LED COMMERCIAL DOWNLIGHTS

Nothing But LED's Commercial-Grade retrofit downlights are the most innovative and feature rich product of its kind. This new 2023 model offers CCT adjustable 2700K / 3K / 3500K / 4K / 5K and wattage adjustable. The LED Commercial Downlight produces lumens up to 4000Lm, which is perfect for ceilings up to 16ft height. The commercial-Grade retrofit downlight is perfect for retrofit or new Construction.

Product Features

Up to 110 lumens per watt

Wattage Adjustable

CCT adjustable 2700K / 3K / 3500K / 4K / 5K

Available in 4", 6" and 8"

Integral heat sink

• Input Voltage 120-347Vac

• 0-10V Dimming capability

• White Housing

• ETL & ES Listed

• 5 Years Warranty

LED COMMERCIAL DOWNLIGHTS

NOTHING BUT LEDS

SKU #	Model #	Wattage Adj.	Lumens	CCT Adj.	Size	Input Voltage	Dimming	Certifications
1560668	FXF01001-A-A001	9W/13W/18W	2110Lm	2700K / 3K / 3500K / 4K / 5K	4"	120-347Vac	0-10V	ETL & ES
1560644	FXF01002-A-A001	13W/19W/27W	3000Lm	2700K / 3K / 3500K / 4K / 5K	6"	120-347Vac	0-10V	ETL & ES
1560669	FXF01003-A-A001	18W/27W/36W	4000Lm	2700K / 3K / 3500K / 4K / 5K	8"	120-347Vac	0-10V	ETL & ES

SKU #. 1560668 / 4" Specifications

Parameter	Description	Value
General Performance	Model #	FXF01001-A-A001
	Wattage Adjustable	9W / 13W / 18W
	Lumen	2110LM
	Lumen Efficacy	Up to 110LM/W
	Color Temperature	2700K / 3000K / 3500K / 4000K / 5000K
	CRI (Ra)	>80
	Beam Angle	120° Degree
	Diffuser Type	PC Lens
Electrical	Input Voltage	120-347Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimming
	Power Factor	≥0.9
	Driver Surge Protection	N/A
	Flicker Percent	<30%
Physical	Operating Temperature	-20°C to 45°C
	Operating Humidity	N/A
	Storage Temperature	-25°C to 40°C
	Storage Humidity	N/A
	LED Brand	Seoul / Everlight
	LED Type	LED Built-in
	LED QTY	48 Pcs
	Housing	AL
	Housing Color	White
Qualification	IP Rating	Damp Location
	Warranty	5 Years Warranty

LED COMMERCIAL DOWNLIGHTS

NOTHING BUT LEDS

SKU #. 1560644 / 6"   Specifications

Parameter	Description	Value
General Performance	Model #	FXF01002-A-A001
	Wattage Adjustable	13W / 19W / 27W
	Lumen	3000M
	Lumen Efficacy	Up to 110LM/W
	Color Temperature	2700K / 3000K / 3500K / 4000K / 5000K
	CRI (Ra)	>80
	Beam Angle	110° Degree
	Diffuser Type	PC Lens
Electrical	Input Voltage	120-347Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimming
	Power Factor	≥0.9
	Driver Surge Protection	N/A
	Flicker Percent	<30%
Physical	Operating Temperature	-20°C to 40°C
	Operating Humidity	N/A
	Storage Temperature	-25°C to 40°C
	Storage Humidity	N/A
	LED Brand	Seoul / Everlight
	LED Type	LED Built-in
	LED QTY	64 Pcs
	Housing	AL
	Housing Color	White
Qualification	IP Rating	Damp Location
	Warranty	5 Years Warranty

LED COMMERCIAL DOWNLIGHTS

SKU #. 1560669 / 8"   Specifications

Parameter	Description	Value
General Performance	Model #	FXF01003-A-A001
	Wattage Adjustable	18W / 27W / 36W
	Lumen	4000M
	Lumen Efficacy	Up to 110LM/W
	Color Temperature	2700K / 3K / 3500K / 4K / 5K
	CRI (Ra)	>80
	Beam Angle	110° Degree
	Diffuser Type	PC Lens
Electrical	Input Voltage	120-347Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimming
	Power Factor	≥0.9
	Driver Surge Protection	N/A
	Flicker Percent	<30%
Physical	Operating Temperature	-20°C to 45°C
	Operating Humidity	N/A
	Storage Temperature	-25°C to 40°C
	Storage Humidity	N/A
	LED Brand	Seoul / Everlight
	LED Type	LED Built-in
	LED QTY	80 Pcs
	Housing	AL
	Housing Color	White
Qualification	IP Rating	Damp Location
	Warranty	5 Years Warranty

LED COMMERCIAL DOWNLIGHTS

Correlated Color Temperature (CCT)

