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. 1", 2", 3", 4" and 5" luminaire widths are all specifiable 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.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction
Housing trim 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 closure to prevent moisture and insect ingress.

Finish
Fixture housing trims are high reflectance white using electrostatically applied polyester powder coat paint.

Mounting
Recessed.

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 and IC rated. For Chicago plenum, specify CP in fixture options.

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.
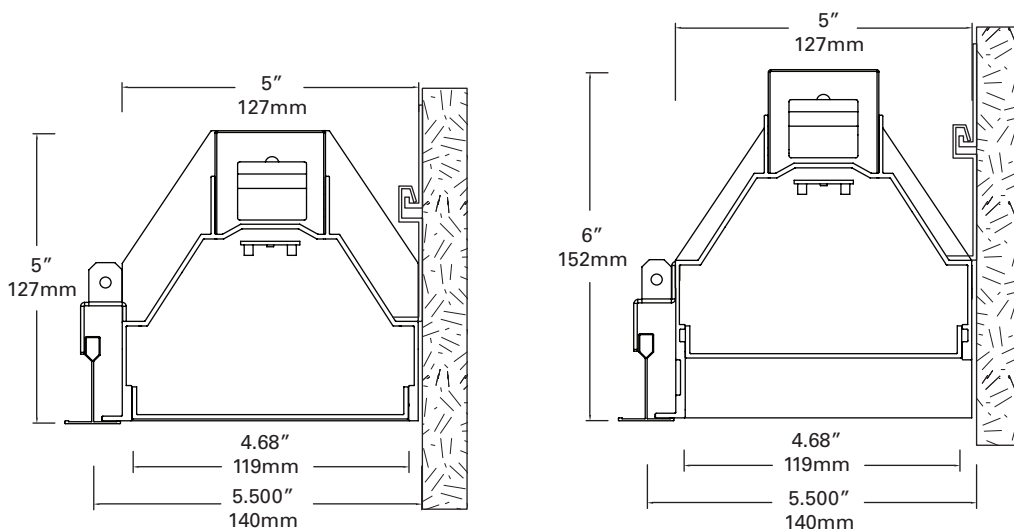
Warranty
Five year warranty.

DEFINE 5

LED

Recessed Perimeter
Direct

cULus – 1598
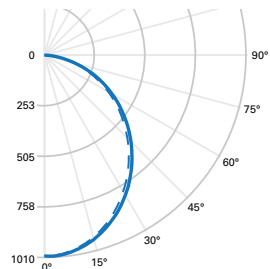Damp Location Listed
LM79/LM80 Compliant
ROHS Compliant

powered by **fifthlight** technology

5.125" (130mm) cut-out for gypsum installation

ORDERING INFORMATION

Sample Number: S125-DRP-2-35-ETG-0048-1-U-DD-1-W

Series	Light Distribution	Light Level[1]	Color Temperature	Ceiling Type[2]	Length[3]
S125 = Define 5 **QS-S125** = Define 5 Quick Ship	**DRP** = Direct Recessed Perimeter **RDRP** = Regressed Direct Recessed Perimeter	**LO** = Light Level LO (1800 Lms @ 20 W) (450 Lumens per ft @ 5 W) **1** = Light Level 1 (2430 Lms @ 28 W) (607 Lumens per ft @ 7 W) **2** = Light Level 2 (3936 Lms @ 43 W) (984 Lumens per ft @ 11 W)	**27** = LED 2700K **30** = LED 3000K **35** = LED 3500K **40** = LED 4000K	**ETG** = 15/16" T-Grid **FTG** = 9/16" T-Grid **STG** = 9/16" Slot T-Grid **ETT** = 15/16" Tegular T-Grid **FTT** = 9/16" Tegular T-Grid **GYP** = Gypsum board **FSR** = "Flangeless" Gypsum Board **FES** = "Finished" Extruded Side	**0024** = 2' Individual[4] **0036** = 3' Individual[4] **0048** = 4' Individual **0072** = 6' Individual **0096** = 8' Individual **0144** = 12' Individual **XXXX** = Configurable Run[5]

