

VarioLED™ Flex SKYLLA TV IP67

NEW

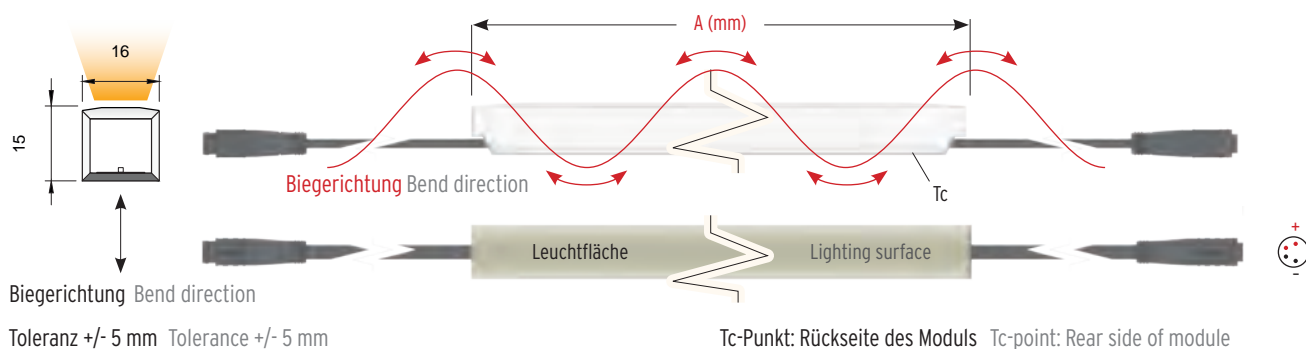


W824 2.900 K	W827 3.400 K	W830 3.900 K	W835 4.500 K	W840 5.500 K	W850 9.500 K
1	3	4	5	6	7
15 Watt/meter					
1.244 lumen/meter (lm/m)					
! Ra/CRI 85					
IP67					

Abmessungen & Längen Dimensions & available length

110 mm IP67 Steckverbinder (Buchse/Stecker) an den Enden
110 mm IP67 plug in connector (male/female) on both ends

$R_{min} = 15 \text{ cm}$
 $R_{min} = 5.9''$



Bestellnummer Order Code: VarioLED Flex SKYLLA Wxxx/A TV IP67

Elektrische & Optische Betriebsdaten Electrical & optical data

Abmessungen Dimensions	A x 16 mm x 15 mm
Leistung Power	15 W/meter
Spannung Voltage (V)	24 Volt (23 V _{min} , 25 V _{max})
Temperatur Temperature	t _{cmin} = -25°C, t _{cmax} = +60°C
Lagertemp. Storage temp.	t _{min} = -30°C, t _{max} = +85°C
Außentemperatur Ambient temp.	t _a _{min} > -25°C, t _a _{max} = +45°C



Lebensdauer
Lifetime



LM 79 konform
LM 79 compliant



LM 80 konform
LM 80 compliant

VarioLED™ Flex SKYLLA TV IP67	lumen/meter (lm/m)	Ra CRI	Farbtemperatur* Color temperature* (K)
W824	752	80	2.900
W827	1.030	85	3.400
W830	1.099	85	3.900
W835	1.157	85	4.500
W840	1.185	85	5.500
W850	1.244	85	9.500

* Bei IP67 Produkten können Toleranzen bei der Farbtemperatur auftreten. Nähere Erläuterung dazu finden Sie auf S. 584.

* In case of IP67 products, tolerances in the color temperature can occur. For further explanation, please see page 584.

Nähere Erläuterungen zu Änderungen, Grenzwerten und Schwankungen im Herstellungsprozess finden Sie im LED Linear™ Systemkatalog, Seite 532.

For more details regarding catalogue changes, min and max data sheet values and production tolerances see the LED Linear™ system catalogue, page 533.

Ausschreibungstext Specification text



Photo: Shlomi Tal

VarioLED™ Flex SKYLLA TV IP67

24 V, opal vergossene flexible LED Lichtlinie in IP67 für Architektur und Innenausbau. Mit selbstklebendem 3M Klebeband auf der Rückseite. Homogene lichtpunktfreie Ausleuchtung bei geringsten Bautiefen.

15 W/m, 1,244 lm/m. Querschnitt 16 mm x 15 mm. Länge bis zu 4 m. 110 mm IP67 Steckverbinder an beiden Enden. Bei maximaler Bestelllänge nur einseitig mit IP67-Stecker, keine Buchse. L80 von > 37.000 h.

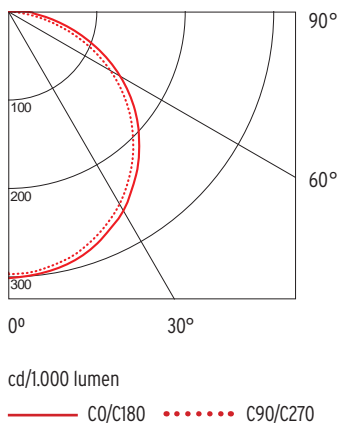
Einfache Installation und hohe Beständigkeit in rauen klimatischen Bedingungen. Salzwasser-, UV-, chlor- und Lösungsmittelbeständig. Made in Germany.

VarioLED™ Flex SKYLLA TV IP67

24 V, flexible fully opal encapsulated IP67 protected LED light line for architecture and interior design. 3M self adhesive tape on rear side. Homogeneous and dot free illumination in very low installation depths.

15 W/m, 1,244 lm/m. Cross section of 16 mm x 15 mm. Length up to 4 m. 110 mm IP67 plug in connectors on both ends. At maximum length order only one side with IP67 plug in connector female, no male connector. L80 of > 37,000 hrs.

Easy installation and a rugged design for harsh environments (e. g. resistant to saltwater, UV, chlorine and solvents). Made In Germany.

VarioLED™ Flex SKYLLA TV IP67

UV geschützt
UV protected



Lösungsmittel geschützt
Resistant to solvents



Salzwasser geschützt
Saltwater resistant



Schutz beim Eintauchen
Temporary immersion protection

VarioLED™ Flex SKYLLA TV basiert auf unserem Produkt VarioLED™ Flex HYDRA HD15.

Durch die verwendete Venustechnologie ergibt sich eine Farbabweichung zum LED Flex Band, die jedoch keinen Einfluss auf die Gesamthomogenität hat.

VarioLED™ Flex SKYLLA TV is based on our product VarioLED™ Flex HYDRA HD15.

The encapsulation technology causes a color temperature drift compared to the flex tape color temperature. There is no effect on homogeneity.

Zubehör Accessories

erforderlich required



Konverter
Power supply unit

optional optional



Steuerprotokoll
Power control system



Profil VENUS TV
Contour VENUS TV

Details siehe Seite 456 ff. Details on page 456 ff.





3RE-FD-1

RECESSED LED DOWNLIGHT (IC, NON-IC, REMODEL)
ROUND EXPANDED APERTURE FIXED DEEP REGRESS

K-2

3RE-FD-1

TRIM

A LED

Remote phosphor dimmable LED module in injection molded plastic and aluminum mounting with silicone window.

*In addition to the height shown please allow for additional 3/4" (19mm) of clearance above the fixture.

B Special Features

Die-cast aperture with light source for increased efficiency; integral professional baffle minimizes aperture glare.

C Effects Devices

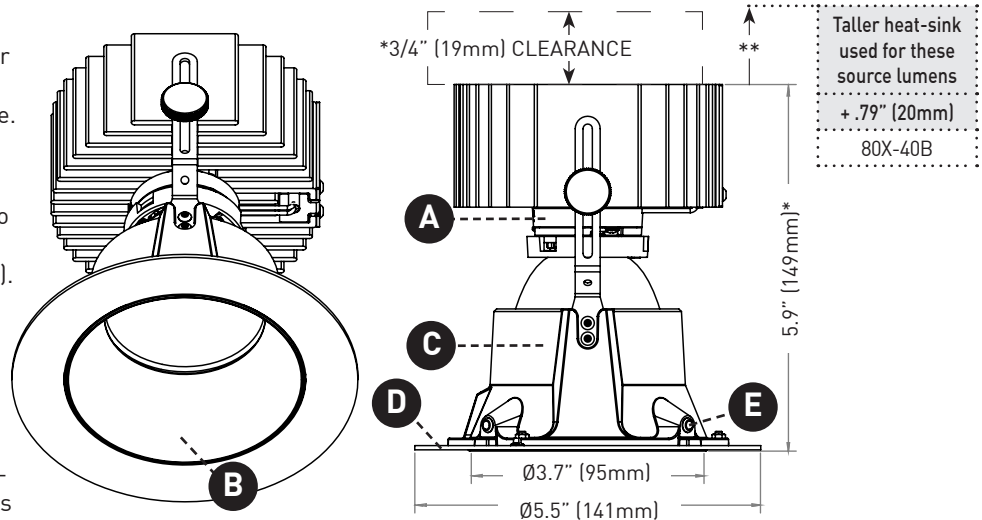
Soft focus lens included; adjustable yoke allows secure placement of up to 2 effects devices; (add .16" to fixture height with use of each effects device).

D Trim Plate

Thickness measures .065"; install as zero-sightline or flange overlay.

E Retention

Engineered ball plunger retention in ceiling mounting collar accessory, accommodates varying ceiling thicknesses and ensures snug fit of trim against ceiling.



TECHNICAL

CONSTRUCTION

Steel and aluminum; extruded aluminum heat-sink; painted finishes are granulated powder coat; optional chrome and plated finishes.

LED

Xicato LED module available in configurations of 80+ CRI and 95+ CRI in 2700K, 3000K, 3500K, and 4000K. Average rated lamp life of 50,000 hours. LED/ heat-sink module field replaceable.