COOL WHITE

5000K

4000K

3500K

NATURAL WHITE

3000K

2700K

WARM WHITE

Dimensions

25.59"
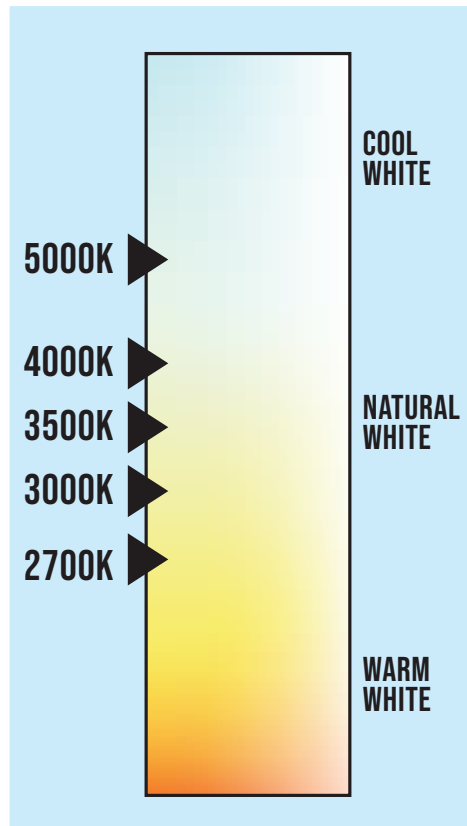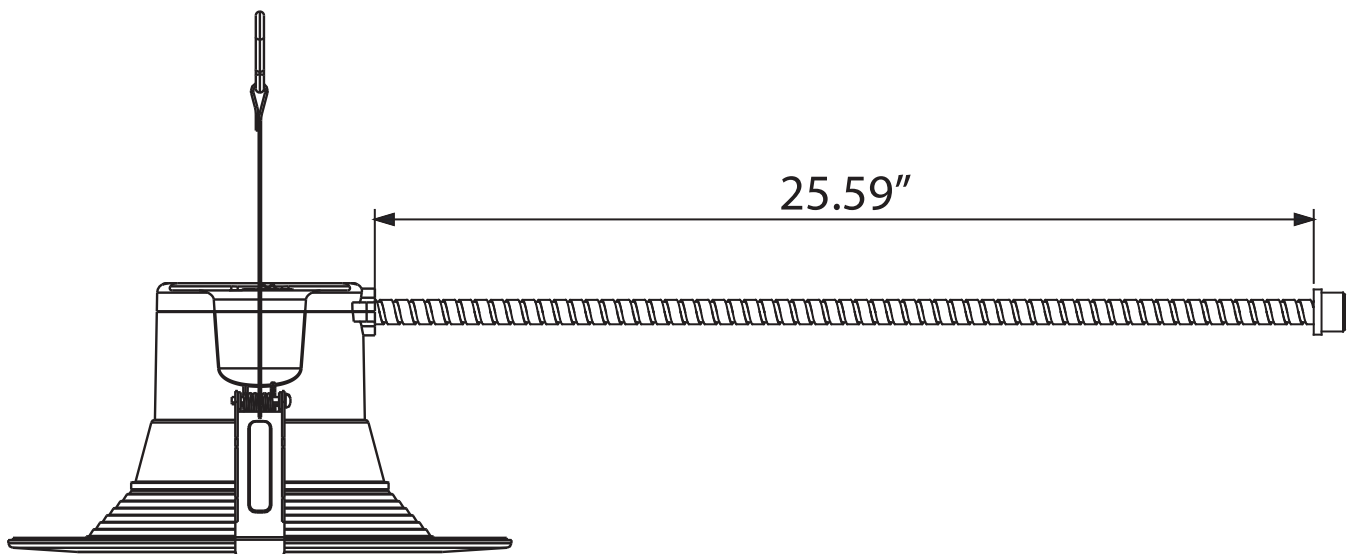
LED COMMERCIAL DOWNLIGHTS

Dimensions

Size: 4"

(4.02")

Dia.(4.33")

Dia. (5.91")

Size: 6"

(4.41")

Dia.(5.91")

Dia.(8.27")

Size: 8"

(4.76")

Dia.(7.48")

