

NOTE: THIS VERSION OF THE DEFINE SERIES HAS BEEN REPLACED WITH OUR SECOND GENERATION PRODUCT

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 Cooper Lighting Solutions' 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.



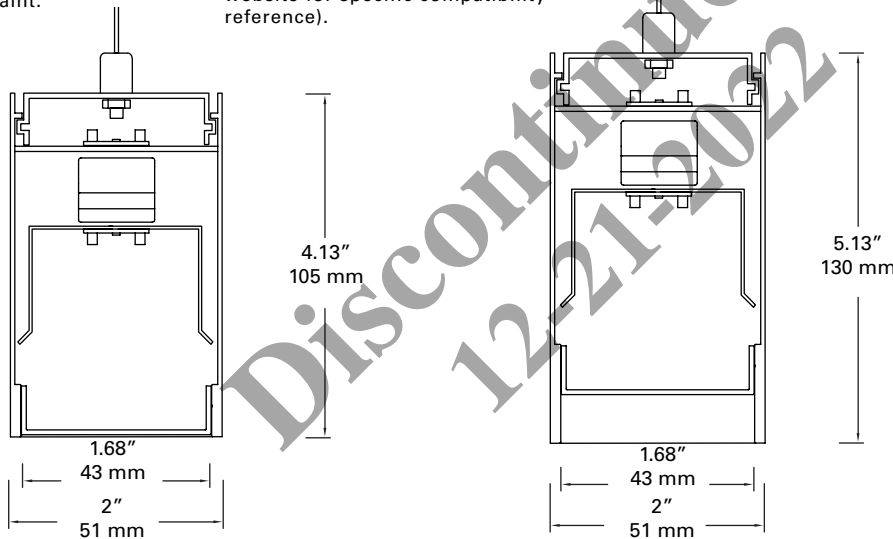
Define 2

Pendant

LED

Direct / Indirect

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



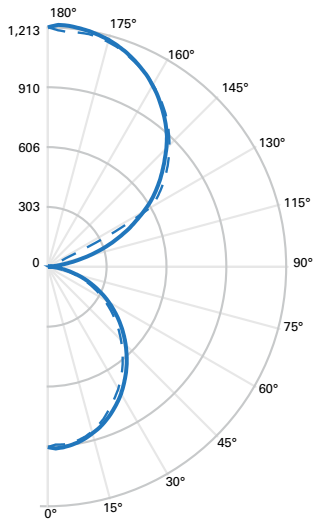
ORDERING INFORMATION

Sample Number: S122DIP-U1-235-SC48-ETG0048-1D-UDD-1-5-W

| SERIES | LIGHT DISTRIBUTION | LIGHT LEVEL UP ¹ | LIGHT LEVEL DOWN ¹ | COLOR TEMP | MOUNTING CABLE LENGTH | CEILING TYPE ² | LENGTH ³ |
|--|--|---|---|--|--|---|--|
| S122 = Define 2 | DIP = Direct / Indirect Pendant RDIP = Regressed Direct / Indirect Pendant | -ULO = Light Level ULO 437 Lm/Ft* -U1 = Light Level U1 851 Lm/Ft* -U2 = Light Level U2 1225 Lm/Ft* -UC = Custom Lm/Ft See page 2 for lumen output *Tested with no lens up | -LO = Light Level LO 299 Lm/Ft* -1 = Light Level 1 582 Lm/Ft* -2 = Light Level 2 838 Lm/Ft* -LC = Custom Lm/Ft See page 2 for lumen output *Tested with satin lens down | 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 = Gypsum board -ST = Structure | 0024 = 2' Individual ⁴ 0048 = 4' Individual 0072 = 6' Individual 0096 = 8' Individual 0144 = 12' Individual XXXX = Configurable Run ⁵ |
| CIRCUITING | CIRCUIT TYPE | VOLTAGE | LED DRIVER | SHIELDING DOWN | SHIELDING UP | COLOR | OPTIONS ⁹ |
| -1 = Single Circuit -2 = Dual Circuit | D = Dimming (std) C = Non-Dimming B = Battery Pack ⁸ E = Emergency G = Bodine GTD | -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 | -1 = Satin White Diffuser -3 = Asymmetric Flush -4 = Satin Drop Diffuser | -NA = No Lens (standard) -5 = Satin White Diffuser | -W = Matte White -S = Silver -B = Black -C = Custom Color | SVPD1 = Integrated Sensor ¹³ SWPD1 = WaveLinX Wireless Integral Sensor ³ LWIPD1 = Lumawatt Pro Wireless Integral Sensor ¹³ -90 = 90-CRI (Lower Lumens) -R = GLR Fast Fusing -F = GMR Slow Fusing |

Notes:
* See page 4 for specific notes.

