

resulting fixture wattages

Bend

4" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

DATE: LOCATION:

TYPE: PROJECT:

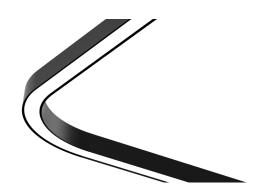
CATALOG #:

bend

FEATURES

• 1150 lumens max direct; 1500 lumens max indirect. See performance data table for additional information.

· Variable Intensity technology provides a range of specifiable outputs and









SPECIFICATIONS

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

CONSTRUCTION

- 4.5" x 4.8" profile with 3.5" aperture (nominal).
- Extruded aluminum housing with machined aluminum end headers
- Machined aluminum end caps mechanically attached with no exposed fasteners

OPTICS

- 3 SDCM CCT consistency, 80 CRI.
- White Opal (WOL) diffuse a crylic 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
- 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.

ELECTRICAL (CONTINUED)

- · Inverter-Compatible. Provided by others.
- Operating Temperature: −20 to 25°C

INSTALLATION

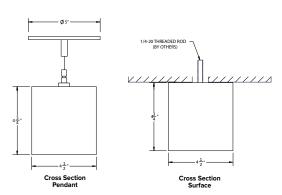
- Suspension required at every row joint. 3/32" diameter field adjustable cables, ship separately
- · Low profile cable gripper limits visibility.
- Non-feed canopy covers 2" diameter (unless 5" non-feed cover specified).
- Surface mount available as direct distribution only.

CERTIFICATIONS

- · ETL listed for wet locations
- IBEW
- AF of L
- 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 <u>Buy America(n)</u> Solutions.
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

WARRANTY

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



	Weight
88L-PS-4	4 lbs/ft

KEY DATA		
Lumen Range I: 450–1500 D: 350–1150		
SDCM	3	
Rated Life	L85 > 50,000 Hours	
Efficacy	82–109	



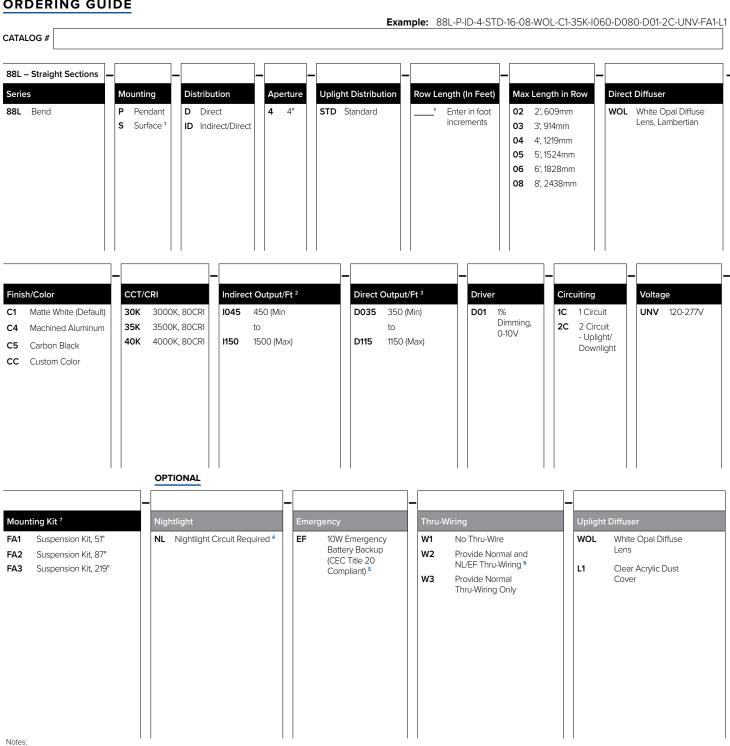


Bend

4" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

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ORDERING GUIDE



- For surface mount, Mounting Kit specification not required.
- Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
- $Specifiable\ in\ 50\ lumen\ increments.\ Reference\ the\ Performance\ Data\ Table\ for\ full\ performance\ offering\ and\ exceptions.$
- Enter Quantity. 2NL= 2 Nightlight circuits per row.
- 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.
- Only applicable when specified with Emergency/Nightlight
- Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FAI/V = 51" suspension kit w/ 5" canopies; canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified.