EMERGENCY LIGHTING

Remote emergency batteries available. Consult factory for information.

DIMMING PROTOCOL

Analog 0-10 and Triac dim to nominal 10% lm output; Lutron dims to nominal 1% lm output. Consult factory on availability of EldoLED systems that dim to nominal 1/10 of 1%, or for guidance on particular systems such as Dali.

LISTING

TUV/CTUV listed to the UL1598 standard. IP20 rated.

WARRANTY

Five year warranty on LED lamp module and driver. One year warranty on all other Lucifer Lighting provided system components. Consult website for full warranty terms and conditions.

Lumen Package	80X-13B	80X-16B	80X-21B	80X-30B	80X-40B	95X-13B	95X-21B	95X-30B	80X-13C	95X-13C
Power Consumption	14.9 watts	16.5 watts	23.6 watts	35.6 watts	48.8 watts	19.5 watts	27.9 watts	42.6 watts	15.6 watts	24.3 watts
LED Source lm/w	87 lm/w	96 lm/w	89 lm/w	84 lm/w	82 lm/w	67 lm/w	71 lm/w	67 lm/w	83 lm/w	54 lm/w
Delivered Output	967 lm	1179 lm	1562 lm	2231 lm	2974 lm	970 lm	1567 lm	2239 lm	Pending	Pending
Fitting lm/w	65 lm/w	72 lm/w	66 lm/w	63 lm/w	61 lm/w	50 lm/w	56 lm/w	53 lm/w	Pending	Pending

LED DISTINGUISHING FEATURES

Color Consistency	1x2 SDCM
Standard Series 80+ CRI	R9=16, R13= 81 ,R15=75
Artist Series 95+ CRI	R9=98, R13=98, R15=98

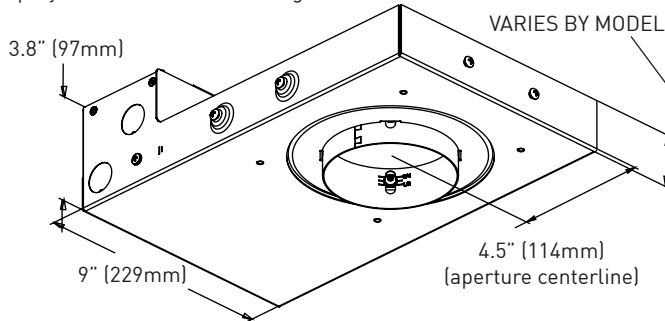
FIXTURE DISTINGUISHING FEATURES

Cut-Off Angle	Minimum 40° to light source
Aperture	Anti-glare baffle
Light Tuning	Accepts up to 2 effects devices

Do not install in environments where ambient temperatures exceed 40°C. Transformer compartment and all splice connections may be serviced from room side. Hanger bars included with housings and mounting trays.

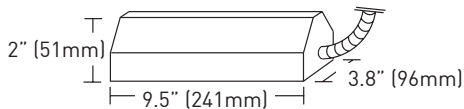
NON-IC MOUNTING TRAY

- For non-IC ceilings
- Metal conduit protected wiring and quick-connect conduit plug between fixture and power supply on tray/ junction box assembly.
- Hanger bars may be fitted to short or long side of tray and may be field cut/ narrowed.
- Minimum 1/2" (13mm) setback from combustible materials on all sides and top of tray and downlight fixture assembly.
- Minimum additional 3" (76mm) setback from insulation material having max R-Value of 30 on all sides and top of tray and downlight fixture assembly; minimum additional 6" (152mm) from polycell spray-in foam insulation having max R-Value of 40.



NIC UNIVERSAL OR REMODEL

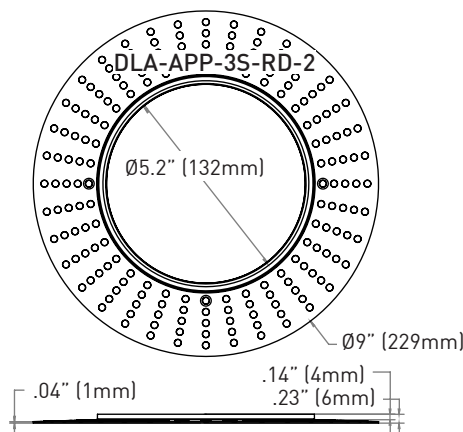
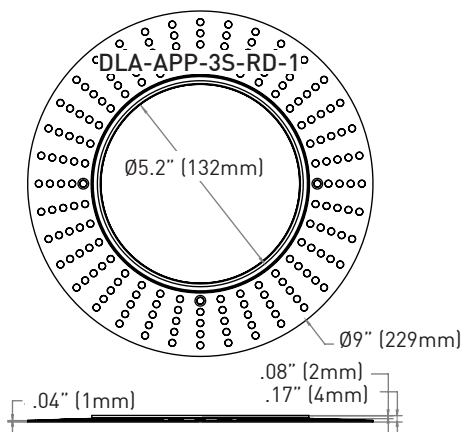
- UL2043 listed
- For non-IC or remodel ceilings
- Mounts without conventional housing using ceiling appliqué or collar.
- Tethered power supply/ junction box with metal conduit protected wiring and quick-connect plug between fixture and power supply.
- Minimum setback from combustible materials of 6.63" (168mm) radius from fixture centerline; minimum 3" (76mm) from surfaces of power supply/ junction box if not situated within above noted radius from fixture centerline.
- Minimum additional 3" (76mm) setback from insulation material having max R-Value of 30 from any surface of downlight fixture assembly; minimum additional 6" (152mm) from polycell spray-in foam insulation having max R-Value of 40.



ZERO-SIGHTLINE

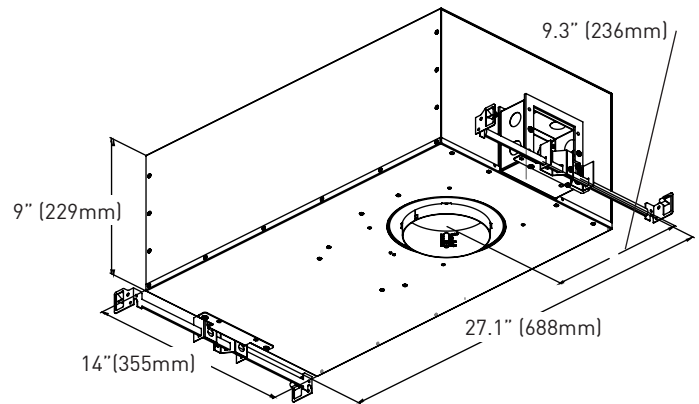
When installed according to manufacturer's instructions, and ceiling conditions are met, the fixture is flush with the ceiling plane; appliqué required. For housings use 5.13" (130mm) cutout. For international/remodel collars use 5" (127mm) hole cutout for collar.

- Mounting trays, housings, remodel zero sightline use model DLA-APP-3S-RD-1, or optional DLA-APP-3S-RD-2 where a thicker profile to apply mudding is preferred.



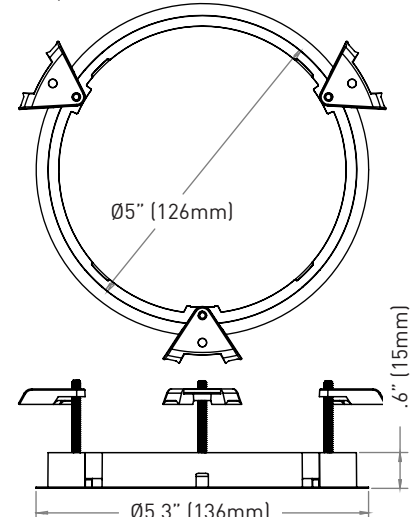
IC HOUSING

- For IC, Airtight, CCEA ceilings
- Chicago Plenum & ASTM E283 Airtight rated
- Housing for use on 80X-13B, 80X-16B, 80X-21B, 80X-10C, 80X-13C or 95X-13B, 95X-16B, 95X-21B, 95X-10C, 95X-13C configurations.
- **WARNING:** Polycell spray-in foam insulation having max R-Value of 40 requires setback of 3" (76mm) from all sides and top of IC housing; **NOTE:** Consult factory for spacing requirements for any installations exceeding R-Value of 40.



FLANGE OVERLAY

Fitting overlays the ceiling plane. Mounting collar overlays the ceiling plane and recesses flush into downlight trim plate. Collars require 5" (127mm) hole cutout.



IC or Non-IC applications use matching fixture and housing. Tethered power supply (remodel) applications use NC fixture with matching power supply instead of housing.

TRIM PLATE COLOR	
WH	White
BK	Black
MG	Metallic Grey
PR	Primer
AB	Architectural Bronze
SS	Brushed Stainless
IG	Industrial Grey
PB	Polished Oil-Rubbed Bronze Plate
MB	Matte Oil-Rubbed Bronze Plate
CH	Chrome
CF	Custom Finish

Fixture Ex. Model No.
3RE-FD-1-WH-80X-30B27-1-N-1

Housing Ex. Model No.
DH-IC-3F-80X-30B-1L2-A

RM Power Supply Ex. Model No.
PS-RMD-80X-30B-1L2

A range of custom RAL, color matching and metal plate finishes are also available.

