

DESCRIPTION

The Define series by Neo-Ray characterizes the ultimate in minimalist simplicity by providing clean, uniform lines of illumination in virtually any architectural environment. Powered by Eaton's most advanced linear LED technology, the Define series delivers outstanding efficacy in a variety of profile widths. 2", 3", 4" and 5" luminaire widths are all specifiable to the nearest foot as standard product and can be fitted with flush, regress and drop lensing. Custom corners and transitions are also available. Robust construction and adaptable, modular components make installation simple and ensure laser straight runs.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Housing extruded from 6063 aluminum. Nominal 2' -12' illuminated sections. Used in run configuration and/or individual fixtures. All components are RoHS compliant.

Lens

Snap in lens available in flush and drop lens profiles. Snap in end clips eliminate light leak and prevent moisture and insect ingress.

Finish

Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint.

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's are available in 2700K, 3000K, 3500K or 4000K with a typical CRI ≤ 85 . Projected life is 153,000 hours at $>79\%$ lumen output. Electronic drivers are available for 120-277V applications. Fixtures and electrical components certified to UL and CUL standards. Fixtures are damp location listed.

Controls

Equipped standard with a 0-10V continuous dimming driver compatible with most standard dimming devices (refer to website for specific compatibility reference).

Combine with FifthLight DALI and other energy saving products like sensors, daylighting controls and building management systems to maximize energy savings.

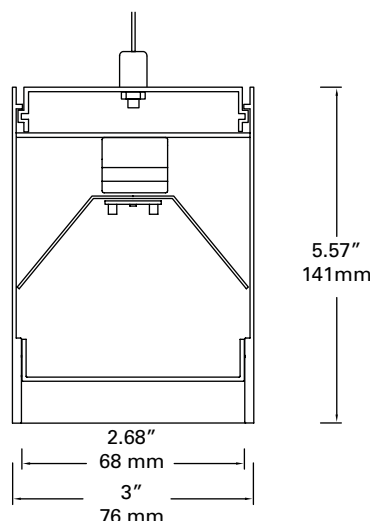
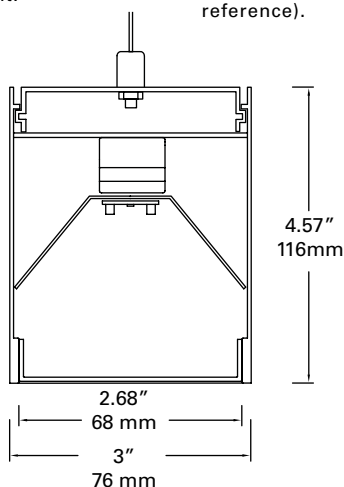
Mounting

Suspended.

Pendant with single aircraft cable and circular canopy. Standard length of canopy is 48".

Warranty

Five year warranty.



Define 3

Pendant

LED

Direct

CERTIFICATION DATA
cULus - 1598
Damp Location Listed
LM79/LM80 Compliant
RoHS Compliant
Lumawatt Pro Wireless

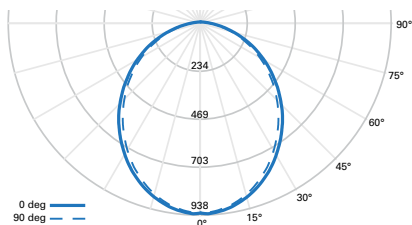


ORDERING INFORMATION

Sample Number: S123DP-235-SC48-ETG0048-1D-UDD-1-W

SERIES	LIGHT DISTRIBUTION	LIGHT LEVEL ¹	COLOR TEMP	MOUNTING CABLE LENGTH	CEILING TYPE ²	LENGTH ³	➤
S123 = Define 3	DP = Direct Pendant RDP = Regressed Direct Pendant	-LO = Light Level LO 1740 Lms @ 28W 435 Lumens/ft @ 5W -1 = Light Level 1 2380 Lms @ 28W 595 Lumens/ft @ 7W -2 = Light Level 2 3503 Lms @ 43W 876 Lumens/ft @ 10.7W	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	-SC48 = 48" (std) Adjustable Cable -SC120 = 120" Adjustable Cable -SC240 = 240" Adjustable Cable	-ETG = 15/16" Flat T-Grid -FTG = 9/16" Flat T-Grid -ITG = 9/16" Interlude T-Grid -STG = 9/16" Slot T-Grid -JB = Junction Box -ST = Structure	0024 = 2' Individual ⁴ 0048 = 4' Individual 0096 = 8' Individual 0144 = 12' Individual XXXX = Configurable Run ⁵	
CIRCUITING	CIRCUIT TYPE	VOLTAGE	LED DRIVER	SHIELDING DOWN	COLOR	OPTIONS ⁹	
-1 = Single Circuit -2 = Dual Circuit	D = Dimming (std) C = Non-Dimming B = Battery Pack ^{8,10} E = Emergency G = Bodine GTD ¹⁰	-1 = 120V -2 = 277V -U = Universal 120V-277V -3 = 347V ⁶	ED = Non-Dimming DD = 0-10V Dimming (std) HCD = 1% 0-10V Dimming 5L = DALI Dimming ^{7,10}	-1 = Satin White Diffuser -3 = Asymmetric Flush Optic ¹¹ -4 = Satin Drop Diffuser	-W = Matte White -S = Silver -B = Black -C = Custom Color	SVDPD1 = Integrated Sensor ¹³ LWIPD1 = Lumawatt Pro Wireless Integral Sensor ¹³ -VCR = Vertical Corner -HCR = Horizontal Corner -90 = 90-CRI (Lower Lumens) -R = GLR Fast Fusing -F = GMR Slow Fusing	