Bend

4" PENDANT OR SURFACE DIRECT OR INDIRECT/DIRECT

DATE:	LOCATION:
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CATALOG #:	

ORDERING GUIDE Example: 88L-P-ID-4-STD-A4/90-WOL-C1-35K-I060-D080-D01-2C-UNV-FA1-L1 CATALOG # 88L - Curved sections Distribution **Uplight Distribution** Direct Diffuser Mounting Series **Aperture** Arc 88L Bend Pendant 4 4" STD Standard Δ2/90 WOL White Opal Diffuse D Direct 2' Diameter, 90° Arc Lens, Lambertian S Surface ¹ ID Indirect/Direct Δ2/180 2' Diameter, 180° Arc. A4/45 4' Diameter, 45° Arc 4' Diameter, 90° Arc A4/90 4' Diameter, 180° Arc A4/180 6' Diameter, 90° Arc Δ6/90 8' Diameter, 45° Arc Δ8/45 8' Diameter, 90° Arc Δ8/90 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. Driver Circuiting Finish/Color CCT/CRI Indirect Output/Ft ² Direct Output/Ft 3 Voltage Matte White (Default) 30K 3000K, 80CRI 1045 450 (Min) D035 350 (Min) D01 1C 1 Circuit **UNV** 120-277V Dimming, 2C 2 Circuit Machined Aluminum 3500K, 80CRI to C4 0-10V - Uplight/ 4000K, 80CRI 1500 (Max) D115 1150 (Max) Carbon Black C5 Downlight CC Custom Color **OPTIONAL** Mounting Kit Nightlight Uplight Diffuser FA1 Suspension Kit, 51" NL Nightlight Circuit Required 4 W1 No Thru-Wire WOL White Opal Diffuse Lens W2 Provide Normal and NL/EF FA2 Suspension Kit, 87" Clear Acrylic Dust Cover Thru-Wiring 6 FA3 Suspension Kit, 219" W3 Provide Normal Thru-Wiring Only

Notes:

- For surface mount, Mounting Kit specification not required.
- 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







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PERFORMANCE DATA TABLE

Distribution/Output	Lumens/Ft	W/Ft	Efficacy
Direct			
D035	350	3.8	93
D040	400	4.3	94
D045	450	4.8	93
D050	500	5.3	94
D055	550	6.0	92
D060	600	6.5	92
D065	650	7.2	91
D070	700	7.8	90
D075	750	8.4	89
D080	800	9.1	88
D085	850	9.8	87
D090	900	10.5	86
D095	950	11.3	84
D100	1000	12.0	83
D105	1050	12.8	82
D110	1100	13.6	81
D115	1150	14.4	80
Indirect			
1045	450	3.2	141
1050	500	3.5	142
1055	550	3.9	142
1060	600	4.2	142
1065	650	4.6	142
1070	700	4.9	142
1075	750	5.3	143
1080	800	5.6	142
1085	850	6.0	141
1090	900	6.4	141
1095	950	6.8	139
1100	1000	7.3	138
1105	1050	7.7	137
I110	1100	8.1	136
1115	1150	8.5	135
I120	1200	9.0	134
l125	1250	9.4	133
I130	1300	9.8	132
l135	1350	10.3	130
I140	1400	10.8	130
l145	1450	11.3	129
1150	1500	11.8	127

(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.

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



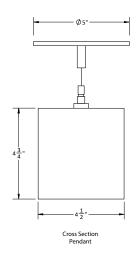


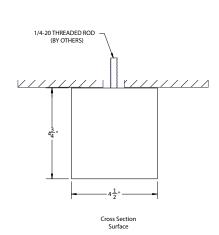
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DIMENSIONS









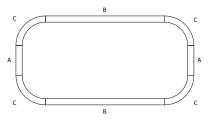


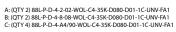
180°

CATALOG #:

Arc Specification	Diameter [Nominal]	Angle	DIM A	DIM B
A2/90	2'	90°	12"	12"
A2/180	2'	180°	12"	24"
A4/45	4'	45°	16.97"	7.03"
A4/90	4'	90°	24"	24"
A4/180	4'	180°	24"	48"
A6/90	6'	90°	36"	36"
A8/45	8'	45°	33.94"	14.06"
A8/90	8'	90°	48"	48"
A16/45	16'	45°	67.88"	28.12"
A20/30	20'	30°	60"	16.08"

Ordering Examples







A: (QTY 4) 88L-P-D-4-A4/90-WOL-C5-35K-D100-D01-1C-UNV





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PHOTOMETRY

88L-P-D-4-4-WOL-C1-35K8-D125-D01-1C-UNV-H

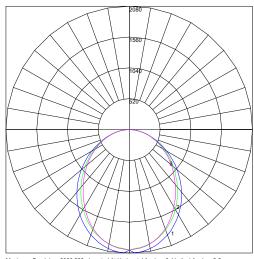
LUMINAIRE DATA

Test No.	R22.01373-49
Description	Pendant Direct 4" Aperture, 4' Length
Delivered Lumens	5000
Watts	59.2
Efficacy	84
Mounting	Pendant

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2398	48
0-60	4015	80
0-90	5000	100
0-180	5000	100

POLAR GRAPH



Maximum Candela = 2080.282 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)