SOURCE LUMENS

13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}

OPTIC

1	25° Smooth
2	40° Smooth
3	60° Smooth
4	10° Spot
5	25° Spot

CEILING THICKNESS

1	.5" - 1.25"
2	1.25" - 2"
3	1.75" - 3"

3RE-FD-1 - [] - [] - [] - [] - [] - [] - []

CRI/MODULE	
80X	80CRI Xicato
95X	95CRI Xicato

COLOR TEMP	
27	2700K
30	3000K
35	3500K
40	4000K

Install Type	
I	IC
N	NIC or Remodel

INPUT VOLTAGE

1 120V

U

120/277V

POWER SUPPLY

TR Triac¹
L2 Lutron Forward Phase 2-Wire²

L3 Lutron A-Series EcoSystem/3-wire
LH Lutron H-Series EcoSystem; Fade-to-black
AN 0-10v Analog³
ND Non-Dimming³
EA eldoLED 0-10v analog
ED eldoLED Dali

INSTALL TYPE

IC Insulation Contact⁷
NC No Insulation Contact

CRI/MODULE

80X 80CRI Xicato
95X 95CRI Xicato

RMT Remote

Leave Blank

DH - [] - [] - [] - [] - [] - [] - []

FIXTURE FLANGE

3F Flange Overlay
30 Zero-Sightline

SOURCE LUMENS

13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}

10C	1000lm Spot
13C	1300lm Spot

CEILING THICKNESS

A	.5"	B	.625"
C	.75"	D	.875"
E	1"	F	1.125"
G	1.25"	H	1.375"
I	1.5"	J	1.625"
K	1.75"	L	1.875"
M	2"	N	2.125"
O	2.25"	P	2.375"
Q	2.5"	R	2.625"
S	2.75"	T	2.875"
U	3"		

Height will be set at the factory.
Accuracy is important for correct field installation.

SOURCE LUMENS

13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}

10C	1000lm Spot
13C	1300lm Spot

CRI/MODULE

80X 80CRI Xicato
95X 95CRI Xicato

PS- [] - [] - [] - [] - []

APPLICATION TYPE	
RMD	Remodel
RMT ⁶	Remote

INPUT VOLTAGE

1 120V

U

120/277V

POWER SUPPLY

TR Triac¹
L2 Lutron Forward Phase 2-Wire²

L3 Lutron A-Series EcoSystem/3-wire
LH Lutron H-Series EcoSystem; Fade-to-black
AN 0-10v Analog³
ND Non-Dimming³
EA eldoLED 0-10v analog
ED eldoLED Dali

ACCESSORIES

ADDITIONAL EFFECTS DEVICES

- ☐ CGL-CY2 Clear Glass Lens
- ☐ FGL-CY2 Frosted Glass Lens
- ☐ FSFL-CY2 Frosted Soft Focus Glass Lens
- ☐ HCL-CY2 Honeycomb Louver
- ☐ LSL-CY2 Linear Spread Lens
- ☐ SFL-CY2 Soft Focus Lens

UNIVERSAL ZERO-SIGHTLINE

For IC or NC zero-sightline (30) installations, select applique.

- ☐ DLA-APP-3S-RD-1 Standard, Recommended, 5/64"
- ☐ DLA-APP-3S-RD-2 Thicker for 9/64"

REMOTE POWER SUPPLY

- ☐ 'DLA-RMT-AK Remote accessory kit - Required

¹Not available for 80X-13B, 80X-21B, 80X-30B

²Not available for 80X-30B

³Not available for 80X-07B, 80X-10B, 80X-40B

⁴Not available for 95X

⁵Requires use of taller 70mm heat sink

⁶Selecting this option requires selection of DLA-RMT-AK

⁷Not available in 95X or IC

Power supply UL3

Product Family	120V Part No.	277V Part No.	Fixtures Per Control	
			120V	277V
NovaT®	NTF-10-	NTF-10-277-	1 - 41	1 - 44
	NTF-103P-	NTF-103P-277-	1 - 20	1 - 33
Nova®	NF-10-	NF-10-277-	1 - 41	1 - 44
	NF-103P-	NF-103P-277-	1 - 20	1 - 33
Vareo®	VF-10-	--	1 - 20	--
Skylark®	SF-10P-	SF-12P-277-	1 - 20	1 - 33
	SF-103P-	SF-12P-277-3	1 - 20	1 - 33
Diva®	DVF-103P-	DVF-103P-277-	1 - 20	1 - 33
	DVSCF-103P-	DVSCF-103P-277-	1 - 20	1 - 33
Ariadni®	AYF-103P-	AYF-103P-277-	1 - 20	1 - 44
Vierti®	VTF-6A-		1 - 15	1 - 33
Maestro®	MAF-6AM-	MAF-6AM-277-	1 - 15	1 - 33
	MSCF-6AM-	MSCF-6AM-277-	1 - 15	1 - 33
Maestro Wireless®	MRF2-F6AN-DV-		1 - 15	1 - 33
RadioTouch®	RTA-RX-F-		1 - 41	1 - 88
Spacer System®	SPSF-6A-	SPSF-6A-277-	1 - 15	1 - 33
	SPSF-6AM-	SPSF-6AM-277-	1 - 15	1 - 33
Lyneo® Lx	LXF-103PL-	LXF-103PL-277-	1 - 20	1 - 33
RadioRA® 2	RRD-F6AN-DV-		1 - 15	1 - 33
HomeWorks® QS	HQRD-F6AN-DV		1 - 15	1 - 33
Interfaces	PHPM-3F	PHPM-3F-DV	1 - 41	1 - 88
	GRX-FDBI-16A		1 - 41	1 - 88
PowPak™ with Ecosystem	RMJ-ECO32-DV-B		32 per EcoSystem link	
Energi Savr Node™ with EcoSystem	QSN-1ECO-S, QSN-2ECO-S		63 per EcoSystem link	
GRAFIK Eye® QS with EcoSystem	QSG-_P120		64 per EcoSystem link	
Quantum®	Various		64 per EcoSystem link	

Power supply 1L2

Product Family	Part No.	Fixtures Per Control (120V Only)
NovaT®	NTLV-600-CPN0199	1 - 8
Maestro Wireless®	MRF2-6ND-120	1 - 8
RadioRA® 2 1000W	RRD-10ND	1 - 13
RadioRA 2 adaptive dimmer	RRD-6NA	1 - 8
RadioRA 600W	RA-6ND	1 - 8
RadioRA 1000W	RA-10ND	1 - 13
HomeWorks® QS 600W (LED)	HQRD-6ND	1 - 8
HomeWorks QS 1000W (LED)	HQRD-10ND	1 - 13
HomeWorks QS adaptive dimmer	HQRD-6NA	1 - 8
HomeWorks QS WPM (LED)	HQRJ-WPM-6D-120	1 - 10 (per output)
HomeWorks 600W dimmer	HRD-6ND	1 - 8
HomeWorks 1000W dimmer	HWD-10ND, HRD-10ND	1 - 13
HomeWorks WPM	HWI-WPM-6D-120	1 - 10 (per output)
GRAFIK EYE® QS (fluorescent)	QSGR-, QSGRJ-	1 - 10 (per output)
GRAFIK EYE 3000 (fluorescent)	GRX-3100, GRX-3500	1 - 10 (per output)
RPM-4U module, (LCP, HomeWorks, GRAFIK Systems, Quantum®)	HW-RPM-4U-120, LP-RPM-4U-120	1 - 26 (per output)
RPM-4A module, (LCP, HomeWorks, GRAFIK Systems, Quantum) (LED)	HW-RPM-4A-120, LP-RPM-4A-120	1 - 13 (per output)
GP panels (LCP, HomeWorks, GRAFIK Systems, Quantum)	Various	1 - 26
Stanza®	SZ-6ND	1 - 8



3RE-FD-1

RECESSED LED DOWNLIGHT (IC, NON-IC, REMODEL)
ROUND EXPANDED APERTURE FIXED DEEP REGRESS

K-2A

3RE-FD-1

TRIM

A LED

Remote phosphor dimmable LED module in injection molded plastic and aluminum mounting with silicone window.

*In addition to the height shown please allow for additional 3/4" (19mm) of clearance above the fixture.

B Special Features

Die-cast aperture with light source for increased efficiency; integral professional baffle minimizes aperture glare.

C Effects Devices

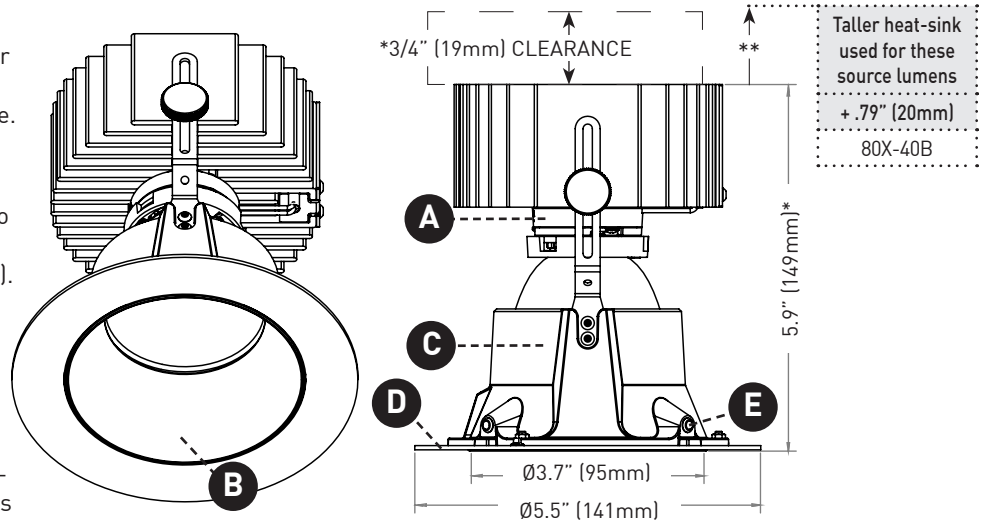
Soft focus lens included; adjustable yoke allows secure placement of up to 2 effects devices; (add .16" to fixture height with use of each effects device).

