NEO-RAY

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.
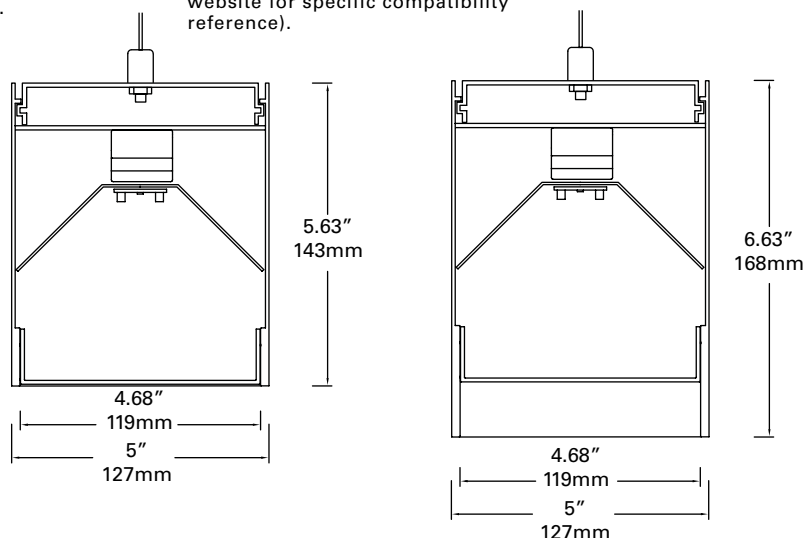
Mounting
Suspended.

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

Warranty
Five year warranty.

Define 5

Pendant

LED

Direct

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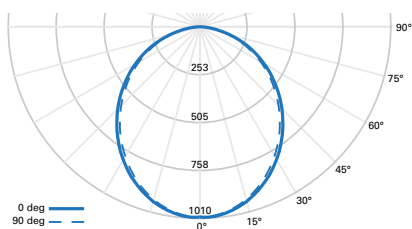RoHS Compliant
Lumawatt Pro Wireless

powered by
fifthlight technology

5.63"
143mm

4.68"
119mm

5"
127mm

6.63"
168mm

4.68"
119mm

5"
127mm

ORDERING INFORMATION

Sample Number: S125DP-235-SC48-ETG0048-1D-UDD-1-W

SERIES	LIGHT DISTRIBUTION	LIGHT LEVEL[1]	COLOR TEMP	MOUNTING CABLE LENGTH	CEILING TYPE[2]	LENGTH[3]
S125 = Define 5	DP = Direct Pendant RDP = Regressed Direct Pendant	-LO = Light Level LO 1800 Lms @ 28W 450 Lumens/ft @ 5W -1 = Light Level 1 2611 Lms @ 28W 652 Lumens/ft @ 7W -2 = Light Level 2 3936 Lms @ 43W 994 Lumens/ft @ 10.7 W	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% 0-10 V 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	SVPD1 = 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

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Notes:
* See page 3 for specific notes

PS524029EN
2017-02-22

NEO-RAY

FILE NAME: S125DP-135-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 2611 Lms

WATTS: 28 W

LPW: 93 LPW

TEST NUMBER: P33918

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	757	29
0°-40°	1219	46
0°-60°	2092	80
0°-90°	2610	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	5612	5484	5375
55°	5276	4141	5017
65°	4870	4687	4534
75°	4113	3939	3839
85°	2739	2813	2813
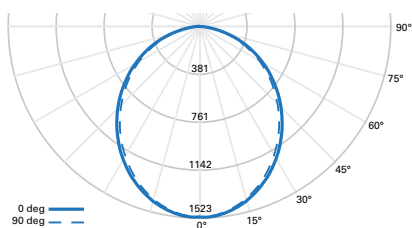
FILE NAME: S125DP-235-X-X0048-1D-UDD-1-W

CCT: 3500K

LUMENS: 3936 Lms

WATTS: 44 W

LPW: 90 LPW

TEST NUMBER: P33923

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1138	29
0°-40°	1833	46
0°-60°	3149	80
0°-90°	3936	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	8441	8249	8112
55°	7931	7762	7571
65°	7283	7084	6901
75°	6257	6033	5883
85°	4294	4442	4516
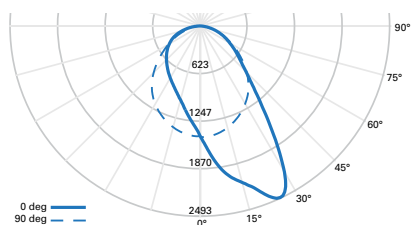
FILE NAME: S125DP-235-X-X0048-1D-UDD-3-W

CCT: 3500K

LUMENS: 3938 Lms

WATTS: 38 W

LPW: 103.6 LPW

TEST NUMBER: G2-1612-022-3

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	1234	31.3
0°-40°	2006	50.9
0°-60°	3267	83.0
0°-90°	3938	100.0

CANDELA DISTRIBUTION (CD)

Vertical Angle	0°	90°	180°	270°
0°	1449	1449	1449	1449
10°	1430	1973	1420	1121
20°	1332	2321	1325	917
25°	1264	2493	1259	846
30°	1185	2221	1181	787
40°	990	1139	986	677
50°	740	682	728	575
60°	490	454	478	466
70°	281	275	263	332
80°	104	275	93	151
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

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Mounting Information - Refer to installation instructions for detailed mounting information

2ft Individual (0024)

Wire Feed

25″ (635mm)

Mounting Locations

24″ (610mm)

0.50″ (12.7mm) — 0.50″ (12.7mm)

8ft Individual (0096)

Wire Feed

97″ (2464mm)

Mounting Locations

96″ (2438mm)

0.50″ (12.7mm) — 0.50″ (12.7mm)

4ft Individual (0048)

