

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.

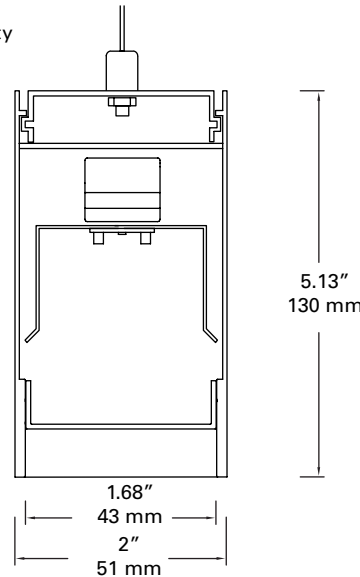
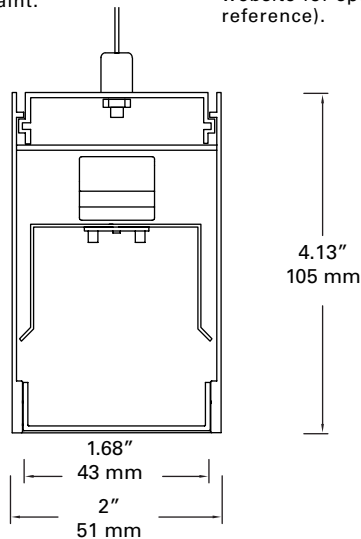
Mounting

Suspended.

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

Warranty

Five year warranty.



Define 2

Pendant

LED

Direct

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

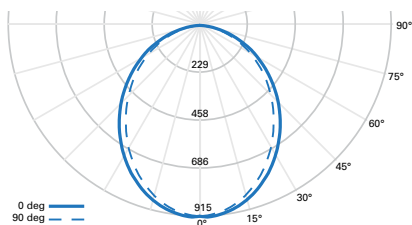


ORDERING INFORMATION

Sample Number: S122DP-235-SC48-ETG0048-1D-UDD-1-W

SERIES	LIGHT DISTRIBUTION	LIGHT LEVEL ¹	COLOR TEMP	MOUNTING CABLE LENGTH	CEILING TYPE ²	LENGTH ³	»
S122 = Define 2	DP = Direct Pendant RDP = Regressed Direct Pendant	-LO = Light Level LO 1580 Lms @ 28W 395 Lumens/ft @ 5W -1 = Light Level 1 2219 Lms @ 28W 555 Lumens/ft @ 7W -2 = Light Level 2 3157 Lms @ 43W 789 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: S122DP-135-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 2219 Lms

WATTS: 28 W

LPW: 79 LPW

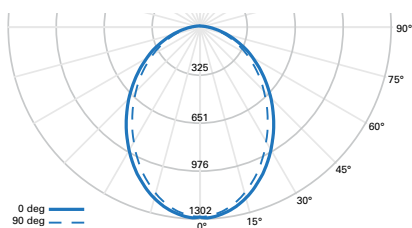
TEST NUMBER: P33909

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	672	30
0°-40°	1071	48
0°-60°	1802	81
0°-90°	2219	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	12227	11566	11064
55°	11277	10602	10068
65°	10344	9504	8855
75°	8725	7853	7292
85°	6108	5367	4812



FILE NAME: S122DP-235-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 3151 Lms

WATTS: 45 W

LPW: 70 LPW

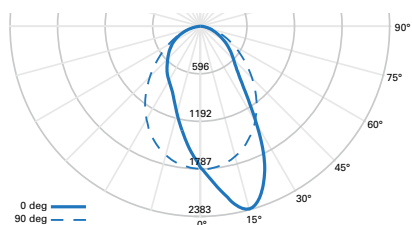
TEST NUMBER: P33922

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	952	30
0°-40°	1517	48
0°-60°	2556	81
0°-90°	3151	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	17337	16402	15786
55°	16030	15074	14343
65°	14542	13550	12710
75°	12278	11218	10408
85°	8514	7588	7218



FILE NAME: S122DP-235-X-X0048-1D-UDD-3-W

CCT: 3500K

LUMENS: 3707 Lms

WATTS: 42.8 W

LPW: 86.6 LPW

TEST NUMBER: G2-1612-022-4

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1343	36.2
0°-40°	2052	55.3
0°-60°	3165	85.4
0°-90°	3707	100.0