D Trim Plate

Thickness measures .065"; install as zero-sightline or flange overlay.

E Retention

Engineered ball plunger retention in ceiling mounting collar accessory, accommodates varying ceiling thicknesses and ensures snug fit of trim against ceiling.



TECHNICAL

CONSTRUCTION

Steel and aluminum; extruded aluminum heat-sink; painted finishes are granulated powder coat; optional chrome and plated finishes.

LED

Xicato LED module available in configurations of 80+ CRI and 95+ CRI in 2700K, 3000K, 3500K, and 4000K. Average rated lamp life of 50,000 hours. LED/ heat-sink module field replaceable.

EMERGENCY LIGHTING

Remote emergency batteries available. Consult factory for information.

DIMMING PROTOCOL

Analog 0-10 and Triac dim to nominal 10% lm output; Lutron dims to nominal 1% lm output. Consult factory on availability of EldoLED systems that dim to nominal 1/10 of 1%, or for guidance on particular systems such as Dali.

LISTING

TUV/CTUV listed to the UL1598 standard. IP20 rated.

WARRANTY

Five year warranty on LED lamp module and driver. One year warranty on all other Lucifer Lighting provided system components. Consult website for full warranty terms and conditions.

Lumen Package	80X-13B	80X-16B	80X-21B	80X-30B	80X-40B	95X-13B	95X-21B	95X-30B	80X-13C	95X-13C
Power Consumption	14.9 watts	16.5 watts	23.6 watts	35.6 watts	48.8 watts	19.5 watts	27.9 watts	42.6 watts	15.6 watts	24.3 watts
LED Source lm/w	87 lm/w	96 lm/w	89 lm/w	84 lm/w	82 lm/w	67 lm/w	71 lm/w	67 lm/w	83 lm/w	54 lm/w
Delivered Output	967 lm	1179 lm	1562 lm	2231 lm	2974 lm	970 lm	1567 lm	2239 lm	Pending	Pending
Fitting lm/w	65 lm/w	72 lm/w	66 lm/w	63 lm/w	61 lm/w	50 lm/w	56 lm/w	53 lm/w	Pending	Pending

LED DISTINGUISHING FEATURES

Color Consistency	1x2 SDCM
Standard Series 80+ CRI	R9=16, R13= 81 ,R15=75
Artist Series 95+ CRI	R9=98, R13=98, R15=98

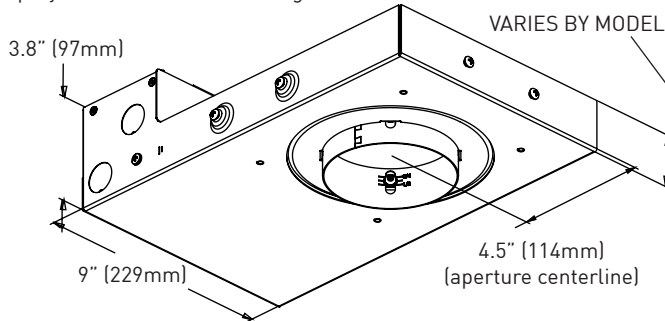
FIXTURE DISTINGUISHING FEATURES

Cut-Off Angle	Minimum 40° to light source
Aperture	Anti-glare baffle
Light Tuning	Accepts up to 2 effects devices

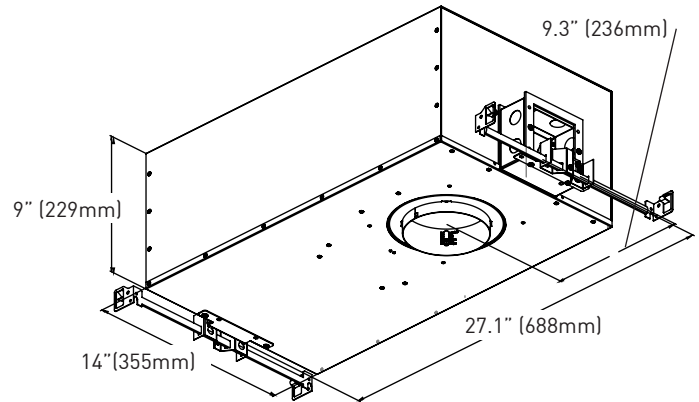
Do not install in environments where ambient temperatures exceed 40°C. Transformer compartment and all splice connections may be serviced from room side. Hanger bars included with housings and mounting trays.

NON-IC MOUNTING TRAY

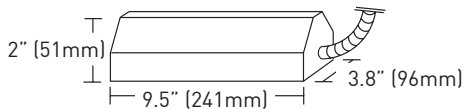
- For non-IC ceilings
- Metal conduit protected wiring and quick-connect conduit plug between fixture and power supply on tray/ junction box assembly.
- Hanger bars may be fitted to short or long side of tray and may be field cut/ narrowed.
- Minimum 1/2" (13mm) setback from combustible materials on all sides and top of tray and downlight fixture assembly.
- Minimum additional 3" (76mm) setback from insulation material having max R-Value of 30 on all sides and top of tray and downlight fixture assembly; minimum additional 6" (152mm) from polycell spray-in foam insulation having max R-Value of 40.

**IC HOUSING**

- For IC, Airtight, CCEA ceilings
- Chicago Plenum & ASTM E283 Airtight rated
- Housing for use on 80X-13B, 80X-16B, 80X-21B, 80X-10C, 80X-13C or 95X-13B, 95X-16B, 95X-21B, 95X-10C, 95X-13C configurations.
- **WARNING:** Polycell spray-in foam insulation having max R-Value of 40 requires setback of 3" (76mm) from all sides and top of IC housing; **NOTE:** Consult factory for spacing requirements for any installations exceeding R-Value of 40.

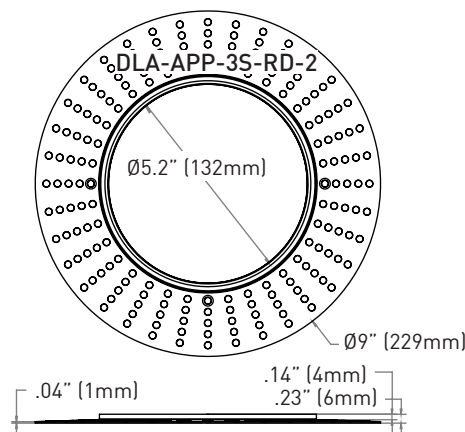
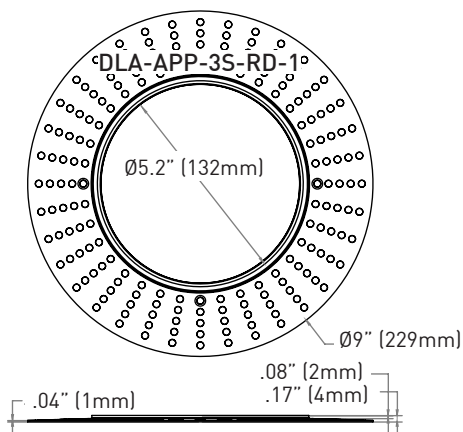
**NIC UNIVERSAL OR REMODEL**

- UL2043 listed
- For non-IC or remodel ceilings
- Mounts without conventional housing using ceiling appliqué or collar.
- Tethered power supply/ junction box with metal conduit protected wiring and quick-connect plug between fixture and power supply.
- Minimum setback from combustible materials of 6.63" (168mm) radius from fixture centerline; minimum 3" (76mm) from surfaces of power supply/ junction box if not situated within above noted radius from fixture centerline.
- Minimum additional 3" (76mm) setback from insulation material having max R-Value of 30 from any surface of downlight fixture assembly; minimum additional 6" (152mm) from polycell spray-in foam insulation having max R-Value of 40.

**ZERO-SIGHTLINE**

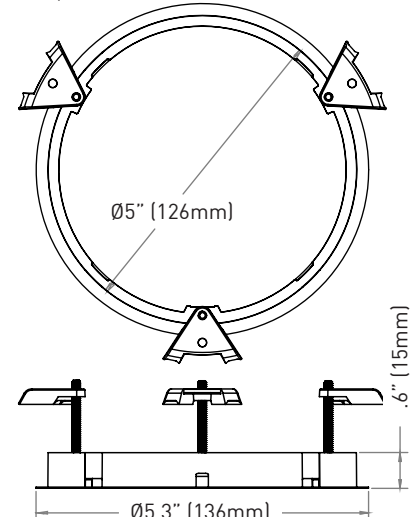
When installed according to manufacturer's instructions, and ceiling conditions are met, the fixture is flush with the ceiling plane; appliqué required. For housings use 5.13" (130mm) cutout. For international/remodel collars use 5" (127mm) hole cutout for collar.

- Mounting trays, housings, remodel zero sightline use model DLA-APP-3S-RD-1, or optional DLA-APP-3S-RD-2 where a thicker profile to apply mudding is preferred.

**FLANGE OVERLAY**

Fitting overlays the ceiling plane.

Mounting collar overlays the ceiling plane and recesses flush into downlight trim plate. Collars require 5" (127mm) hole cutout.



IC or Non-IC applications use matching fixture and housing. Tethered power supply (remodel) applications use NC fixture with matching power supply instead of housing.

TRIM PLATE COLOR	
WH	White
BK	Black
MG	Metallic Grey
PR	Primer
AB	Architectural Bronze
SS	Brushed Stainless
IG	Industrial Grey
PB	Polished Oil-Rubbed Bronze Plate
MB	Matte Oil-Rubbed Bronze Plate
CH	Chrome
CF	Custom Finish

Fixture Ex. Model No.
3RE-FD-1-WH-80X-30B27-1-N-1

Housing Ex. Model No.
DH-IC-3F-80X-30B-1L2-A

RM Power Supply Ex. Model No.
PS-RMD-80X-30B-1L2

A range of custom RAL, color matching and metal plate finishes are also available.

