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. 1”, 2”, 3”, 4” and 5” luminaire widths are all specification to the nearest inch in length and can be fitted with standard flush, regress and drop lensing. In wall corners and wall to ceiling transitions can all be ordered as standard components and blend seamlessly into the most complex architectural spaces. Custom transitions are also available. Robust construction and adaptable, modular components make installation simple and ensure laser straight runs.

### 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. End brackets include gasketed closure to 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 60,000 hours at 86% 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).

### Ordering Information

Sample Number: S123DIW-LO-235-0048-1D-UDD-1-NA-W

**Series**
- Define 3

**Light Distribution**
- DIW = Direct / Indirect Wall
- RDWD = Regressed Direct / Indirect Wall

**Light Level Up**
- ULO = Light Level LO
- U1 = Light Level 1
- U2 = Light Level 2

**Light Level Down**
- LLO = Light Level LO
- L1 = Light Level 1
- L2 = Light Level 2

**Color Temp**
- 27 = 2700K
- 30 = 3000K
- 35 = 3500K
- 40 = 4000K

**Length**
- 0048 = 4′ Individual
- 0096 = 8′ Individual
- 0144 = 12′ Individual
- XXXX = Configurable Run

**Notes:**
- See page 2 for specific notes

---

Define 3

**Wall**

**LED**

**CERTIFICATION DATA**
cULus - 1598
Damp Location Listed
LM79/LM80 Compliant
RoHS Compliant

---

**Construction**
NEO-RAY

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**Notes:**
- See page 2 for specific notes
Photometric Data - All data certified to LM-79 standards in a NAVLAB approved testing facility

Filename: S123DIP-U1-135-SC48-SR0048-1D-UDD-1-NA-W
Test Number: P27888
Lumens: 6183.0 Lms
Watts: 52.0 W
LPW: 118.9 Lm/W
CCT: 3500K

ZONAL LUMEN STUDY

<table>
<thead>
<tr>
<th>Zone</th>
<th>Lumens</th>
<th>% Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>768</td>
<td>12.4</td>
</tr>
<tr>
<td>0-40</td>
<td>1236</td>
<td>20.0</td>
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<tr>
<td>0-60</td>
<td>2118</td>
<td>34.3</td>
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<tr>
<td>0-90</td>
<td>2631</td>
<td>42.6</td>
</tr>
<tr>
<td>90-180</td>
<td>3552</td>
<td>57.4</td>
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LUMINANCE DATA (cd / sq.m)

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<th>0-Deg</th>
<th>45-Deg</th>
<th>90-Deg</th>
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<tr>
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<td>75</td>
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<td>926</td>
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<tr>
<td>85</td>
<td>4355</td>
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ZONAL LUMEN STUDY

<table>
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<tr>
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<tr>
<td>0-40</td>
<td>1774</td>
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<td>3064</td>
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<td>0-90</td>
<td>3771</td>
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<tr>
<td>90-180</td>
<td>5131</td>
<td>57.6</td>
</tr>
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</table>

LUMINANCE DATA (cd / sq.m)

<table>
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<tr>
<th>Angle</th>
<th>0-Deg</th>
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<tbody>
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<td>12929</td>
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<tr>
<td>85</td>
<td>6170</td>
<td>333</td>
<td>5444</td>
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</tbody>
</table>

LIGHT OUTPUT, 3500K, ≥85CRI Typical

<table>
<thead>
<tr>
<th>Light Level Up: ULO</th>
<th>Light Level Up: U1</th>
<th>Light Level Up: U2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lm</td>
<td>% Dn</td>
<td>% Up</td>
</tr>
<tr>
<td>---</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>0</td>
<td>3177</td>
<td>42.5%</td>
</tr>
<tr>
<td>1</td>
<td>4461</td>
<td>59.0%</td>
</tr>
<tr>
<td>2</td>
<td>5601</td>
<td>67.4%</td>
</tr>
</tbody>
</table>

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. Actual sizes are one inch shorter than nominal to allow easy in-grid installation. For Gypsum or Flangeless installations add 1 inch to overall fixture length. 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 inch. 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.
Mounting Information - Refer to installation instructions for detailed mounting information

2ft Individual (0024)

Mounting Brackets

4.688" (119mm)

15.62" (397mm)

4.688" (119mm)

Mounting Information - Direct (Downward) Lens Details

1 - Flush Satin Lens

26 mm

Regressed Satin Lens

4 - Satin Drop Down Lens

87.62" (2226mm)

4.688" (119mm)

8ft Individual (0096)

Mounting Brackets

4.688" (119mm)

2464mm)

4.688" (119mm)

12ft Individual (0144)

Mounting Brackets

4.688" (119mm)

135.62" (3445mm)

4.688" (119mm)

Mounting Bracket

0.75" (19mm)

6.5" (165mm)

3" (76mm)

J Box

3.31" (84mm)

2" (51mm)

D 1.25" (32mm)

D 0.375" (9.5mm)

Depth 0.5" (13mm)

Mounting Bracket

145" (3683mm)

39.62" (1006mm)

4.688" (119mm)

49" (1245mm)

4.688" (119mm)

4ft Individual (0048)

Mounting Brackets

4.688" (119mm)

1006mm)

4.688" (119mm)

5 - Flush Satin Lens

Mounting Information - Indirect (Upward) Lens Details

NA - No Lens (standard)

1"  26 mm

5 - Flush Satin Lens

Specifications and dimensions subject to change without notice.