Photometric Data - All data certified to LM-79 standards in a NAVLAB approved testing facility



FILE NAME: S123DP-135-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 2380 Lms

WATTS: 28 W

LPW: 85 LPW

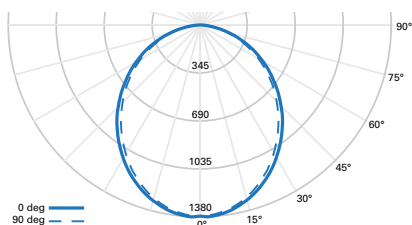
TEST NUMBER: P33912

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	698	29
0°-40°	1121	47
0°-60°	1914	80
0°-90°	2380	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	8562	8304	8106
55°	8006	7762	7518
65°	7379	7023	6769
75°	6191	5983	5734
85°	4072	4072	4072



FILE NAME: S123DP-235-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 3503 Lms

WATTS: 44 W

LPW: 79 LPW

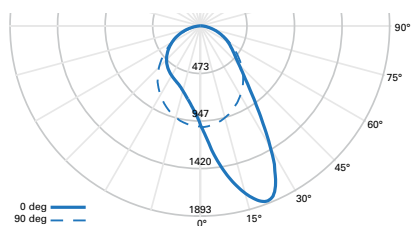
TEST NUMBER: P33923

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1027	29
0°-40°	1649	47
0°-60°	2818	80
0°-90°	3503	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	12684	12212	11908
55°	11812	11418	11043
65°	10891	10407	9924
75°	9182	8642	8227
85°	6046	6046	5676



FILE NAME: S123DP-135-X-X0048-1-UDD-3-W

CCT: 3500K

LUMENS: 2805 Lms

WATTS: 27.5 W

LPW: 102 LPW

TEST NUMBER: G2-1612-022-2

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	909	32.4
0°-40°	1454	51.8
0°-60°	2339	83.4
0°-90°	2805	100.0

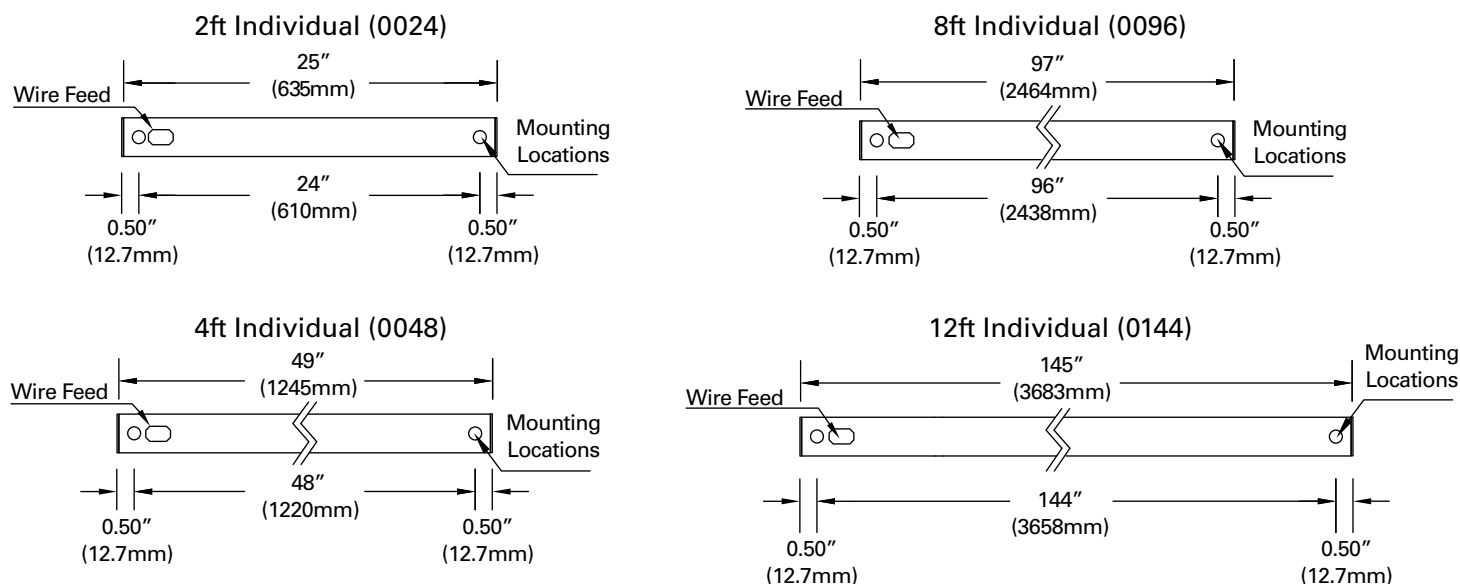
CANDELA DISTRIBUTION (CD)