SOURCE LUMENS

13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}

OPTIC

1	25° Smooth
2	40° Smooth
3	60° Smooth
4	10° Spot
5	25° Spot

CEILING THICKNESS

1	.5" - 1.25"
2	1.25" - 2"
3	1.75" - 3"

3RE-FD-1 - [] - [] - [] - [] - [] - [] - []

CRI/MODULE	
80X	80CRI Xicato
95X	95CRI Xicato

COLOR TEMP	
27	2700K
30	3000K
35	3500K
40	4000K

Install Type	
I	IC
N	NIC or Remodel

INPUT VOLTAGE	
1	120V

POWER SUPPLY	
TR	Triac ¹
L2	Lutron Forward Phase 2-Wire ²

U	120/277V
---	----------

L3	Lutron A-Series EcoSystem/3-wire
LH	Lutron H-Series EcoSystem; Fade-to-black
AN	0-10v Analog ³
ND	Non-Dimming ³
EA	eldoLED 0-10v analog
ED	eldoLED Dali

INSTALL TYPE	
IC	Insulation Contact ⁷
NC	No Insulation Contact

CRI/MODULE	
80X	80CRI Xicato
95X	95CRI Xicato

RMT	Remote
-----	--------

Leave Blank

DH - [] - [] - [] - [] - [] - [] - []

FIXTURE FLANGE	
3F	Flange Overlay
30	Zero-Sightline

SOURCE LUMENS	
13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}
10C	1000lm Spot
13C	1300lm Spot

CEILING THICKNESS	
A	.5"
B	.625"
C	.75"
D	.875"
E	1"
F	1.125"
G	1.25"
H	1.375"
I	1.5"
J	1.625"
K	1.75"
L	1.875"
M	2"
N	2.125"
O	2.25"
P	2.375"
Q	2.5"
R	2.625"
S	2.75"
T	2.875"
U	3"

Height will be set at the factory. Accuracy is important for correct field installation.

SOURCE LUMENS	
13B	1300lm
16B	1600lm ⁴
21B	2100lm
30B	3000lm
40B	4000lm ^{5,7}
10C	1000lm Spot
13C	1300lm Spot

CRI/MODULE	
80X	80CRI Xicato
95X	95CRI Xicato

PS- [] - [] - [] - [] - []

APPLICATION TYPE	
RMD	Remodel
RMT ⁶	Remote

INPUT VOLTAGE	
1	120V
U	120/277V

POWER SUPPLY	
TR	Triac ¹
L2	Lutron Forward Phase 2-Wire ²
L3	Lutron A-Series EcoSystem/3-wire
LH	Lutron H-Series EcoSystem; Fade-to-black
AN	0-10v Analog ³
ND	Non-Dimming ³
EA	eldoLED 0-10v analog
ED	eldoLED Dali

ACCESSORIES

ADDITIONAL EFFECTS DEVICES

- ☐ CGL-CY2 Clear Glass Lens
- ☐ FGL-CY2 Frosted Glass Lens
- ☐ FSFL-CY2 Frosted Soft Focus Glass Lens
- ☐ HCL-CY2 Honeycomb Louver
- ☐ LSL-CY2 Linear Spread Lens
- ☐ SFL-CY2 Soft Focus Lens

UNIVERSAL ZERO-SIGHTLINE

For IC or NC zero-sightline (30) installations, select applique.

- ☐ DLA-APP-3S-RD-1 Standard, Recommended, 5/64"
- ☐ DLA-APP-3S-RD-2 Thicker for 9/64"

REMOTE POWER SUPPLY

- ☐ 'DLA-RMT-AK Remote accessory kit - Required

¹Not available for 80X-13B, 80X-21B, 80X-30B

²Not available for 80X-30B

³Not available for 80X-07B, 80X-10B, 80X-40B

⁴Not available for 95X

⁵Requires use of taller 70mm heat sink

⁶Selecting this option requires selection of DLA-RMT-AK

⁷Not available in 95X or IC

Power supply UL3

Product Family	120V Part No.	277V Part No.	Fixtures Per Control	
			120V	277V
NovaT®	NTF-10-	NTF-10-277-	1 - 41	1 - 44
	NTF-103P-	NTF-103P-277-	1 - 20	1 - 33
Nova®	NF-10-	NF-10-277-	1 - 41	1 - 44
	NF-103P-	NF-103P-277-	1 - 20	1 - 33
Vareo®	VF-10-	--	1 - 20	--
Skylark®	SF-10P-	SF-12P-277-	1 - 20	1 - 33
	SF-103P-	SF-12P-277-3	1 - 20	1 - 33
Diva®	DVF-103P-	DVF-103P-277-	1 - 20	1 - 33
	DVSCF-103P-	DVSCF-103P-277-	1 - 20	1 - 33
Ariadni®	AYF-103P-	AYF-103P-277-	1 - 20	1 - 44
Vierti®	VTF-6A-		1 - 15	1 - 33
Maestro®	MAF-6AM-	MAF-6AM-277-	1 - 15	1 - 33
	MSCF-6AM-	MSCF-6AM-277-	1 - 15	1 - 33
Maestro Wireless®	MRF2-F6AN-DV-		1 - 15	1 - 33
RadioTouch®	RTA-RX-F-		1 - 41	1 - 88
Spacer System®	SPSF-6A-	SPSF-6A-277-	1 - 15	1 - 33
	SPSF-6AM-	SPSF-6AM-277-	1 - 15	1 - 33
Lyneo® Lx	LXF-103PL-	LXF-103PL-277-	1 - 20	1 - 33
RadioRA® 2	RRD-F6AN-DV-		1 - 15	1 - 33
HomeWorks® QS	HQRD-F6AN-DV		1 - 15	1 - 33
Interfaces	PHPM-3F	PHPM-3F-DV	1 - 41	1 - 88
	GRX-FDBI-16A		1 - 41	1 - 88
PowPak™ with Ecosystem	RMJ-ECO32-DV-B		32 per EcoSystem link	
Energi Savr Node™ with EcoSystem	QSN-1ECO-S, QSN-2ECO-S		63 per EcoSystem link	
GRAFIK Eye® QS with EcoSystem	QSG-_P120		64 per EcoSystem link	
Quantum®	Various		64 per EcoSystem link	

Power supply 1L2

Product Family	Part No.	Fixtures Per Control (120V Only)
NovaT®	NTLV-600-CPN0199	1 - 8
Maestro Wireless®	MRF2-6ND-120	1 - 8
RadioRA® 2 1000W	RRD-10ND	1 - 13
RadioRA 2 adaptive dimmer	RRD-6NA	1 - 8
RadioRA 600W	RA-6ND	1 - 8
RadioRA 1000W	RA-10ND	1 - 13
HomeWorks® QS 600W (LED)	HQRD-6ND	1 - 8
HomeWorks QS 1000W (LED)	HQRD-10ND	1 - 13
HomeWorks QS adaptive dimmer	HQRD-6NA	1 - 8
HomeWorks QS WPM (LED)	HQRJ-WPM-6D-120	1 - 10 (per output)
HomeWorks 600W dimmer	HRD-6ND	1 - 8
HomeWorks 1000W dimmer	HWD-10ND, HRD-10ND	1 - 13
HomeWorks WPM	HWI-WPM-6D-120	1 - 10 (per output)
GRAFIK EYE® QS (fluorescent)	QSGR-, QSGRJ-	1 - 10 (per output)
GRAFIK EYE 3000 (fluorescent)	GRX-3100, GRX-3500	1 - 10 (per output)
RPM-4U module, (LCP, HomeWorks, GRAFIK Systems, Quantum®)	HW-RPM-4U-120, LP-RPM-4U-120	1 - 26 (per output)
RPM-4A module, (LCP, HomeWorks, GRAFIK Systems, Quantum) (LED)	HW-RPM-4A-120, LP-RPM-4A-120	1 - 13 (per output)
GP panels (LCP, HomeWorks, GRAFIK Systems, Quantum)	Various	1 - 26
Stanza®	SZ-6ND	1 - 8

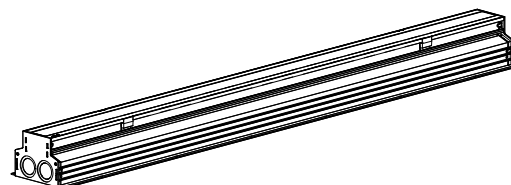
Client _____ Project name _____

Order# _____ Type _____ Qty _____

FEATURES AND BENEFITS

Physical :

- Aluminum optical chamber housing
- Anodized aluminum flush trim
- Polymer recycled PVC blackout housing
- Available in 1', 2', 3' or 4' sections
- Die cast aluminum end caps
- Stainless steel hardware
- Tempered glass lens
- Asymmetric wallwash, 10° x 10°, 10° x 60°, 30° x 60° or 60° x 60° optics
- 0°, 2.5°, 5° or 20° factory-set optical aiming options (not available for asymmetric wallwash)
- IP68 rated for up to 1' (30cm), not suitable for permanent immersion applications
- IK10 rated
- 1000kg max load, walk over only*