Dia.(10.24")
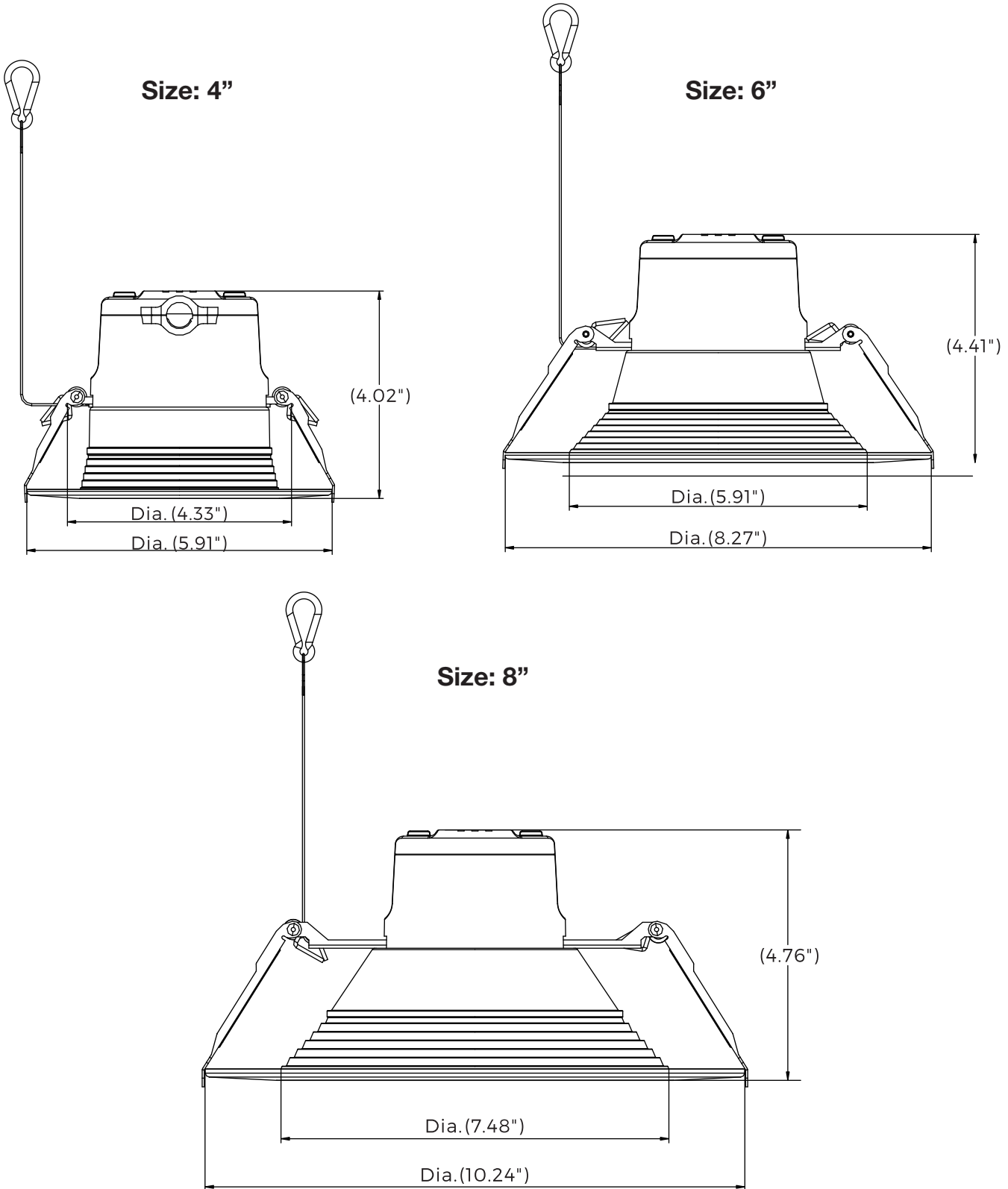
LED COMMERCIAL DOWNLIGHTS

NOTHING BUT LEDS

SKU: 1560668 - 4"   **Photometric Data**

-/+180

-150   150

-120   120

-90   90

0

190

380

570

-60   760   60

UNIT:cd
C0/180,89.6deg
C30/210,89.8deg
C60/240,89.8deg
C90/270,89.7deg