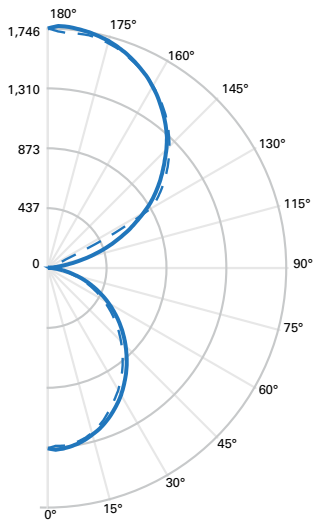
Photometric Data - All data certified to LM-79 standards in a NAVLAB approved testing facility



Filename: S122DIP-U1-135-SC48-SR0048-1D-UDD-1-NA-W
 Test Number: P189501
 Lumens: 5731.6 Lms
 Watts: 52 W
 LPW: 110.2 Lm/W
 CCT: 3500K

| ZONAL LUMEN STUDY | | |
|-------------------|--------|-----------|
| Zone | Lumens | % Fixture |
| 0-30 | 684 | 11.9 |
| 0-40 | 1100 | 19.2 |
| 0-60 | 1880 | 32.8 |
| 0-90 | 2330 | 40.6 |
| 90-180 | 3402 | 59.4 |

| LUMINANCE DATA (cd / sq.m) | | | |
|----------------------------|-------|--------|--------|
| Angle | 0-Deg | 45-Deg | 90-Deg |
| 45 | 12336 | 3863 | 12226 |
| 55 | 11529 | 2767 | 11377 |
| 65 | 10528 | 1804 | 10269 |
| 75 | 8830 | 923 | 8574 |
| 85 | 5807 | 211 | 5553 |



Filename: S122DIP-U2-235-SC48-SR0048-1D-UDD-1-NA-W
 Test Number: P27986
 Lumens: 8252 Lms
 Watts: 80.3 W
 LPW: 102.8 Lm/W
 CCT: 3500K

| ZONAL LUMEN STUDY | | |
|-------------------|--------|-----------|
| Zone | Lumens | % Fixture |
| 0-30 | 985 | 11.9 |
| 0-40 | 1583 | 19.2 |
| 0-60 | 2706 | 32.8 |
| 0-90 | 3354 | 40.6 |
| 90-180 | 4898 | 59.4 |

| LUMINANCE DATA (cd / sq.m) | | | |
|----------------------------|-------|--------|--------|
| Angle | 0-Deg | 45-Deg | 90-Deg |
| 45 | 17760 | 5562 | 17603 |
| 55 | 16600 | 3983 | 16380 |
| 65 | 15157 | 2597 | 14783 |
| 75 | 12711 | 1328 | 12344 |
| 85 | 8348 | 304 | 7985 |

Discontinued
12-21-2019

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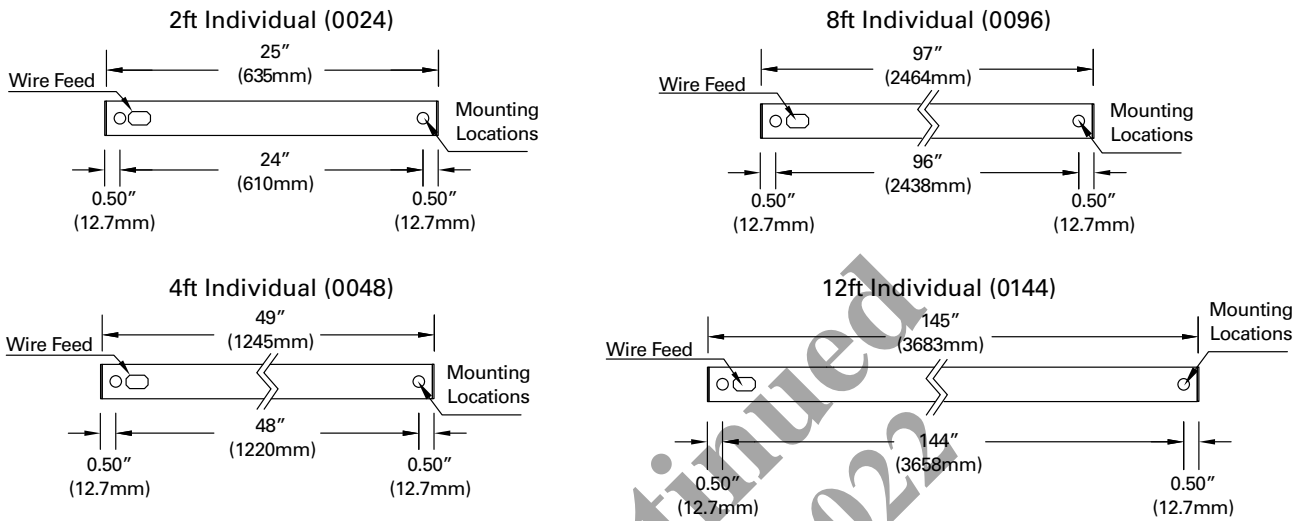
Neo-Ray

