Project Name: _____

Part #: _____

Type: _____

LED LIGHTING SOLUTIONS
ENERGYHARNESS.COM

LED Recessed Downlight

Features

- **Multiple Trim Sizes**
- **Separable J-Box & Trim Design**
- **Construction Frame Kit Available**
- **CCT & Wattage Selectable Options**
- **Easy-Fit Installation Butterfly Clips**
- **Interchangeable Trim & Engine Options**

Adjustable Wattage | UL | 5 YEAR WARRANTY | Selectable CCT

Applications

Hospitals | Places of Worship | Offices | Retail Locations | Hallways | Entryways

Ordering Guide

Example:

EHD	4	RD	DP	20	347	D010	FRAME-RD
Series	**Trim Size**	**Trim Style**	**CCT**	**Wattage**	**Input Voltage**	**Dimming**	**Accessories**
EHD	4”	RD = ROUND [4”,6”,8”,10” TRIMS]	DP = 3,000K/4,000K/5,000K [SELECTABLE] [20W MODEL ONLY]	20 = 10W/15W/20W [SELECTABLE] [DP ONLY]	347 = 120-347VAC	D010 = 1-10V DIMMABLE	BBU = EMERGENCY BATTERY
	6”	SQ = SQUARE [4”,6” TRIMS ONLY]	DP35K = 3,000K/3,500K/4,000K [SELECTABLE] [40W MODEL ONLY]	40 = 27W/34W/40W [SELECTBALE] [DP35K ONLY]			FRAME-RD = CIRCULAR NEW CONSTRUCTION FRAME
	8”	RDWW = ROUND WALL WASH [4”,6” TRIMS ONLY]					FRAME-SQ = SQUARE NEW CONSTRUCTION FRAME
	10”	SQWW = SQUARE WALL WASH [4”,6” TRIMS ONLY]					

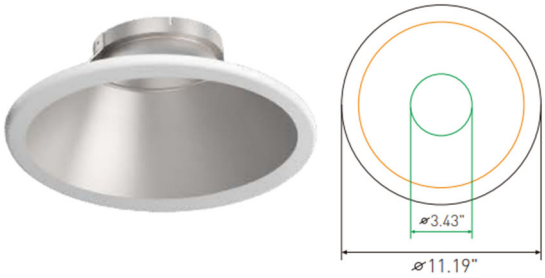
TRIM STYLE & ENGINE OVERVIEW

40W MODEL

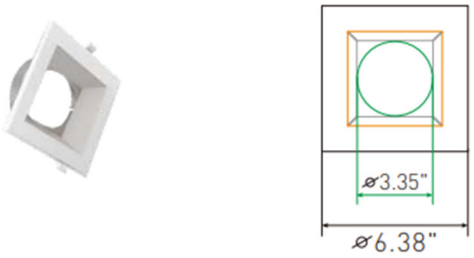
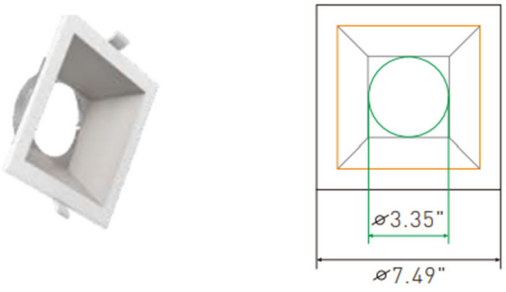
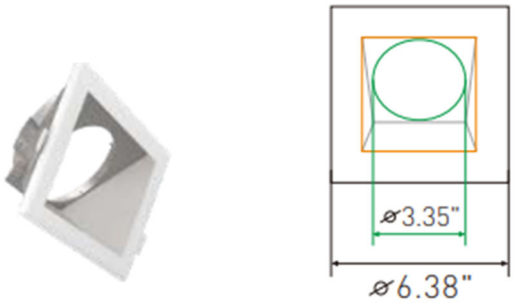
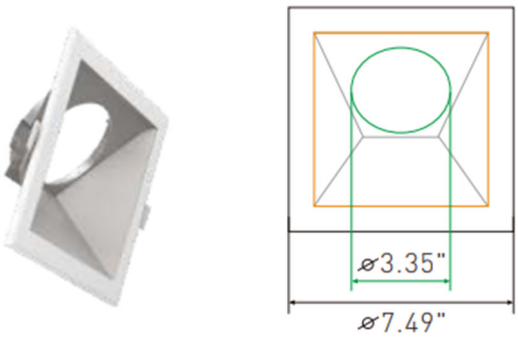
20W MODEL

TRIM STYLES

TRIM STYLE & SIZE

Reference	Reference Code	Description
	4”-RD	Round 4” Trim
	6”-RD	Round 6” Trim
	8”-RD	Round 8” Trim
	10”-RD	Round 10” Trim
	4”RDWW	Round 4” Wall Wash Trim
	6”RDWW	Round 6” Wall Wash Trim

TRIM STYLE & SIZE CONTINUED

Reference	Reference Code	Description
	4”-SQ	Square 4” Trim
	6”-SQ	Square 6” Trim
	4”SQWW	Square 4” Wall Wash Trim
	6”SQWW	Square 6” Wall Wash Trim

