - 24V +
C - 24V -
D - 0-10V +
E - 0-10V -
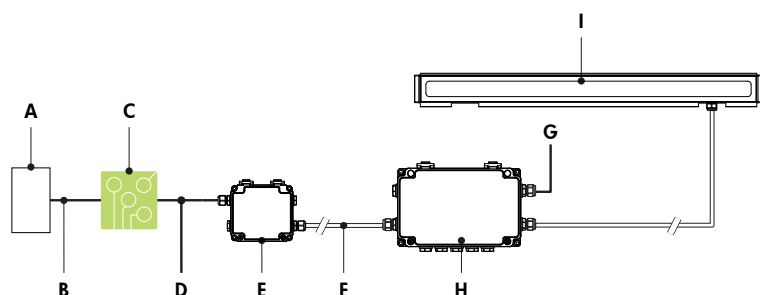**F -** Output to 0-10V dimming fixture

Notes:
• Consult factory for specific applications and maximum fixture count/cable length recommendations.
• Lumentalk Data Bridge required for Lumentalk system. Lumentalk Data Bridge and fixtures must be specified as DIM. Maximum of 10 fixtures per LDM-DIM, consult factory for 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.
• ASHRAE version: 4.2 watts DC per foot [0.3m], Regular Output version: 7.5 watts DC per foot [0.3m], High Output version: 15 watts DC per foot [0.3m].

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NK - R49

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TYPICAL WIRING DIAGRAMS - continued

| American Color Code	CE Color Code	USE
Red	Black	0-10V / Data +
Green	Grey	0-10V / Data -
Black	Brown	12/15/24V DC +
White	Blue	12/15/24V DC -

Lumentalk for DMX Dimming (using LDB-DMX)

1% minimum dimming value

A - Third party DMX controller
B - Data wiring (by others)
C - Lumentranslator (LTL-DMX)
D - Power input (100-277V AC)
E - Lumentalk Data Bridge (LDB-DMX)
F - Data wiring (by others)
G - Power input (100-277V)
H - CBX60 or CBX100
I - Lumenfacade Remote Power Supply (LOGR-DMX 1FT or LOGR-DMX 1FX)

Wiring detail using LDB-DMX
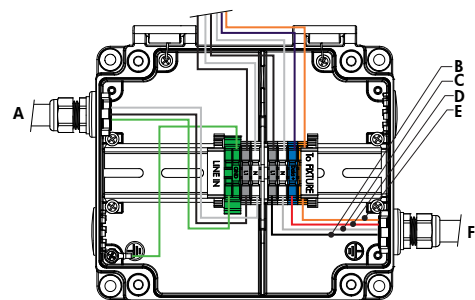
A - Power input (control over power line via Lumentalk system)
B - 24V +
C - 24V -
D - Data +
E - Data -
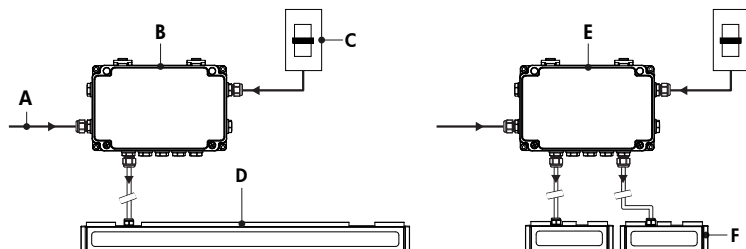F - Output to DMX fixture

Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for Lumentalk system. Fixtures must be specified as DMX 1FT or DMX 1FX and Lumentalk Data Bridge must be specified as DMX, 2-step commissioning process: 1 - DMX system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 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). Consult factory for applications that require additional capabilities.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system
- No third party fixtures allowed on the same circuit.
- ASHRAE version: 4.2 watts DC per foot [0.3m], Regular Output version: 7.5 watts DC per foot [0.3m], High Output version: 15 watts DC per foot [0.3m].

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TYPICAL WIRING DIAGRAMS - continued

American Color Code	CE Color Code	USE
Red	Black	0-10V / Data +
Green	Grey	0-10V / Data -
Black	Brown	12/15/24V DC +
White	Blue	12/15/24V DC -

0-10V Dimming (DIM)

10% minimum dimming value

A - Power input (100-277V)
B - PSX60-010
C - Third party dimmer
D- Lumenfacade Remote Power Supply 4' [1.2m] (LOGR-DIM)
E - PSX60-010
F - Lumenfacade Remote Power Supply 1' [0.3m] (LOGR-DIM)

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.
• ASHRAE version: 4.2 watts DC per foot [0.3m], Regular Output version: 7.5 watts DC per foot [0.3m], High Output version: 15 watts DC per foot [0.3m].