LIGHT OUTPUT, 3500K, ≤85CRI Typical

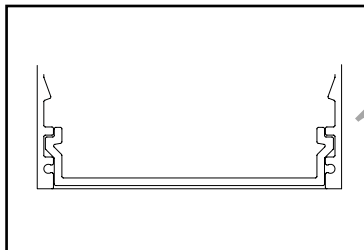
| Light Level Up: ULO | | | | | | | Light Level Up: U1 | | | | | | | Light Level Up: U2 | | | | | | |
|---------------------|----------|-------|-------|------------|----------|-------------|--------------------|----------|-------|-------|------------|----------|-------------|--------------------|----------|-------|-------|------------|----------|-------------|
| | Lm Total | % Dn | % Up | Lm/ft Down | Lm/ft Up | Total Watts | | Lm Total | % Dn | % Up | Lm/ft Down | Lm/ft Up | Total Watts | | Lm Total | % Dn | % Up | Lm/ft Down | Lm/ft Up | Total Watts |
| Light Level 0 | 2495 | 40.6% | 59.4% | 299 | 437 | 26.9 | Light Level 0 | 4600 | 26.0% | 74.0% | 299 | 851 | 38.8 | Light Level 0 | 6097 | 19.6% | 80.4% | 299 | 1225 | 52.2 |
| Light Level 1 | 4076 | 57.1% | 42.9% | 582 | 437 | 40.1 | Light Level 1 | 5732 | 40.6% | 59.4% | 582 | 851 | 52.0 | Light Level 1 | 7229 | 32.2% | 67.8% | 582 | 1225 | 65.5 |
| Light Level 2 | 5100 | 65.7% | 34.3% | 838 | 437 | 55.2 | Light Level 2 | 6755 | 49.6% | 50.4% | 838 | 851 | 67.0 | Light Level 2 | 8252 | 40.6% | 59.4% | 838 | 1225 | 80.5 |

Correlation based on 4' luminaire S122DIP-U2-235-SC48-ST0048-1D-UDD-1-NA-W, Report: P27986

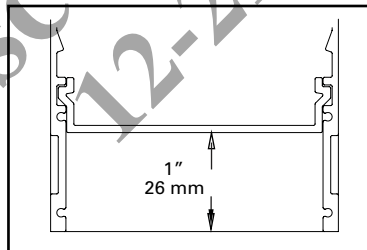
Mounting Information - Refer to installation instructions for detailed mounting information



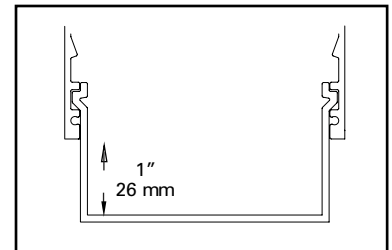
Lens Information - Direct (Downward) Lens Details



1 - Flush Satin Diffuser
Asymmetric Flush Diffuser

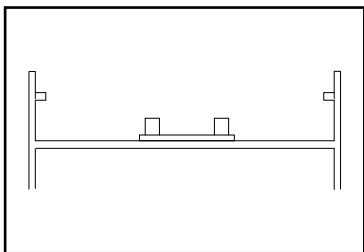


Regressed Satin Diffuser

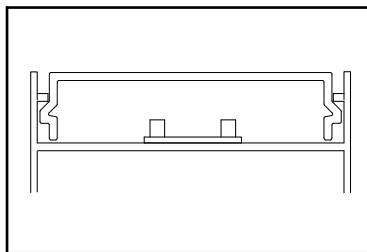


4 - Satin Drop Down Diffuser

Lens Information - Indirect (Upward) Lens Details



NA - No Diffuser (standard)






5 - Flush Satin Diffuser

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Neo-Ray

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

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 receive. 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 WaveLinx and LumaWatt Pro Sensors configured for one sensor per fixture. For proper sensor coverage, select 8ft maximum fixture section during product configuration. Please consult factory for details. Standard configurations include Universal voltage, single circuit and 'DD' driver selection. Not available with regressed housing or emergency options. Not available with dual-circuit as standard product - contact factory for options.

Discontinued
12-21-2022