Wire Feed

49″ (1245mm)

Mounting Locations

48″ (1220mm)

0.50″ (12.7mm) — 0.50″ (12.7mm)

12ft Individual (0144)

Wire Feed

Mounting Locations

145″ (3683mm)

144″ (3658mm)

0.50″ (12.7mm) — 0.50″ (12.7mm)
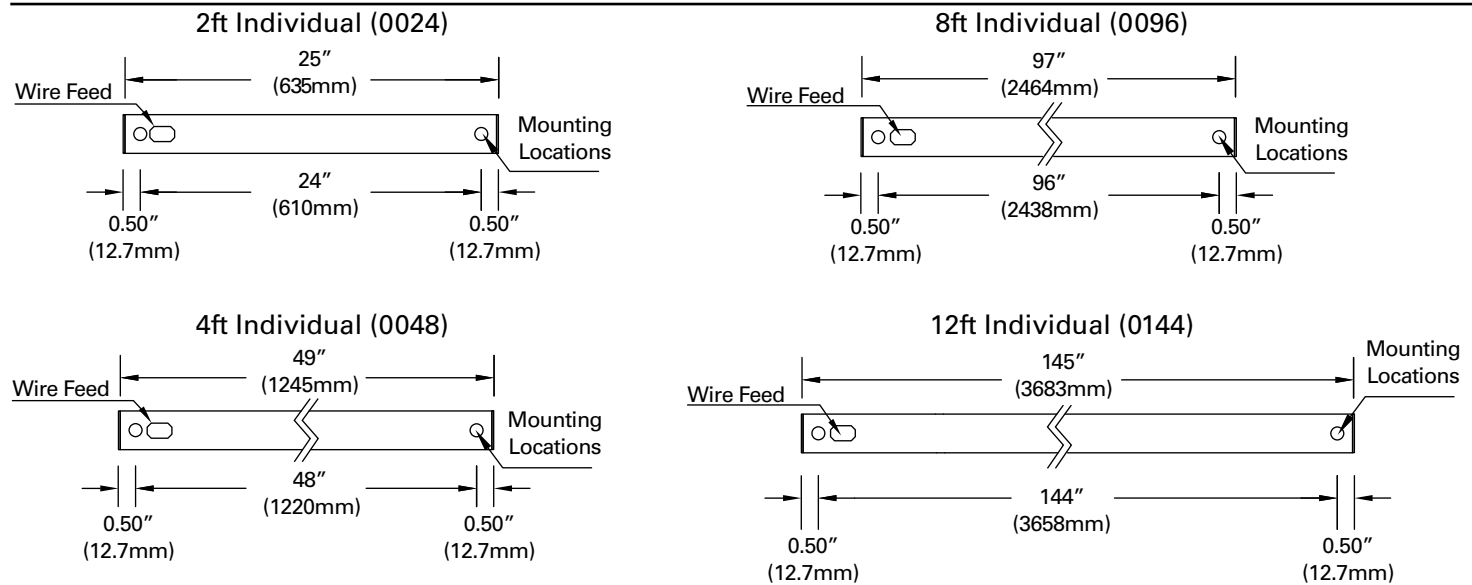
Lens Information - Lens Details

Satin Flush Diffuser
Asymmetric Flush Diffuser

Regressed Satin Diffuser — 1″ 26 mm

Satin Drop Down Diffuser — 1″ 26 mm
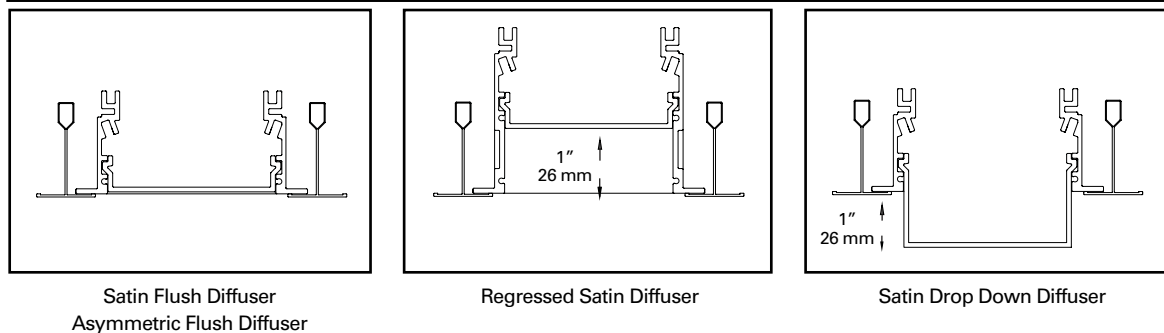
INTEGRATED SENSOR DETAILS AND PLACEMENT[13]

4ft Individual

8ft Individual

12ft Individual

Sensor Series		Occupancy Technology		Sensing Technology		Coverage Pattern	
SV	Integrated Sensor for Local Control	P	Passive Infrared	D	Dimming Daylight Harvesting (Closed Loop)	1	~144 ft²
LWI	Lumawatt Pro Wireless Integral						

NOTES

1. Additional lower light levels available. Please consult factory for specific details.
2. Not all ceiling types are shown; consult factory for specific ceiling types not listed.
3. All lengths are nominal. Refer to submittal drawings for actual sizes.
4. Not all dimming options available for every length; please consult factory for specific details.
5. 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 recieve. Additional charges may apply; please consult factory for details.
6. 347V is achieved using remote transformer.
7. FifthLight DALI is achieved using digital analog converter.
8. Battery pack options are not available in every length; please consult factory for specific details. Battery pack is remote installation only.
9. For all options; consult factory for specific requirements.
10. Not available with 347V circuit.
11. Asymmetric lens is not available as standard product on regressed housing RDR.
12. 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.
13. 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.

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