Circuiting	Voltage	Remote LED Driver	Emergency Options	Options[9]	Shielding	Color
1 = Single Circuit **2** = Dual Circuit	**1** = 120V **2** = 277V **U** = Universal (120V-277V) **3** = 347V[6]	**ED** = Non-Dimming **DD** = 0-10 Volt Dimming **5L** = DALI Dimming[7]	**B** = Battery Pack[8] **E** = Emergency **T** = Transfer Switch	**CP** = Chicago Plenum **SV** = Integrated Sensor **CR** = Corner	**1** = Satin Flush Diffuser **4** = Satin Drop Diffuser	**W** = Matte White **S** = Silver **B** = Black **C** = Custom Color

F·T·N
Powering Business Worldwide

See page 5 for Technical Notes.
Specifications and dimensions subject to change without notice.
See additional information on the following pages.

TD519010EN
06/16/2016
1 of 5

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

FILE NAME: S125-DR-1-35-ETG-0048-1-U-DD-1-W
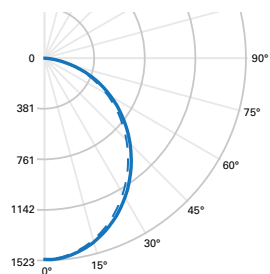
CCT: 3500K

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	4100

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: S125-DR-2-35-ETG-0048-1-U-DD-1-W

CCT: 3500K

LUMENS: 3936 Lms

WATTS: 44 W

LPW: 89 LPW

TEST NUMBER: P33925

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)

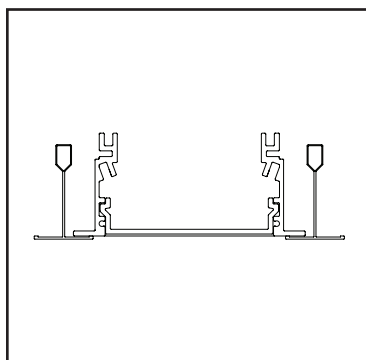| Vertical Angle	0°	45°	90°
45°	8441	8249	8112
55°	7931	7762	7571
65°	7283	7084	6901
75°	6257	6033	5883
85°	4294	4442	4516

MOUNTING

Extruded Trim Flange Details - Refer to submittal drawings for detailed flange information - for additional options consult factory.

| ETG 15/16″ T-Grid | FTG 9/16″ T-Grid | STG Slotted T-Grid | ETT 15/16″ Tegular T-Grid | FTT 9/16″ Tegular T-Grid | GYP Gypsum Board | FSR "Flangeless" Gypsum Board | FES Finished Extruded Side |

Specifications and dimensions subject to change without notice.
See additional information on the following pages.
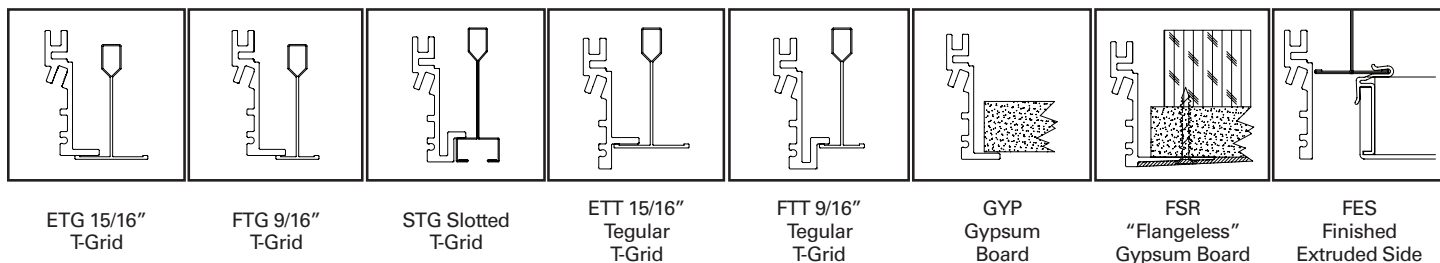
Mounting Information - Refer to installation instructions for detailed mounting information