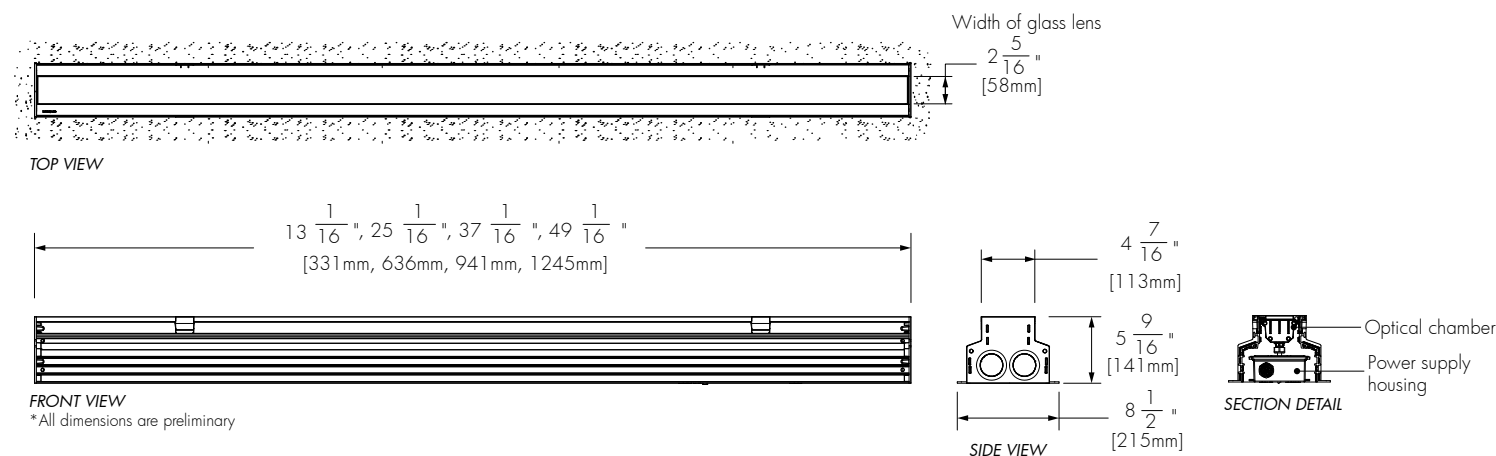
Performance :

- Lumen maintenance 80,000 hrs [L70 @ 25°C]
- Lumen maintenance 60,000 hrs [L70 @ 50°C]
- Lumen measurements comply with LM - 79 - 08 standard
- Resolution per foot or per fixture
- Operating temperatures: -40° C to 50° C [-40F to 122F]

4ft HO 4000K 0 degree tilt setting	Delivered Output [lm]	Intensity [peak cd]
10°x10°	3,932	16,137
10°x60°	3,668	10,138
30°x60°	4,035	5,317
60°x60°	3,845	3,062

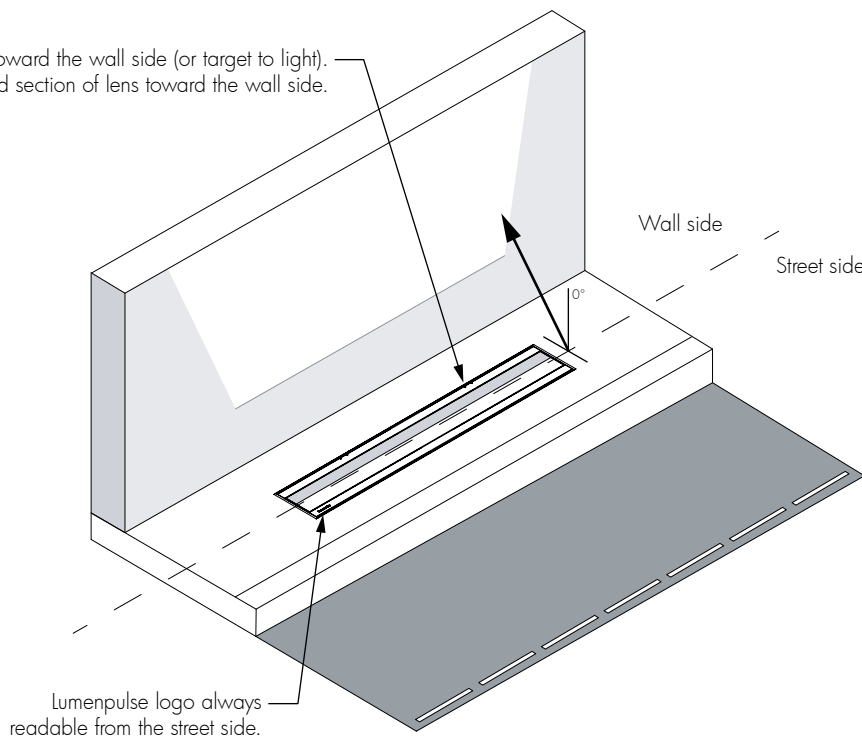
Electrical :

- Line voltage luminaire for 100 to 277V
- Power and data in 1 cable (#16-5)
- IP68 push-lock connectors
- 5W/ft version meets ASHRAE standards for linear lighting on building facades
- 8.5W/ft Regular Output version
- 15.25W/ft High Output version
- Dimming options: 0-10V, DALI, DMX, Lumentalk or Lutron® EcoSystem® enabled



*To meet 1000kg walk over resistance requirements, cement must support 100% of the exterior surfaces of the blackout.

OPTICAL CHAMBER ORIENTATION



ACCESSORIES

Order separately, refer to each item's specification sheet for ordering information

Control Systems:

- ITO2** 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.
- LTN** Lumentone is a simple pre-programmed DMX 512 controller
with a push button rotary dial and live feedback.

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.

Cables **(required)**:

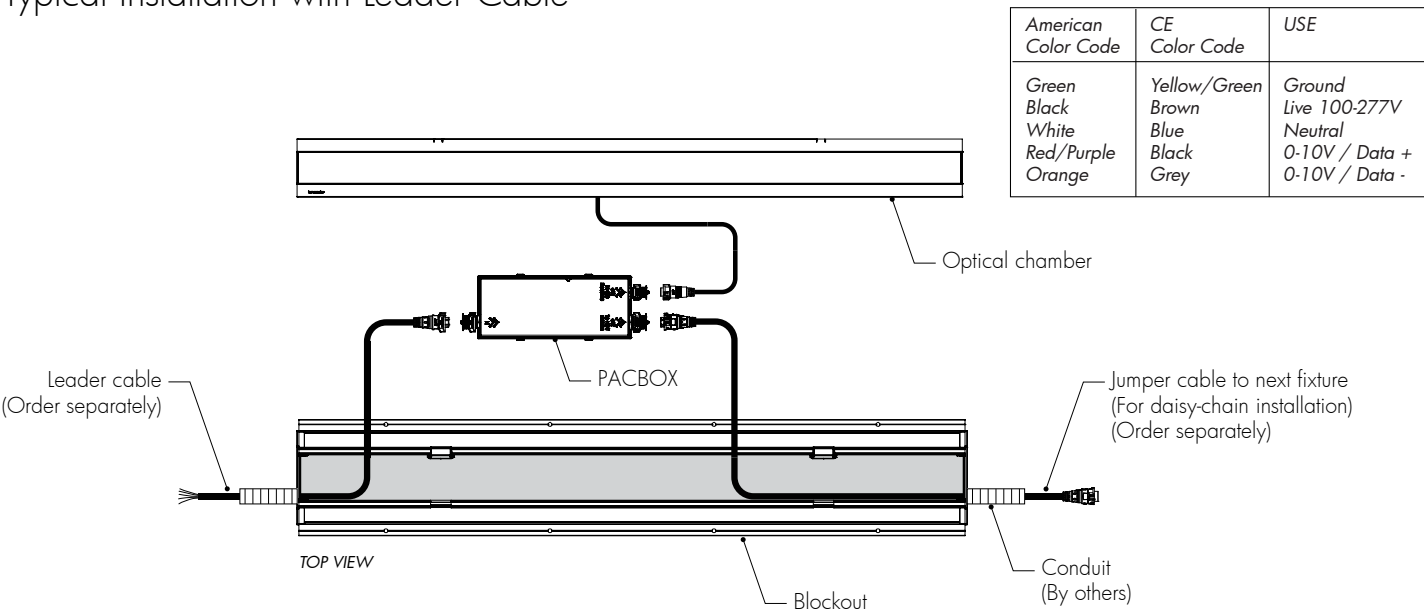
- LOILC** Leader Cable for Lumenfacade Inground; 10', 25' or 50' [3m, 7.6m or 15.2m] standard lengths
- LOIJC** Jumper Cable for Lumenfacade Inground; 2', 4' or 10' [0.6m, 1.2m or 3m] standard lengths

Inground Junction Box (optional):

- Lumenfacade Inground IP68 sealed junction box starter kit - **LOI-JBOX** order code.
*Use for stand alone fixtures and/or first of run fixtures