-30   950   30

0

AVERAGE BEAM ANGLE(50%):89.7 DEG
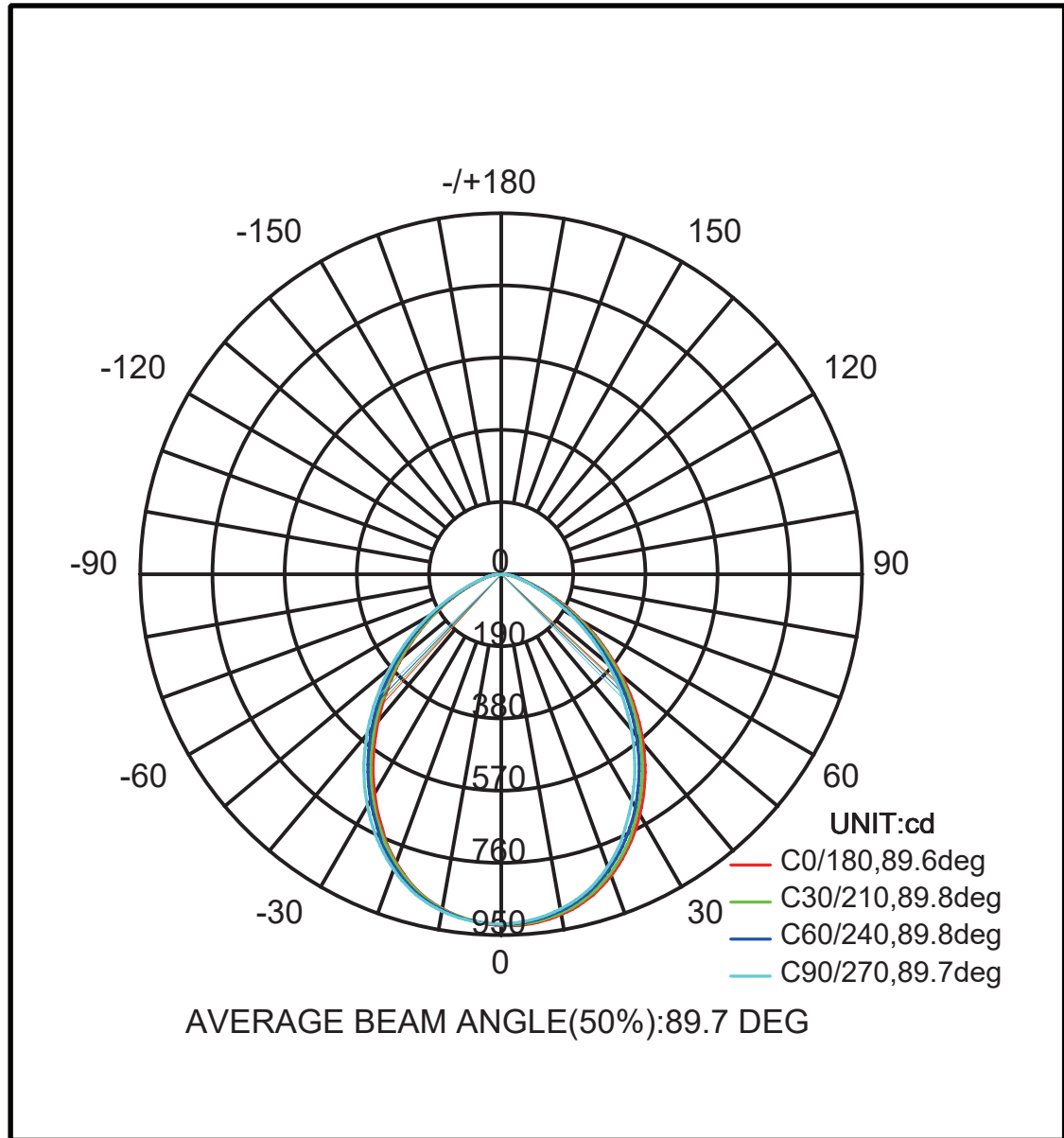
LED COMMERCIAL DOWNLIGHTS

SKU: 1560644 - 6"   **Photometric Data**

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,92.4deg
C90/270,92.4deg

AVERAGE BEAM ANGLE(50%):92.4 DEG

LED COMMERCIAL DOWNLIGHTS

