

Bend

3" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 950 lumens max direct; 1500 lumens max indirect..
See performance data table for additional information.



bend



SPECIFICATIONS

Due to the complexity of this specification, submittal drawings for any configuration are required. Some configurations may require remote mounting drivers.

CONSTRUCTION

- 2.9" x 4.8" profile with 1.9" aperture (nominal).
- Extruded aluminum housing with machined aluminum end headers
- Machined aluminum end caps mechanically attached with no exposed fasteners
- Extruded semi-rigid lens retention rail.
Lens rail will match standard housing finish specified.

OPTICS

- 3 SDCM CCT consistency, 80 CRI.
- White Opal (WOL) diffuse acrylic downlight diffuser
- Optional White Opal (WOL) or Clear (L1) acrylic indirect diffuser

ELECTRICAL

- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification.
- LED boards and solid state constant current driver are field-servicable.
- LED rated life L85 > 50,000 hours. Tested in accordance to LM79-2008 & rated life derived from EPA TM-21 calculator.
- 1C (1 Circuit) Fixture wired for a single circuit

ELECTRICAL (CONTINUED)

- 2C (2 Circuit) Uplight and downlight switched/dimmed separately. Two power feeds required.
- 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Available in straight fixtures greater than 3' in length.
- Inverter-Compatible. Provided by others.

INSTALLATION

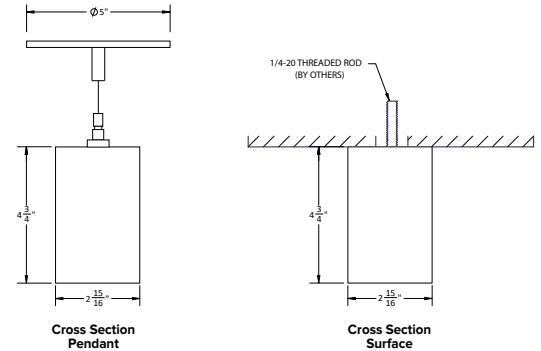
- Suspension required at every row joint.
3/32" diameter field adjustable cables
- Non-feed canopy covers 2" diameter (unless 5" non-feed cover specified).
- Surface mount available as direct distribution only
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See [Buy America\(n\) Solutions](#).
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

CERTIFICATIONS

- ETL listed for damp locations
- IBEW
- AF of L

WARRANTY

- LED boards - 5 years
- LED drivers (standard) - 5 years



	Weight
88L-PS-3	4 lbs/ft

KEY DATA	
Lumen Range	I: 400–1500 D: 350–950
SDCM	3
Rated Life	L85 > 50,000 Hours
Efficacy	67–95

ORDERING GUIDE

Example: 88L-P-ID-3-STD-16-08-WOL-C1-35K-I060-D080-D01-2C-UNV-FA1-L1

CATALOG #

88L – Straight Sections							
Series	Mounting	Distribution	Aperture	Uplight Distribution	Row Length (In Feet)	Max Length in Row	Direct Diffuser
88L Bend	P Pendant S Surface ¹	D Direct ID Indirect/Direct	3 3"	STD Standard	____' Enter in foot increments	02 2', 609mm 03 3', 914mm 04 4', 1219mm 05 5', 1524mm 06 6', 1828mm 08 8', 2438mm	WOL White Opal Diffuse Lens, Lambertian

Finish/Color	CCT/CRI	Indirect Output/Ft ²	Direct Output/Ft ³	Driver	Circuiting	Voltage
C1 Matte White (Default)	30K 3000K, 80CRI	I040 400 (Min) to	D035 350 (Min) to	D01 1% Dimming, 0-10V	1C 1 Circuit	UNV 120-277V
C4 Machined Aluminum	35K 3500K, 80CRI				2C 2 Circuit - Uplight/ Downlight	
C5 Carbon Black	40K 4000K, 80CRI	I150 1500 (Max)	D095 950 (Max)			
CC Custom Color						

OPTIONAL

Mounting Kit ⁸	Nightlight	Emergency	Thru-Wiring	Uplight Diffuser
FA1 Suspension Kit, 51" FA2 Suspension Kit, 87" FA3 Suspension Kit, 219"	NL Nightlight Circuit Required ⁴	EF 10W Emergency Battery Backup (CEC Title 20 Compliant) ⁵	W1 No Thru-Wire W2 Provide Normal and NL/EF Thru-Wiring ⁶ W3 Provide Normal Thru-Wiring Only	WOL White Opal Diffuse Lens L1 Clear Acrylic Dust Cover

Notes:

¹ For surface mount, Mounting Kit specification not required.

² Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.

³ Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.

⁴ Enter Quantity. 2NL= 2 Nightlight circuits per row.

⁵ Enter Quantity. 2EF= 2 Batteries per row. 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter Compatible. Provided by others.

⁶ Only applicable when specified with Emergency/Nightlight

⁷ Contact Factory for pattern configurations. Additional lead time may be applicable Approval drawings required.

⁸ Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V = 51" suspension kit w/ 5" canopies; canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified.

ORDERING GUIDE

Example: 88L-P-ID-3-STD-A4/90-WOL-C1-35K-I060-D080-D01-2C-UNV-FA1-L1

CATALOG #

88L – Curved sections													
Series		Mounting		Distribution		Aperture		Uplight Distribution		Arc		Direct Diffuser	
88L Bend		P Pendant S Surface ¹		D Direct ID Indirect/Direct		3 3"		STD Standard		A2/90 2' Diameter, 90° Arc A2/180 2' Diameter, 180° Arc A4/45 4' Diameter, 45° Arc A4/90 4' Diameter, 90° Arc A4/180 4' Diameter, 180° Arc A6/90 6' Diameter, 90° Arc A8/45 8' Diameter, 45° Arc A8/90 8' Diameter, 90° Arc A12/45 12' Diameter, 45° Arc A16/45 16' Diameter, 45° Arc A20/30 20' Diameter, 30° Arc Reference page 5 for visual ordering examples.		WOL White Opal Diffuse Lens, Lambertian	
Finish/Color		CCT/CRI		Indirect Output/Ft ²		Direct Output/Ft ³		Driver		Circuiting		Voltage	
C1	Matte White (Default)	30K	3000K, 80CRI	I040	400 (Min) to	D035	350 (Min) to	D01	1% Dimming, 0-10V	1C	1 Circuit	UNV	120-277V
C4	Machined Aluminum	35K	3500K, 80CRI							2C	2 Circuit - Uplight/Downlight		
C5	Carbon Black	40K	4000K, 80CRI	I150	1500 (Max)	D095	950 (Max)						
CC	Custom Color												
OPTIONAL													
Mounting Kit		Nightlight		Thru-Wiring		Uplight Diffuser							
FA1	Suspension Kit, 51"	NL	Nightlight Circuit Required ⁴	W1	No Thru-Wire	WOL	White Opal Diffuse Lens						
FA2	Suspension Kit, 87"			W2	Provide Normal and NL/EF Thru-Wiring ⁵	L1	Clear Acrylic Dust Cover						
FA3	Suspension Kit, 219"			W3	Provide Normal Thru-Wiring Only								

Notes:

¹

For surface mount, Mounting Kit specification not required.

²

Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.

³

Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.

⁴

Enter Quantity. 2NL= 2 Nightlight circuits per row.

⁵

Only applicable when specified with Emergency/Nightlight

PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required

Distribution/Output	Lumens/Ft	W/Ft	Efficacy
Direct			
D035	350	4.5	78
D040	400	5.1	78
D045	450	5.8	78
D050	500	6.4	78
D055	550	7.2	76
D060	600	7.9	76
D065	650	8.7	75
D070	700	9.5	74
D075	750	10.3	73
D080	800	11.2	71
D085	850	12.1	70
D090	900	13.0	69
D095	950	14.0	68
Indirect			
I040	400	3.3	121
I045	450	3.7	122
I050	500	4.1	122
I055	550	4.5	122
I060	600	4.9	122
I065	650	5.3	123
I070	700	5.7	123
I075	750	6.1	123
I080	800	6.5	123
I085	850	7.0	121
I090	900	7.4	122
I095	950	7.9	120
I100	1000	8.4	119
I105	1050	8.9	118
I110	1100	9.4	117
I115	1150	9.9	116
I120	1200	10.4	115
I125	1250	10.9	115
I130	1300	11.4	114
I135	1350	12.0	113
I140	1400	12.5	112
I145	1450	13.1	111
I150	1500	13.7	109

(Wattage may vary up to 5% from published)