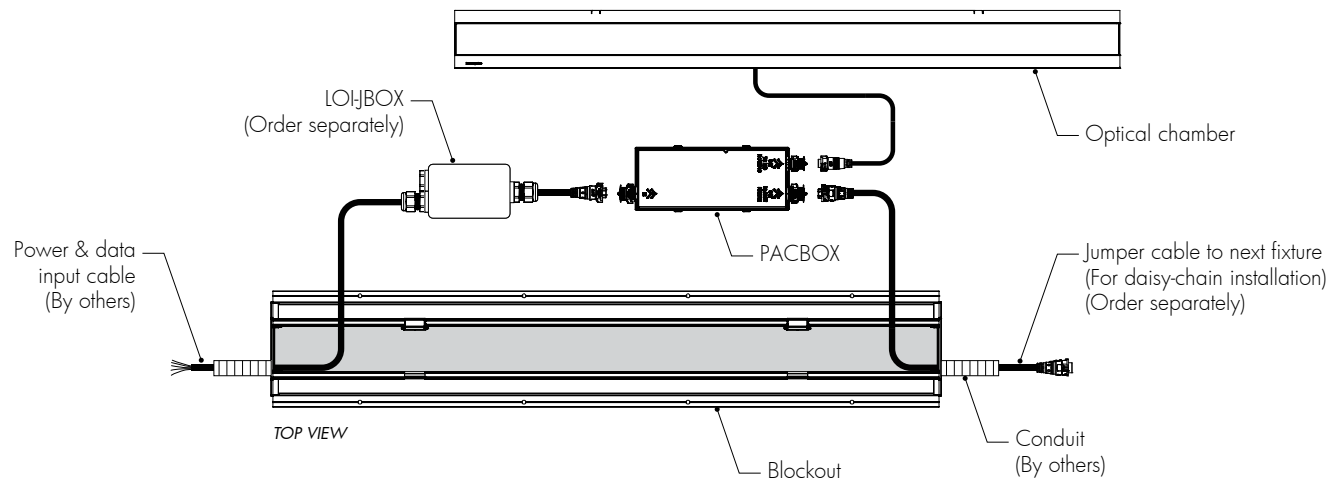
TYPICAL WIRING DIAGRAMS

Typical Installation with Leader Cable



Typical Installation with IP68 LOI-JBOX Accessory

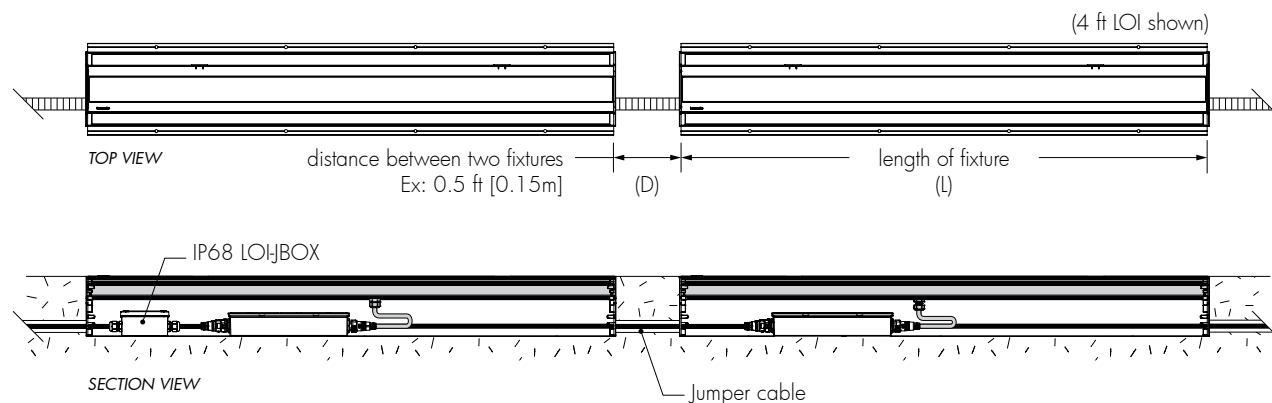
Cannot be used with 1 ft LOI fixture



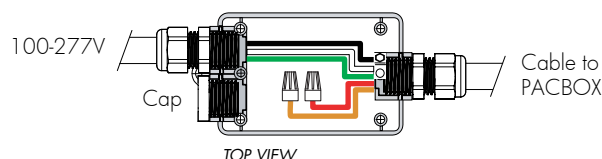
TYPICAL WIRING DIAGRAMS - continued

Non-Dimming or Lumentalk Dimming Version

1% minimum dimming value with Lumentalk dimming



IP68 LOI-JBOX Accessory - Wiring Detail



Jumper Cable Length Selection

Add the length of one fixture to the distance between two fixtures: $L + D$.

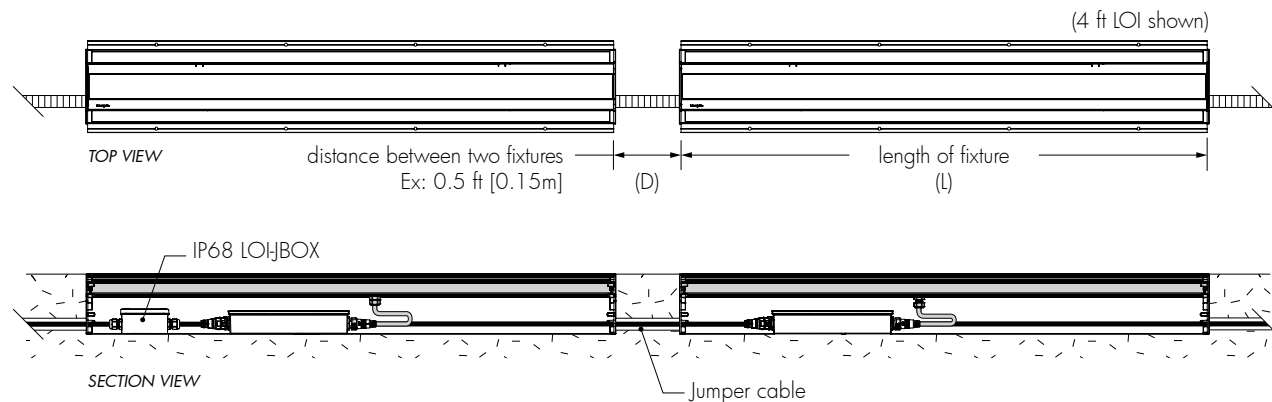
Ex: $L + D = 4.5\text{ft}$
[1.4m]

Order the next longest jumper cable available: **2', 4' or 10'**
[0.6m, 1.2m or 3m]

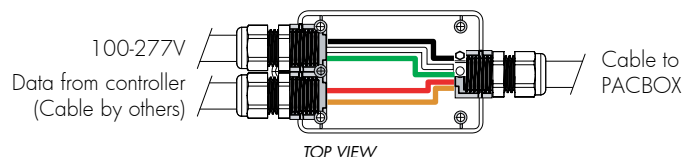
Therefore 10' [3m]
jumper cable required

Dimming Version (0-10V, DALI, EcoSystem®*)

10% minimum dimming value for 0-10V, 1% minimum dimming value for DALI, EcoSystem®



IP68 LOI-JBOX Accessory - Wiring Detail



Jumper Cable Length Selection

Add the length of one fixture to the distance between two fixtures: $L + D$.

Ex: $L + D = 4.5\text{ft}$
[1.4m]

Order the next longest jumper cable available: **2', 4' or 10'**
[0.6m, 1.2m or 3m]

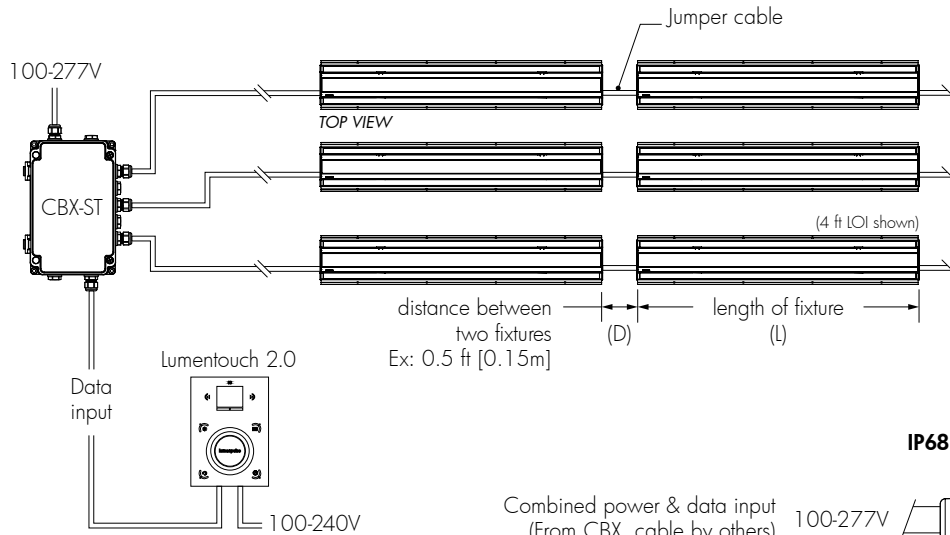
Therefore 10' [3m]
jumper cable required

*Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown above, there are a total of 2 EcoSystem® addresses.

TYPICAL WIRING DIAGRAMS - continued

Star Layout (DMX Dimming)

1% minimum dimming value



Jumper Cable Length Selection

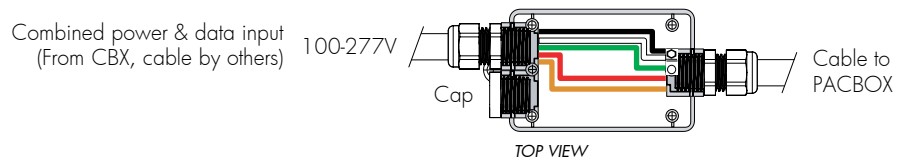
Add the length of one fixture to the distance between two fixtures: $L + D$.