-/+180

-150   150

-120   120

-90   90

0

400

800

1200

1600

2000

0

-60   60

-30   30

UNIT:cd
— C0/180,96.1deg
— C90/270,96.3deg

AVERAGE BEAM ANGLE(50%):96.2 DEG
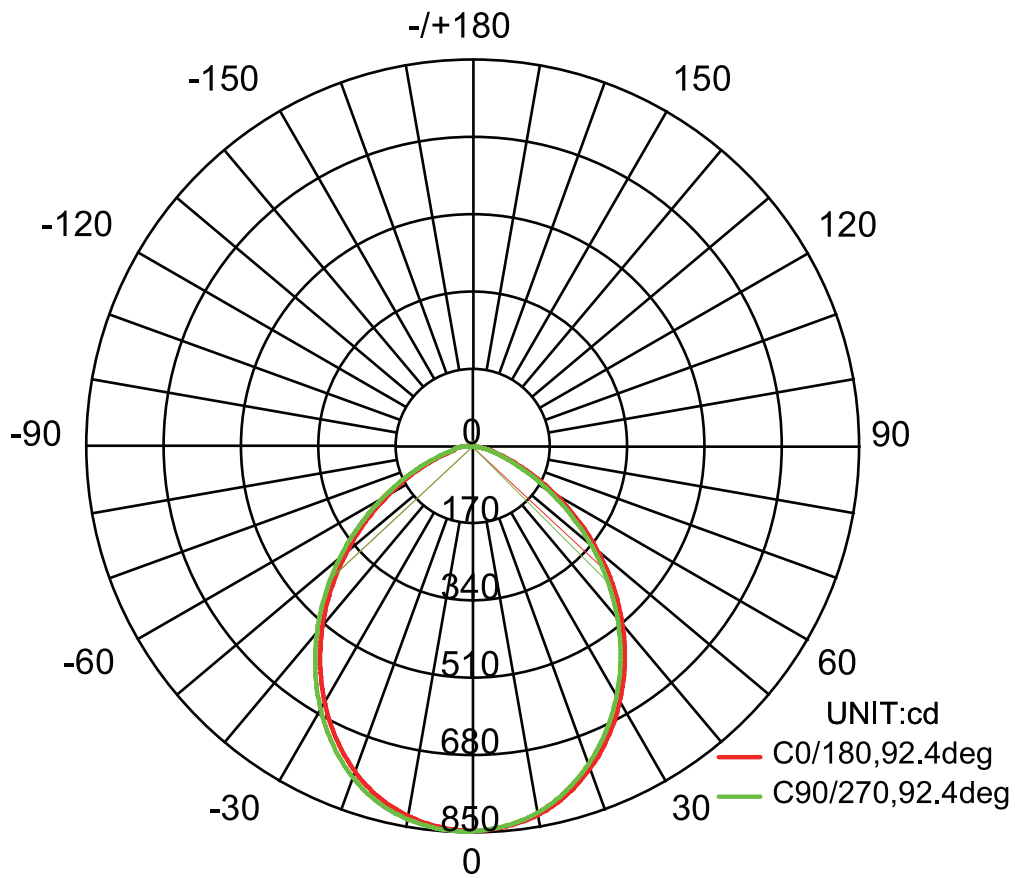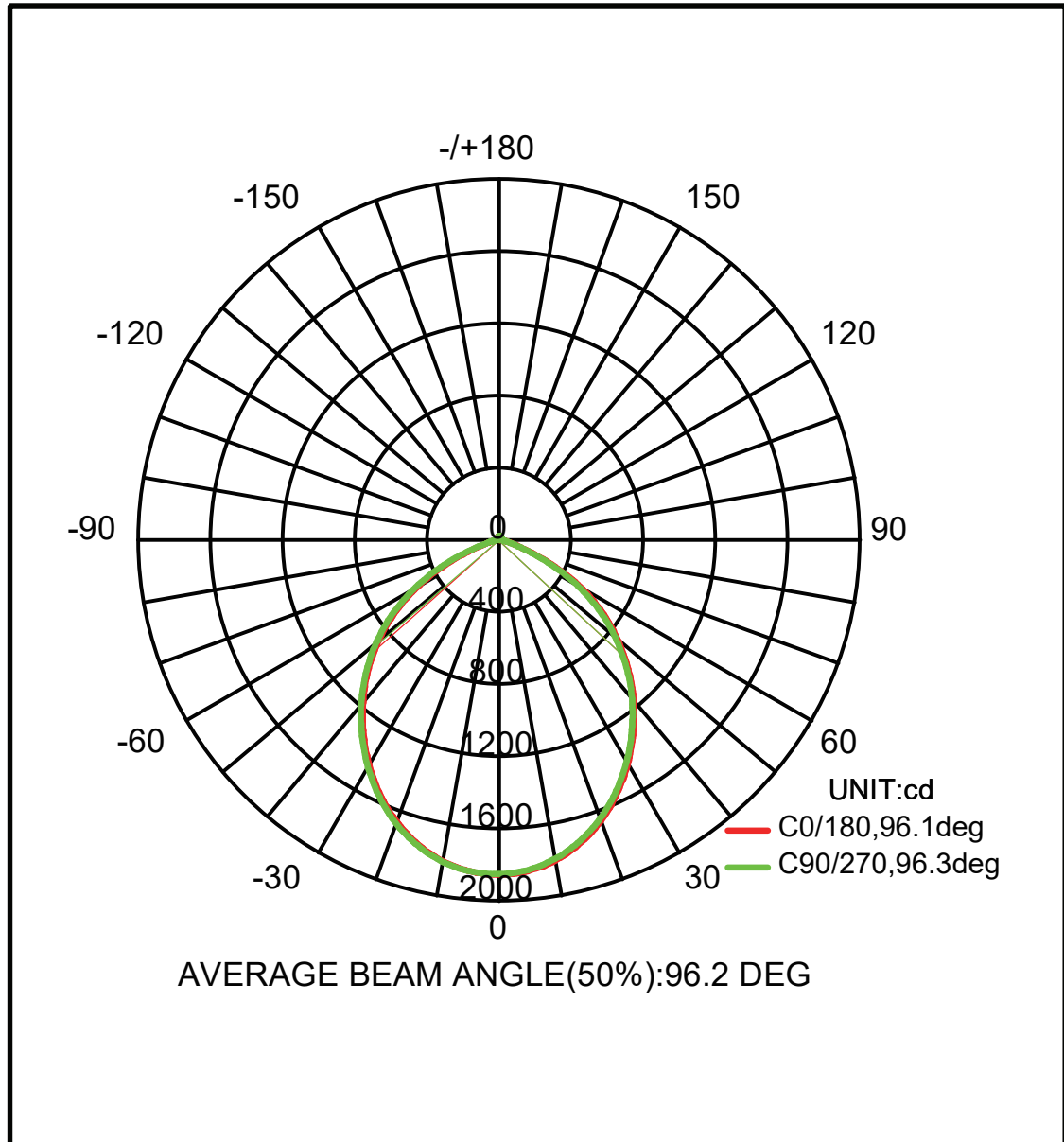
LED COMMERCIAL DOWNLIGHTS