DMX Dimming (DMX)

1% minimum dimming value
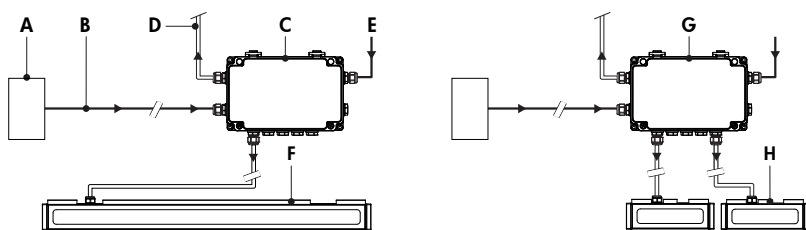
A - Third party DMX controller
B - Data input (Belden 9841 or equivalent, by others)
C - CBX60
D - Data output to next CBX60 or CBX100 optional, not isolated/not boosted)
E - Power input (100-277V)
F - Lumenfacade Remote Power Supply 4' [1.2m] (LOGR-DMX 1FT or LOGR-DMX 1FX)
G - CBX100
H - Lumenfacade Remote Power Supply 1' [1.2m] (LOGR-DMX 1FT or LOGR-DMX 1FX)

Notes:
• Consult factory for specific applications and maximum fixture count/cable length recommendations.
• Maximum of 6 outputs per CBX60 or CBX100.
• ASHRAE version: 4.2 watts DC per foot [0.3m], Regular Output version: 7.5 watts DC per foot [0.3m], High Output version: 15 watts DC per foot [0.3m].

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LOGR			24V						
1	2	3	4	5	6	7	8	9	10

1

Housing:

LOGR ASHRAE - Lumenfacade™ Remote Power Supply,
4.2W DC/ft ASHRAE compliant[1]
LOGR RO - Lumenfacade™ Remote Power Supply, Regular Output 7.5W DC/ft
LOGR HO - Lumenfacade™ Remote Power Supply, High Output 15W DC/ft

2

Cable Length:

10FT - 10ft	**3M -** 3m
20FT - 20ft	**5M -** 5m
30FT - 30ft	**10M -** 10m
50FT - 50ft	**15M -** 15m
70FT - 70ft	**20M -** 20m
100FT - 100ft	**30M -** 30m

Standard cable length is 10ft or 3m unless otherwise specified.

3

Voltage:

24V DC fixture. Refer to accessory page for control & power box options.

4

Length:

12 - 13 3/8 inches (340mm) (0.95 kg/2.10 lbs)
24 - 25 3/8 inches (645mm) (1.78 kg/3.90 lbs)
36 - 37 3/8 inches (949mm) (2.55 kg/5.60 lbs)
48 - 49 3/8 inches (1254mm) (3.40 kg/7.40 lbs)

5

Colors and Color temperatures:

22K - 2200K	**RD -** Red
27K - 2700K	**GR -** Green
30K - 3000K	**BL -** Blue
35K - 3500K	
40K - 4000K	

Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

6

Optics:

Asymmetric
WW - Asymmetric Wallwash optic

Symmetric

8x8 - 8° x 8°[2]	**60x60 -** 60° x 60°
10x10 - 10° x 10°[2]	**80x80 -** 80° x 80°
30x30 - 30° x 30°	**90x90 -** 90° x 90°
35x35 - 35° x 35°	

Bi-symmetric

10x30 - 10° x 30°	**15x25 -** 15° x 25°
10x60 - 10° x 60°	**30x60 -** 30° x 60°
10x90 - 10° x 90°	**50x80 -** 50° x 80°

7

Mounting Option:

UMPR - Fixed Mounting remote version[3]
WAMR3 - Adjustable arm mounting 3" remote version
WAMR6 - Adjustable arm mounting 6" remote version
WAMR12 - Adjustable arm mounting 12" remote version
WAMR18 - Adjustable arm mounting 18" remote version

8

Finish:

BK - Black Sandtex®
BRZ - Bronze Sandtex®
SI - Silver Sandtex®
WH - Smooth white
CC - Custom color and finish (please specify RAL color)[4]

9

Control:[5]

NO - No Dimming
DIM - 0-10V Dimming option[6]
DALI - DALI Dimming option[7]
DMX 1FT - DMX Dimming option, resolution per foot[8]
DMX 1FX - DMX Dimming option, resolution per fixture[8]

10

Option:

CRC - Corrosion-resistant coating for hostile environments
3GV - 3G ANSI C136.31 Vibration Rating[9]

Notes:

[1] Not available for 1' [0.3m] fixture lengths. [2] For best results use with HO fixtures at a 6-inch (15cm) setback from surface. Contact factory for application support. [3] Suitable to use when **3GV** option is specified. [4] North American RAL colors specified with RAL number only are provided with a smooth/high gloss finish. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary. [5] Lumentalk system is enabled with LDB accessory, see Typical Wiring Diagrams pages for details. 1% minimum dimming value. [6] 10% minimum dimming value. Current Sink: 3mA/fixture, Current Source: 0.5mA/fixture. [7] 1% minimum dimming value. 1 DALI address per fixture. [8] 1% minimum dimming value. Consult the Resolution Details page for the number of DMX addresses. [9] Available with **UMPR** mounting option only.

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