Output Multiplier Table

Photometrics and outputs published on this spec sheet are based on nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

CCT	80 CRI
3000K	0.98
3500K	1
4000K	1.03

Bend

3" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

DIMENSIONS

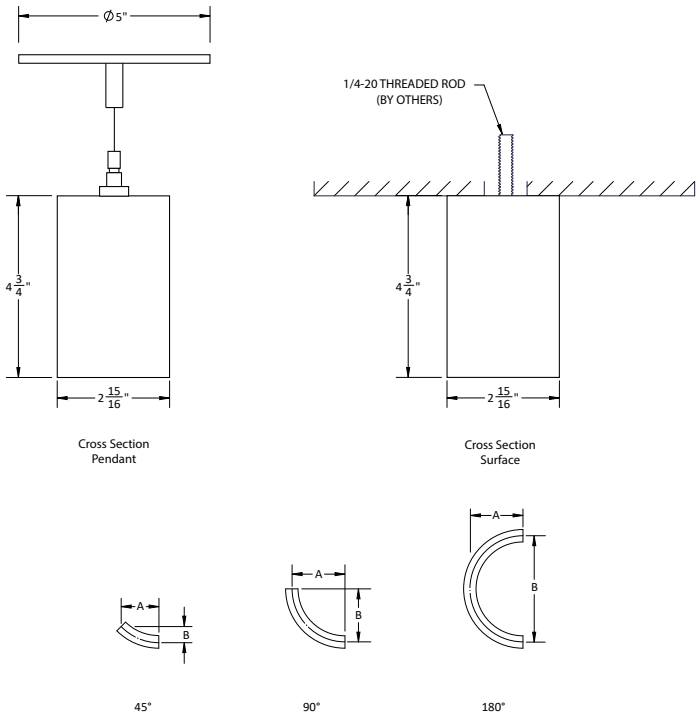
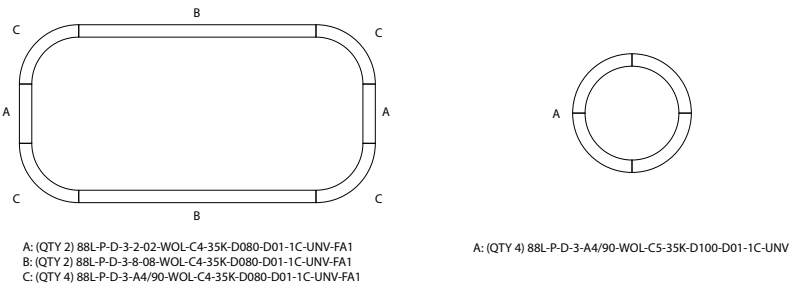


Table with 5 columns: Arc Specification, Diameter (Nominal), Angle, DIM A, DIM B. It lists various configurations for 45, 90, and 180 degree bends with their corresponding dimensions.

Ordering Examples



Bend

3" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

PHOTOMETRY

88L-P-D-3-4-WOL-C1-35K8-D105-D01-1C-UNV-H

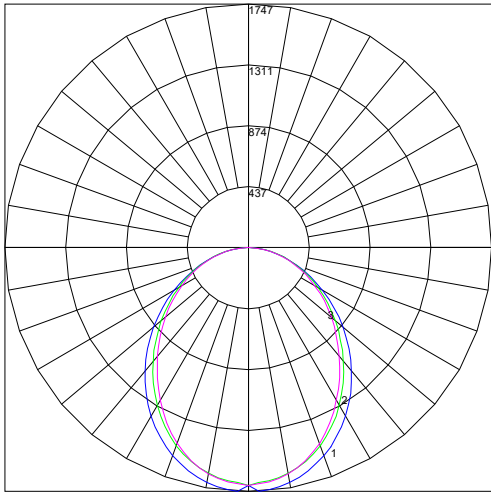
LUMINAIRE DATA

Test No.	R22.01373-15
Description	Pendant Direct 3" Aperture, 4' Length
Delivered Lumens	4200
Watts	62.8
Efficacy	67
Mounting	Pendant

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2015	48
0-60	3372	80
0-90	4200	100
0-180	4200	100

POLAR GRAPH



Maximum Candela = 1747 437. Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (45 - 225)
3 - Vertical Plane Through Horizontal Angles (90 - 270)