Order the next longest jumper cable available: **2', 4' or 10'**
[0.6m, 1.2m or 3m]

Ex: $L + D = 4.5\text{ft}$ [1.4m]

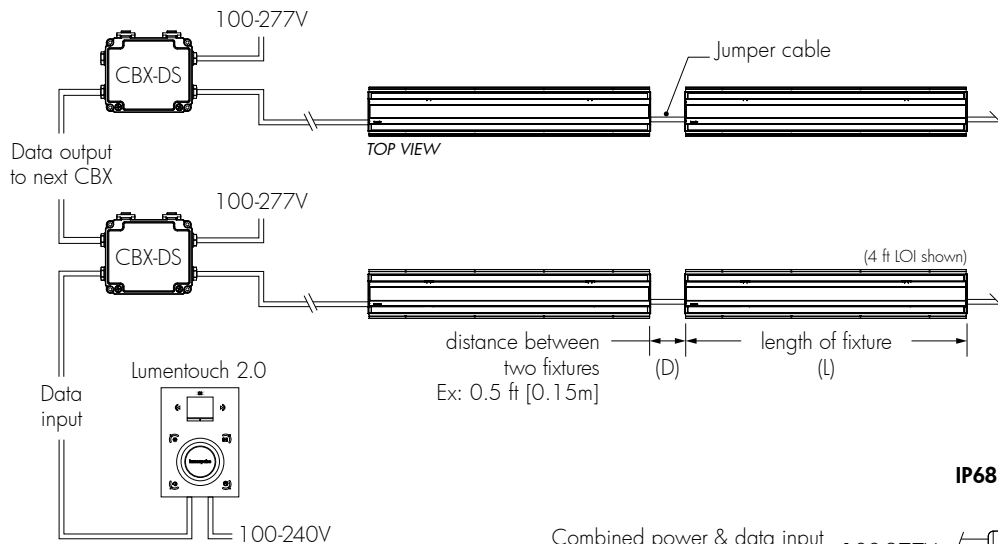
Therefore 10' [3m]
jumper cable required

IP68 LOI-JBOX Accessory - Wiring Detail



Daisy Chain Layout (DMX Dimming)

1% minimum dimming value



Jumper Cable Length Selection

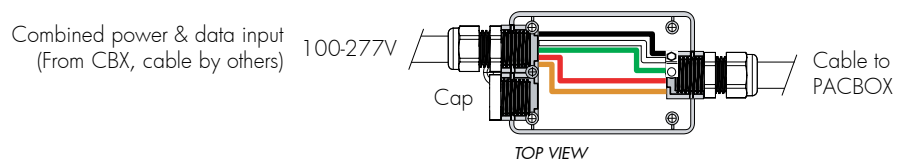
Add the length of one fixture to the distance between two fixtures: $L + D$.

Order the next longest jumper cable available: **2', 4' or 10'**
[0.6m, 1.2m or 3m]

Ex: $L + D = 4.5\text{ft}$ [1.4m]

Therefore 10' [3m]
jumper cable required

IP68 LOI-JBOX Accessory - Wiring Detail



HOW TO ORDER

LOI	100/277							
1	2	3	4	5	6	7	8	9

1	
---	--

Housing:

LOI ASHRAE - lumenfacade™ Inground, 5W/ft ASHRAE compliant
LOI RO - lumenfacade™ Inground, Regular Output, 8.5W/ft
LOI HO - lumenfacade™ Inground, High Output, 15.25W/ft

A lumenfacade Inground fixture includes 1x optical chamber (LOIC), 1x power and control box (PACBOX) and 1x recessed blockout (RBO). The LOIC, PACBOX and RBO are provided according to the output/color, length and control configuration.

2	
---	--

Voltage:

100/277 - 100-277 volts

3	
---	--

Length:

12 - 13 1/16 inches (331mm)
24 - 25 1/16 inches (636mm)
36 - 37 1/16 inches (941mm)
48 - 49 1/16 inches (1245mm)

4	
---	--

Colors and Color temperatures:

27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K
RD - Red (8-10 weeks lead time)
GR - Green (8-10 weeks lead time)
BL - Blue (8-10 weeks lead time)

5	
---	--

Optics:

WW - Asymmetric Wallwash optic
10x10 - 10° x 10° *
10x60 - 10° x 60°
30x60 - 30° x 60°
60x60 - 60° x 60°

*For best results, use with HO fixtures. Contact factory for application support.

6	
---	--

Tilt Setting:

Note: not for asymmetric wallwash

TS0 - 0 degrees
TS2.5 - 2.5 degrees
TS5 - 5 degrees
TS20 - 20 degrees
 Factory set. Cannot be adjusted in the field.

7	
---	--

Optical Option:

INTL - Internal Louver

8	
---	--

Control:

NO - No Dimming
LT - Lumentalk Dimming¹
DIM - 0-10V Dimming²
DMX 1FT - DMX Dimming, resolution per foot¹
DMX 1FX - DMX Dimming, resolution per fixture¹
DALI - DALI Dimming¹
ES - Lutron® EcoSystem® Enabled Dimming³

9	
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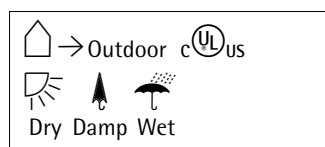
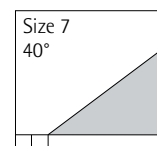
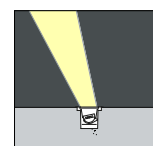
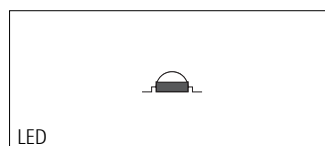
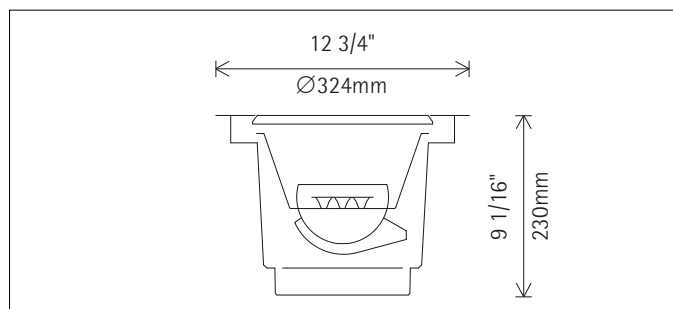
Option:

ASL - Anti-slip lens

Notes:

- ¹ 1% minimum dimming value.
- ² 10% minimum dimming value.
- ³ One EcoSystem® address per fixture length. 1% minimum dimming value.

Directional luminaire

**33599.023**

LED 18W 2475lm 4000K neutral white
Dimmable
Version 8
Covered mounting detail
Spherolit lens, spot

Product description

Housing: polymer, black.
Electronic control gear, 60Hz, 120V
dimmable, 277V switchable. Longitudi-
nally watertight cable AWG14, L 31 1/2"
/ 800mm.

LED module: high-power LEDs on
metal-core PCB. SDCM<2. CRI>80. L80/
B10 50000h. Collimating lens made of
optical polymer. 0-30° tiltable, rotatable
through 360°.

Optical cut-off 40° from horizontal.
Screw-fastened cover ring with flush
safety glass: stainless steel. Safety glass:
9/16" / 15mm, clear.

Installation with separate connection
sleeve.

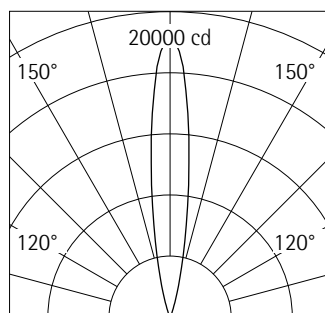
Mounting in recessed housing: can be
driven over in vehicles with pneumatic
tyres. Load 11240lb.wt / 50kN.

Mounting in hollow floor: mounting kit
to be ordered separately.

120V: Dimming with external dimmers
possible (trailing edge).

Suitable for wet location (IP68): dust-
proof.

Weight 14.79lbs / 6.71kg



LED 18W 2475lm 4000K neutral white

h(ft)	E(fc)	D
15	81	3'11"
12	127	3'2"
9	226	2'4"
6	509	1'7"
3	2037	0'9"

Technical data

Luminous flux of the luminaire	1857lm
Connected load	20W
Luminous efficacy	93lm/W
Color deviation	SDCM<2
Color rendition index	CRI>80
Lumen maintenance	L80/B10 50000h
LED failure rate	0.1% 50000h
Temperature on the cover glass	100°F / 38°C

Directional luminaire

Technical data based on international standards and directives

IEC 60598	Luminaires – Parts 1 + 2: General requirements, particular requirements and tests
IEC 62031	LED modules for general lighting – Safety specifications
IEC 62471	Photobiological safety of lamps and lamp systems
UL 1598	Luminaires
UL 1574	Standard for Track Lighting Systems
UL 8750	Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products
IES LM-79-08	Electrical and Photometric Measurements of Solid-State Lighting Products
IES LM-80-08	Measuring Lumen Maintenance of LED Light Sources
CIE 13	Method of measuring and specifying color rendering properties of light sources

Accessories



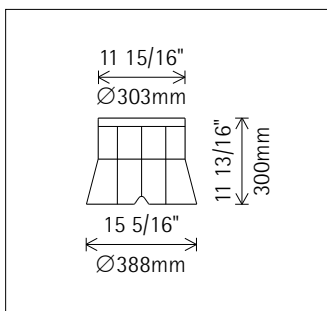
33958.023

Connection sleeve
for cable diameters of 0.25" - 0.80".
Polymer conduit, two-part PUR cast resin.
Length 5 15/16" / 150mm.
Width 1 1/4" / 32mm.
Height 2 3/8" / 59mm.
Weight 0.99lbs / 0.45kg



33968.000

Recessed housing
Polymer, black.
4 cable entries.
Load 11240lb.wt / 50kN.



33988.000

Mounting kit
Mounting in hollow floors.
3 mounting brackets: stainless steel.
Clamp extension 7/16" - 1 13/16" / 11-46mm.
Load 4500lb.wt / 20kN.
Floor aperture:
Size 5: Ø 10 1/16" / 255mm
Size 7: Ø 11 9/16" / 293mm