Product Structure

Dip switch

Back cover

Safety hook

Driver

Metal Conduit

Housing

Clip

Trim with buffer ring

LED board
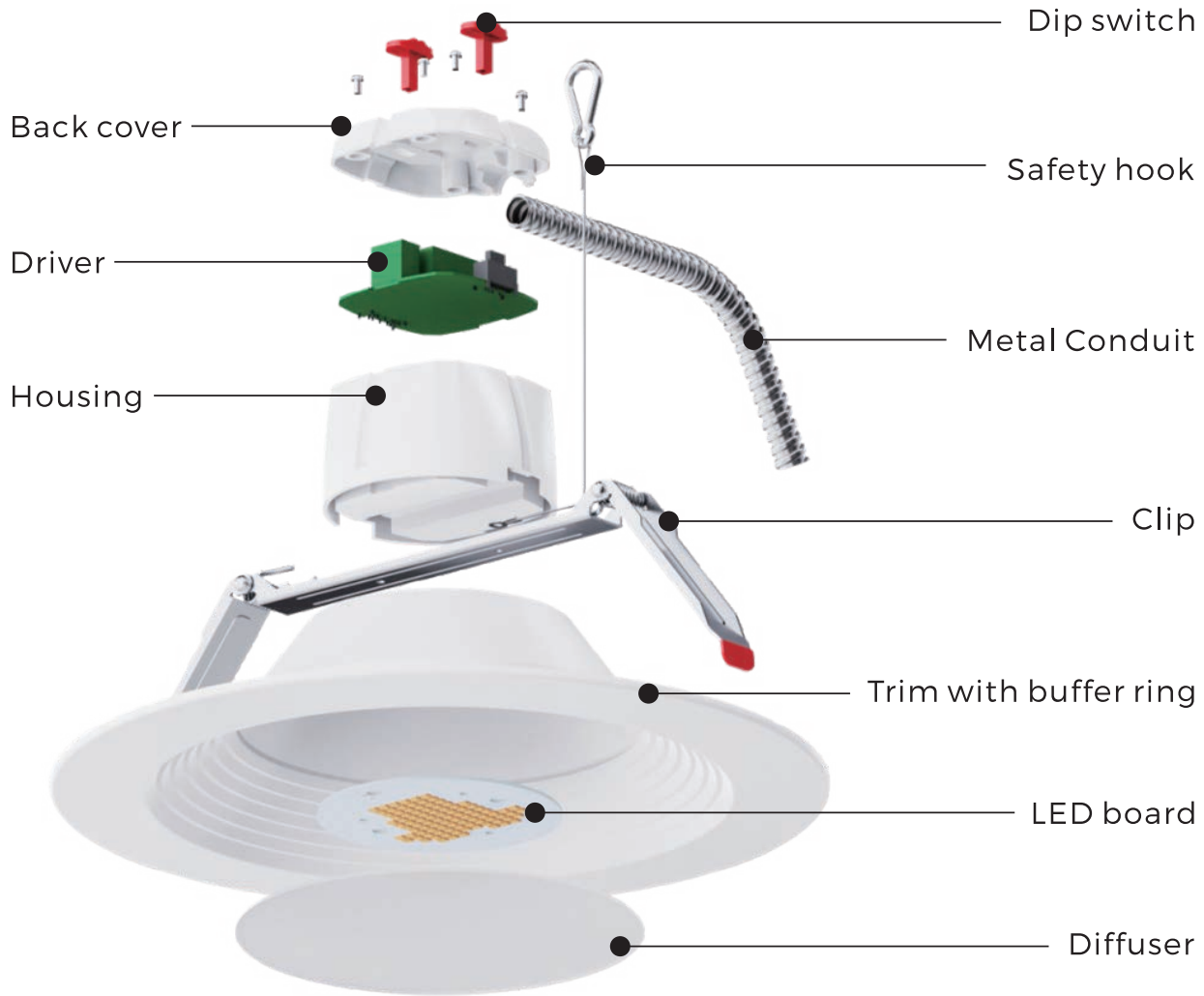
Diffuser

Multiple Power Selectable

3POWER

Easily accessible switch allows selection between 3 wattages depending on output requirements.

Multiple CCT Selectable

5CCT

Easily accessible switch allows selection of 5 CCT to suit a variety of environments.

LED COMMERCIAL DOWNLIGHTS

Installation

SAFETY PRECAUTIONS:

READ ALL INSTRUCTIONS

WARNING - RISK OF FIRE OR ELECTRIC SHOCK. INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRE ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION AND CONTACT A QUALIFIED ELECTRICIAN.

WARNING - THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH APPLICABLE INSTALLATION CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING - INSTALL THIS KIT IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS ACCORDING TO THE DIMENSIONS AND SUPPLY VOLTAGE AND AMPERAGE RATINGS SHOWN.

DO NOT INSTALL THE LUMINAIRE NEAR ANY HEAT SOURCE.

TO AVOID INJURY OR DAMAGE TO THE LUMINAIRE, PLEASE ENSURE THAT THE POWER LEADS AND SCREWS ARE SECURE BEFORE CONNECTING POWER.

ALWAYS ENSURE THAT POWER IS OFF, AND THE LUMINAIRE HAS COOLED, BEFORE PERFORMING ANY MAINTENANCE, CLEANING, OR ADJUSTMENTS TO THE LUMINAIRE.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the lighting unit and receiver.
3. Connect the lighting unit into an outlet on a circuit other than the outlet which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for assistance.

NOTE: Please note that changes and modifications are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Conforms to standard CAN-ICES 005(B) /NMB-005 (B)