2ft Individual (0024)

Wire Feed

23″
(584mm)

Mounting Locations

18 5/8″
(473mm)

2.18″
(56mm)

2.18″
(56mm)

8ft Individual (0096)

Wire Feed

95″
(2413mm)

Mounting Locations

90 5/8″
(2302mm)

2.18″
(56mm)

2.18″
(56mm)

4ft Individual (0048)

Wire Feed

47″
(1194mm)

Mounting Locations

42 5/8″
(1083mm)

2.18″
(56mm)

2.18″
(56mm)

12ft Individual (0144)

Wire Feed

143″
(3632mm)

Mounting
Locations

92″
(2337mm)

46 5/8″
(1184mm)

2.18″
(56mm)

2.18″
(56mm)

LENS DETAIL

1″
26 mm

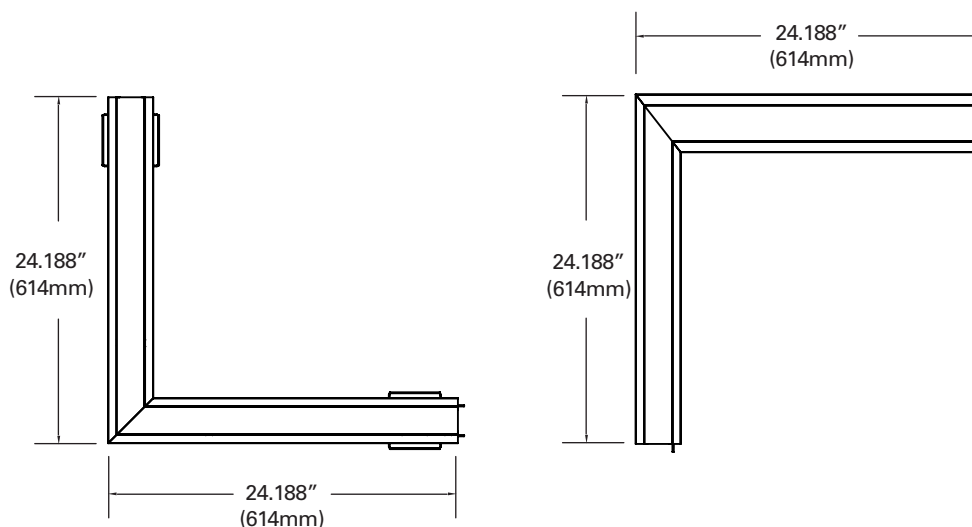Flush Satin Lens

1″
26 mm
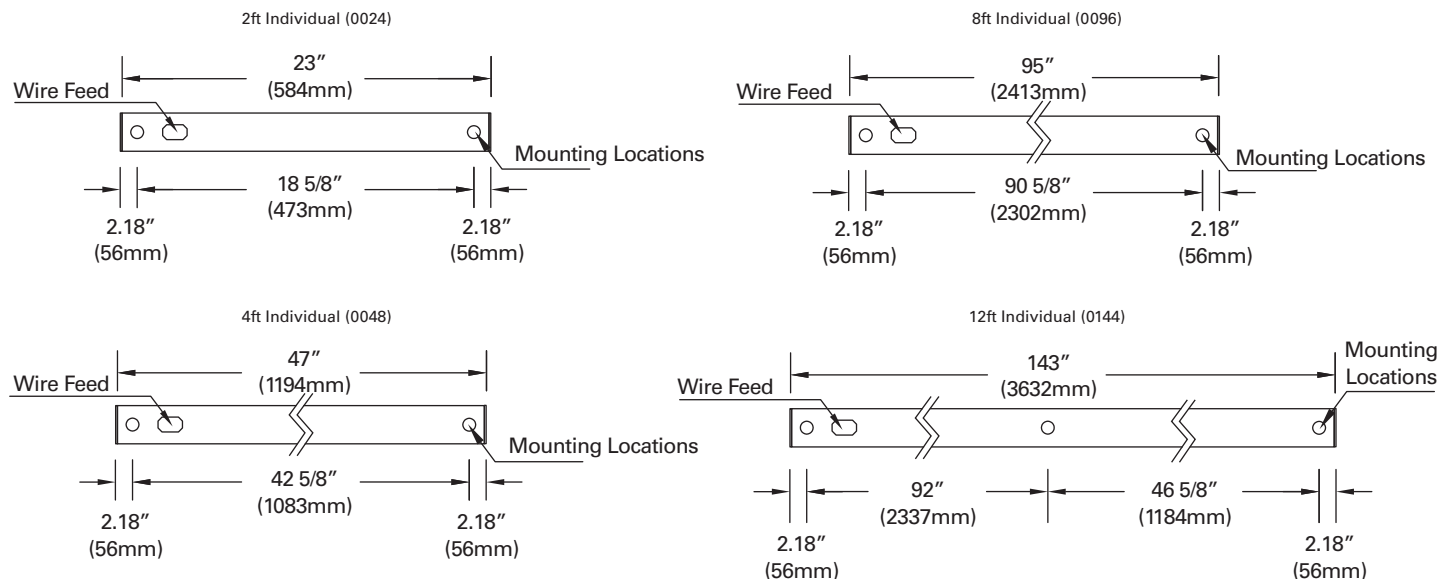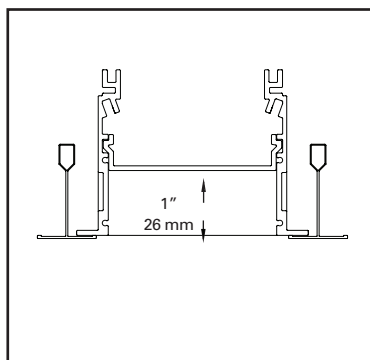
Regressed Satin Lens

1″
26 mm
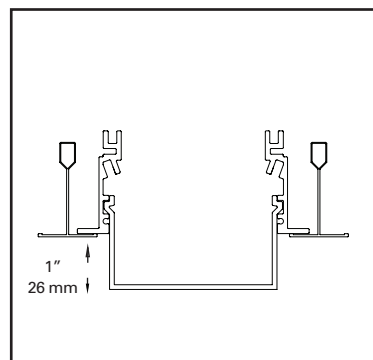
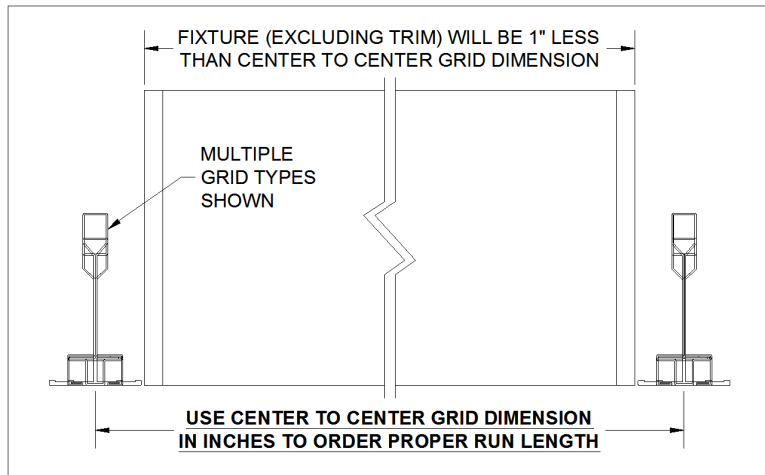Satin Drop Down Lens

CORNER TRANSITIONS

Consult factory for precise corner locations and for ordering.