Vertical Angle	0°	90°	180°	270°
0°	1011	1011	1011	1011
10°	992	1531	992	752
20°	914	1889	919	637
25°	863	1786	869	609
30°	803	1398	812	583
40°	666	701	675	526
50°	500	441	512	443
60°	335	311	343	336
70°	187	184	192	214
80°	67	68	71	88
90°	0	0	0	0

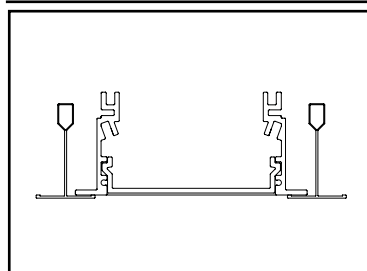
LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
25°C	84.29%	131,000

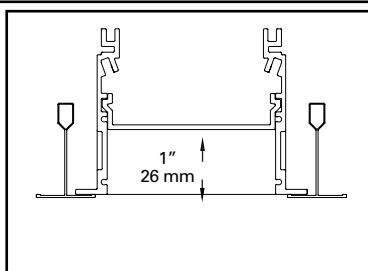
Mounting Information - Refer to installation instructions for detailed mounting information



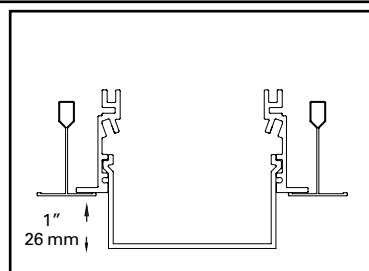
Lens Information - Lens Details



Satin Flush Diffuser
Asymmetric Flush Diffuser



Regressed Satin Diffuser



Satin Drop Down Diffuser

INTEGRATED SENSOR DETAILS AND PLACEMENT¹³

		Sensor Series		Occupancy Technology		Sensing Technology		Coverage Pattern	
4ft Individual		SV	Integrated Sensor for Local Control	P	Passive Infrared	D	Dimming Daylight Harvesting (Closed Loop)	1	~144 ft ²
8ft Individual		LWI	Lumawatt Pro Wireless Integral						
12ft Individual									

NOTES

- Additional lower light levels available. Please consult factory for specific details.
- Not all ceiling types are shown; consult factory for specific ceiling types not listed.
- All lengths are nominal. Refer to submittal drawings for actual sizes.
- Not all dimming options available for every length; please consult factory for specific details.
- For configurable runs specify length to nearest foot. Standard runs ship in 12ft increments. Ensure to specify 8ft increments if 12ft are too large to receive. Additional charges may apply; please consult factory for details.
- 347V is achieved using remote transformer.
- FifthLight DALI is achieved using digital analog converter.
- Battery pack options are not available in every length; please consult factory for specific details. Battery pack is remote installation only.
- For all options; consult factory for specific requirements.
- Not available with 347V circuit.
- Asymmetric lens is not available as standard product on regressed housing RDR.
- Standard product is configured with snap-in lens end caps at the beginning and end of a run or individual fixture. End caps are provided for ease of installation and removal of the lens and eliminate light leak from the end of the fixture when flush satin lens is selected. Please contact factory if lens end-caps are not desired as alternate configurations are available.
- Integrated LumaWatt Pro Sensor available as a PDR in 4ft, 8ft, and 12ft configurations. Continuous runs and alternate lengths are also available. Please consult factory for details. One sensor for every 8ft of fixture length. Standard configurations include Universal voltage, single circuit and 'DD' driver selection. Not available with regressed housing or emergency options.