TABLE 1

25.59"
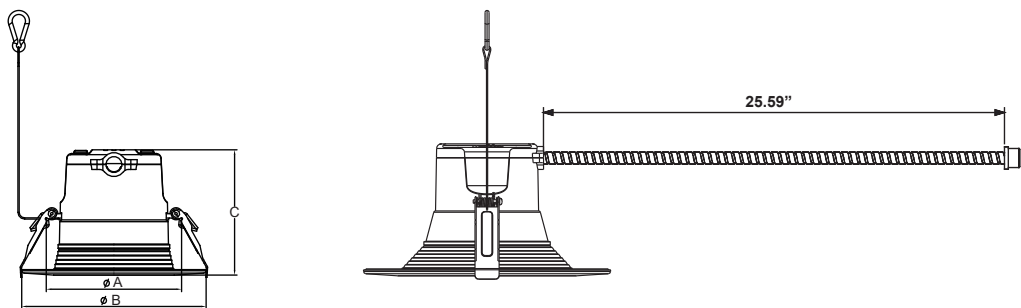
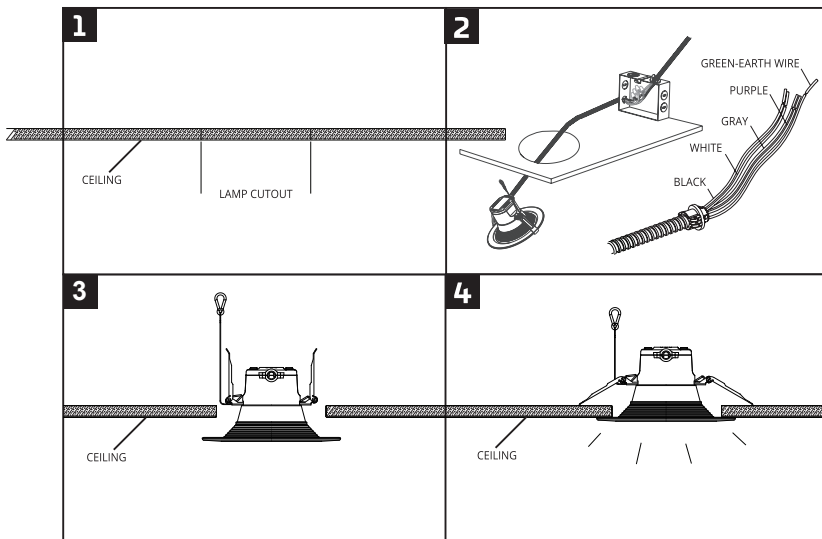| PRODUCTS COVERED								
Model	CCT Adjustable	Lumen output	Wattage Adjustable	A	B	C	Min. Cutout	Max. Cutout
4" CCT	2700/3000/3500 /4000/5000(K)	1000/1500/2000(LM)	9W/13W/18W	4.33"	5.91"	4.02"	4.33"	5.51"
6" CCT		1500/2000/3000(LM)	13W/19W/27W	5.91"	8.27"	4.41"	5.91"	7.48"
8" CCT		2000/3000/4000(LM)	18W/27W/36W	7.48"	10.24"	4.76"	7.48"	9.45"

LED COMMERCIAL DOWNLIGHTS

Installation

ALWAYS TURN OFF THE POWER SUPPLY FROM MAIN CIRCUIT BREAKER FIRST!

THERMAL RADIATION SPACE AND IRRADIATION DISTANCE MUST BE ENSURED. THE HEIGHT OF THE FIXTURE SHOULD BE NO LESS THAN 100MM. OPEN A HOLE IN CEILING ACCORDING TO CUTOUT SIZE OF THE LAMP.
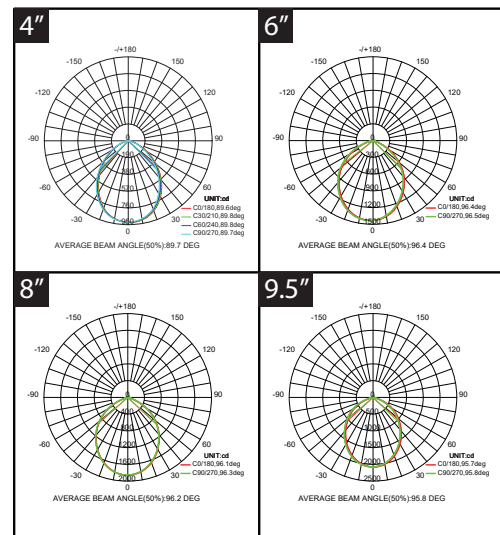
CONNECT AC AND DC WIRES CORRESPONDINGLY AS SHOWN IN FIGURE 2.

BEND BACK THE SPRING CLIPS THEN PUSH THE LAMP INTO THE HOLE.
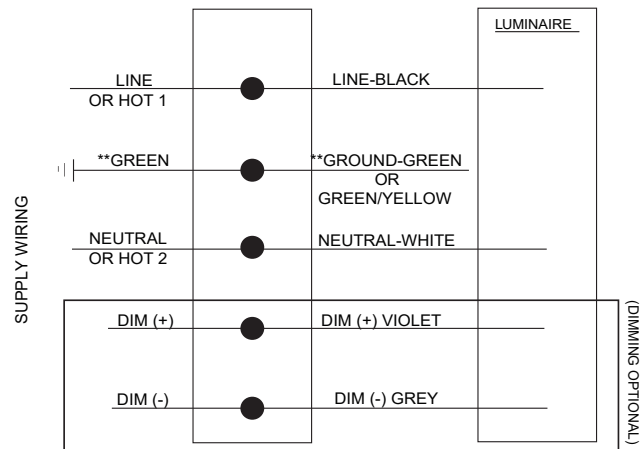
INSTALLATION COMPLETED. SWITCH ON.