24.188″
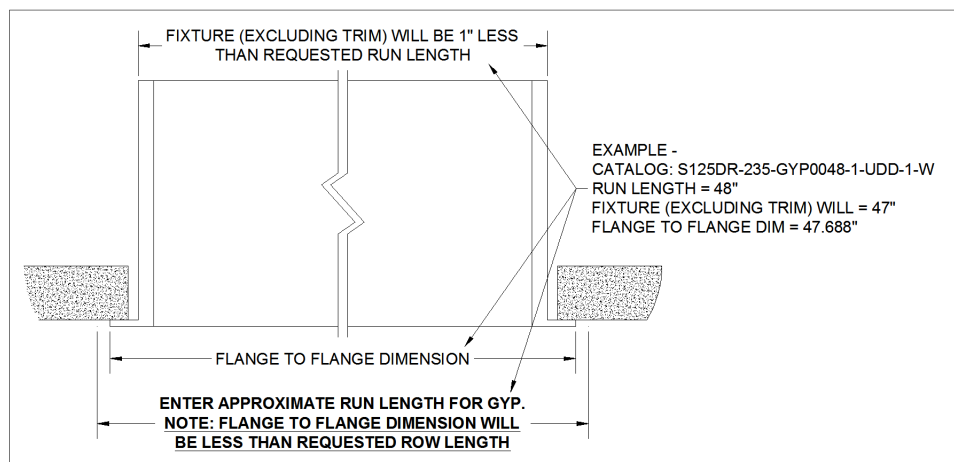(614mm)

24.188″
(614mm)

24.188″
(614mm)

24.188″
(614mm)

24.188″
(614mm)

Specifications and dimensions subject to change without notice.
See additional information on the following pages.

ALL GRID TYPES SHOWN

FIXTURE (EXCLUDING TRIM) WILL BE 1" LESS
THAN CENTER TO CENTER GRID DIMENSION

MULTIPLE
GRID TYPES
SHOWN

**USE CENTER TO CENTER GRID DIMENSION
IN INCHES TO ORDER PROPER RUN LENGTH**

FSR: "FLANGELESS" GYPSUM BOARD

FIXTURE (EXCLUDING TRIM) WILL BE 1" LESS
THAN REQUESTED RUN LENGTH

EXAMPLE -
CATALOG: S125DR-235-FSR0048-1-UDD-1-W
RUN LENGTH = 48"
FIXTURE (EXCLUDING TRIM) WILL = 47"
FLANGE TO FLANGE DIM = 49"

**ENTER APPROXIMATE RUN LENGTH FOR GYP.
NOTE: FLANGE TO FLANGE DIMENSION WILL
BE LARGER THAN REQUESTED ROW LENGTH**

FLANGE TO FLANGE DIMENSION

GYP: GYPSUM BOARD

FIXTURE (EXCLUDING TRIM) WILL BE 1" LESS
THAN REQUESTED RUN LENGTH

EXAMPLE -
CATALOG: S125DR-235-GYP0048-1-UDD-1-W
RUN LENGTH = 48"
FIXTURE (EXCLUDING TRIM) WILL = 47"
FLANGE TO FLANGE DIM = 47.688"

FLANGE TO FLANGE DIMENSION

**ENTER APPROXIMATE RUN LENGTH FOR GYP.
NOTE: FLANGE TO FLANGE DIMENSION WILL
BE LESS THAN REQUESTED ROW LENGTH**

FES: "Finished" Extruded Sides

EXAMPLE -
CATALOG: S125DR-235-FES0048-1-UDD-1-W
RUN LENGTH = 48"
FIXTURE (END TO END) WILL = 47"

FIXTURE (END TO END) WILL BE 1" LESS
THAN REQUESTED RUN LENGTH

ENTER RUN LENGTH

TECHNICAL 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. See "Ceiling Types" for example.
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.