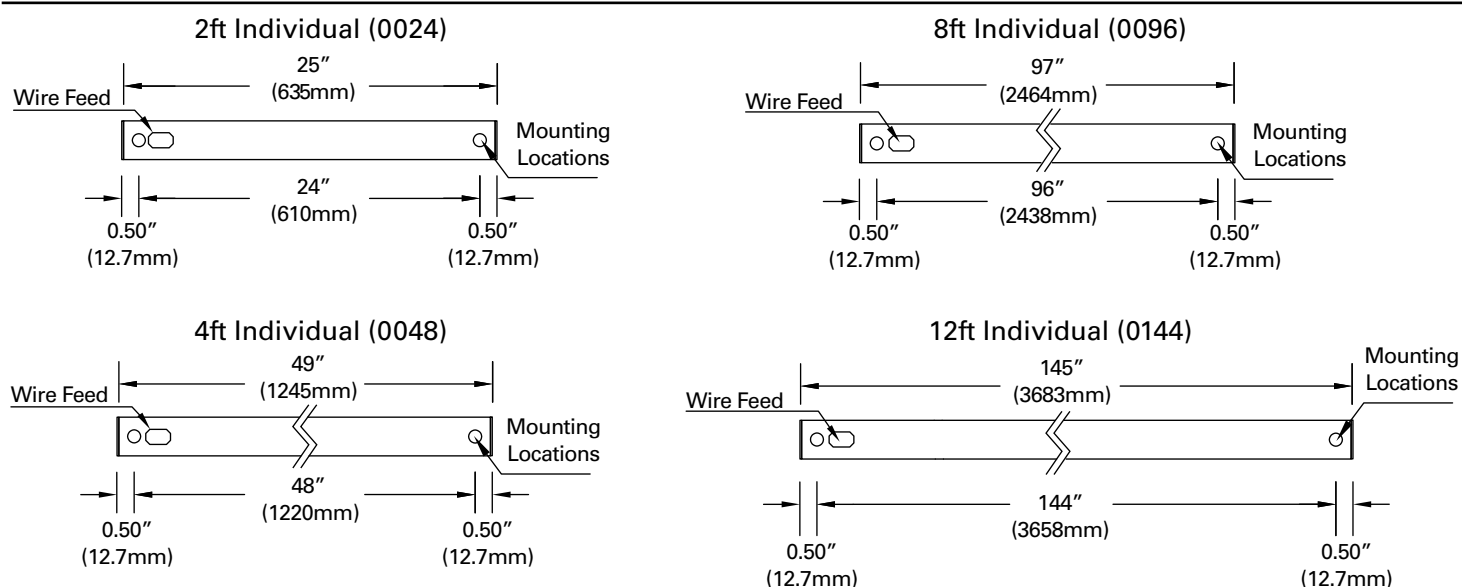
CANDELA DISTRIBUTION (CD)

Vertical Angle	0°	90°	180°	270°
0°	1782	1782	1782	1782
10°	1757	2243	1746	1334
20°	1612	2239	1596	978
25°	1507	1914	1490	866
30°	1377	1405	1358	793
40°	1079	713	1059	654
50°	762	498	745	520
60°	487	325	472	390
70°	267	182	253	236
80°	96	71	85	87
90°	0	0	0	0

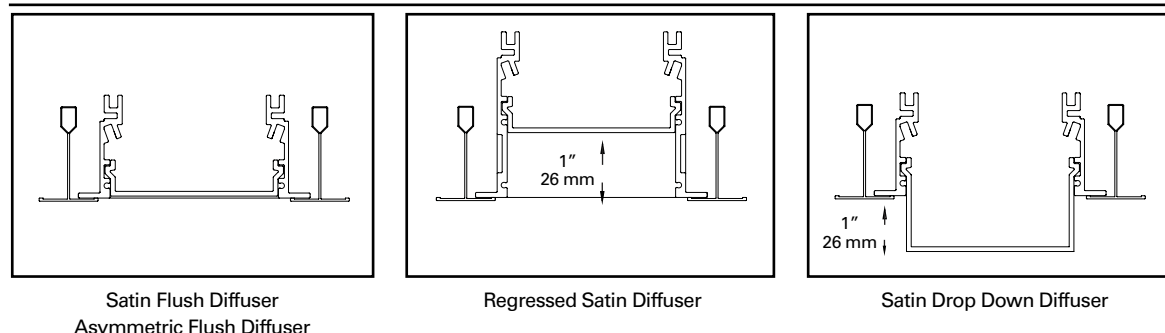
LUMEN MAINTENANCE

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



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.