1

CEILING   LAMP CUTOUT

2

GREEN-EARTH WIRE
PURPLE
GRAY
WHITE
BLACK

3

CEILING

4

CEILING

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

4"
-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
0
UNIT:cd
C0/180,89.8deg
C30/210,89.8deg
C60/240,89.8deg
C90/270,89.7deg
AVERAGE BEAM ANGLE(50%):89.7 DEG

6"
-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
0
UNIT:cd
C0/180,96.4deg
C90/270,96.5deg
AVERAGE BEAM ANGLE(50%):96.4 DEG

8"
-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
0
UNIT:cd
C0/180,96.1deg
C90/270,96.3deg
AVERAGE BEAM ANGLE(50%):96.2 DEG

9.5"
-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
0
UNIT:cd
C0/180,95.7deg
C90/270,95.8deg
AVERAGE BEAM ANGLE(50%):95.8 DEG

ELECTRICAL CONNECTIONS- STANDARD LUMINAIRE

Make the following Electrical Connections:

a. For 120-347V connect the black fixture lead to the voltage supply or Hot 1 .

b. For 120-347V connect the white fixture lead to the neutral supply or Hot 2 .

c. Connect the green or green/yellow supply ground lead to the junction box

d. If 0/1-10y Dimming is used, connect the violet lead to the supply positive dimming lead. If dimming is not being used ensure to cap off the violet lead. For dimming connections, use Class 1 wiring methods.

e. If 0/1-10V Dimming is used, connect the grey lead to the supply negative dimming lead. If dimming is not being used ensure to cap off the grey lead. For dimming connections, use Class 1 wiring methods.

SUPPLY WIRING

LUMINAIRE

LINE OR HOT 1 — LINE-BLACK

**GREEN — **GROUND-GREEN OR GREEN/YELLOW

NEUTRAL OR HOT 2 — NEUTRAL-WHITE

DIM (+) — DIM (+) VIOLET

DIM (-) — DIM (-) GREY

(DIMMING OPTIONAL)

** Connect the green or green/yellow supply ground lead to the junction box

LED COMMERCIAL DOWNLIGHTS

Wiring Diagram
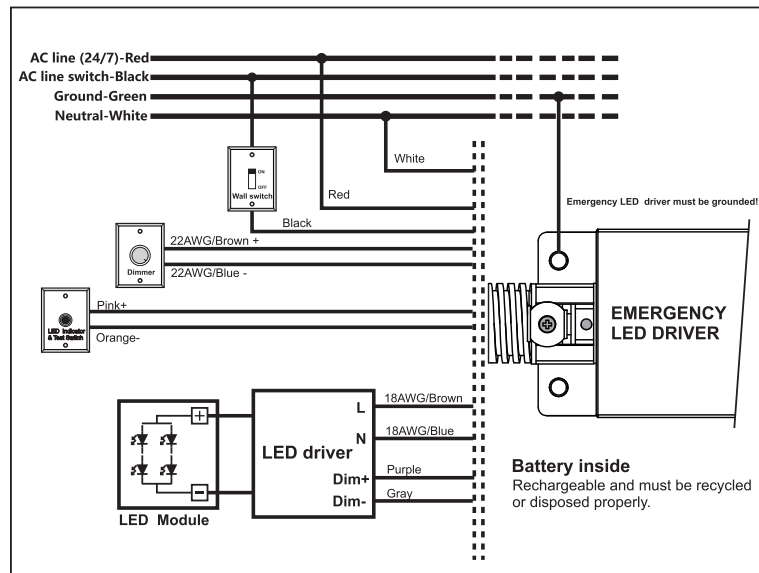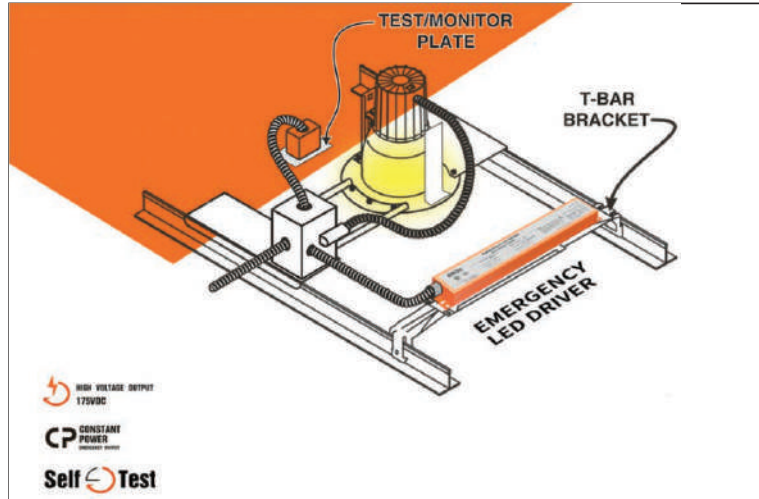
Packaging

SKU #.	Box Type	Product Size	Dimension (Inches)	Qty	Net Weight	Gross Weight
1560668	Inner Box	4"	7.28 X 7.25 X 4.60	1		
	Outer Box	4"	15.47 x1 4.76 x 8.11	6		
1560644	Inner Box	6"	8.46 x 8.46 x 5.03	1	1.16 LBS	1.52 LBS
	Outer Box	6"	26.38 x 9.29 x 11.02	6	7.01 LBS	10.07 LBS
1560669	Inner Box	8"	10.43 x 10.43 x5 .43	1		
	Outer Box	8"	21.77 x 17.24 x 11.26	6		

LED COMMERCIAL DOWNLIGHTS

Application Image

Warranty

5 Years Warranty