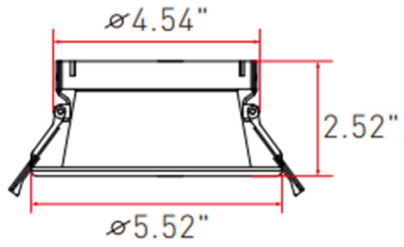
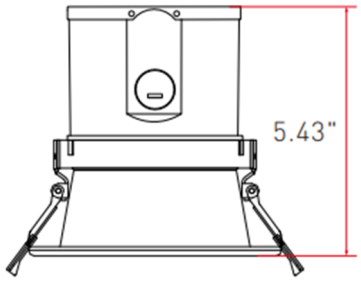
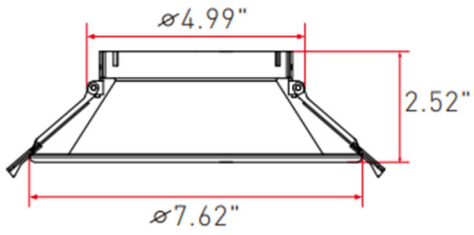
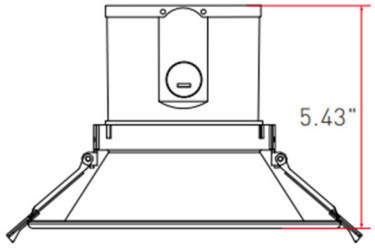
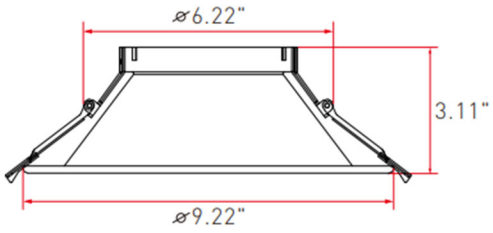
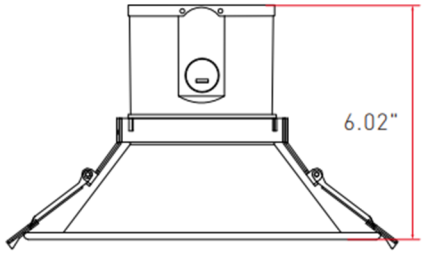
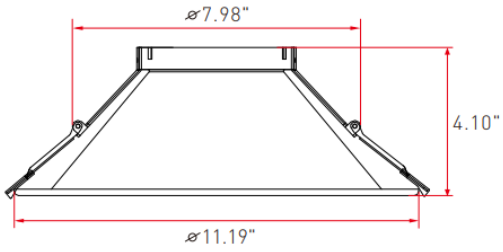
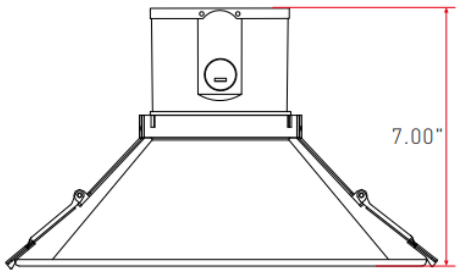
ACCESSORIES

Reference	Part Number	Description
	EHA-EEBB-16W-DF-H	16W LED Emergency Driver w/ Dual Flex Cables & Indicator
	EHD-DP-NC-FRAME-R-JB	Circular New Construction Frame Bracket w/ Junction Box
	EHD-DP-NC-FRAME-S-JB	Square New Construction Frame Bracket w/ Junction Box

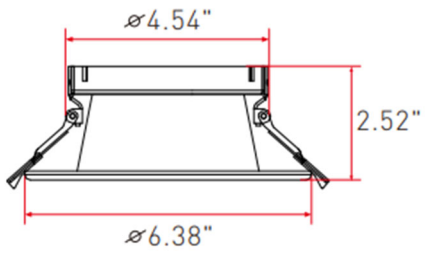
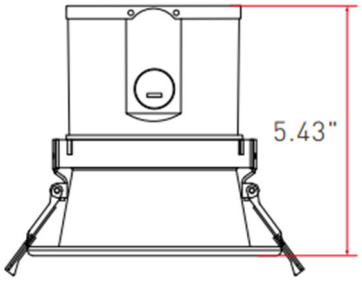
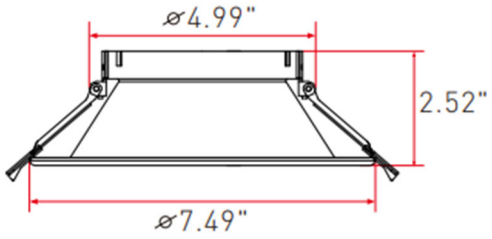
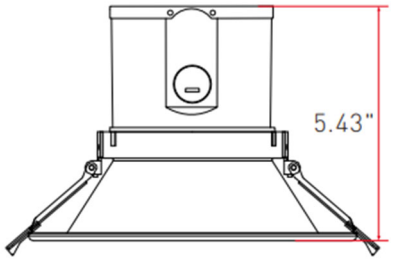
LED RECESSED DOWNLIGHT

SPECIFICATION		
MODEL:	20W	40W
WATTAGE:	10W/15W/20W **[SELECTABLE]**	27W/34W/40W **[SELECTABLE]**
LUMEN:	800lm/1,170lm/1,500lm	2,430lm/2,890lm/3,200lm
EFFICACY:	75lm/W	80lm/W
INPUT VOLTAGE:	120-347VAC	
CCT:	3,000K/4,000K/5,000K **[SELECTABLE]**	3,000K/3,500K/4,000K **[SELECTABLE]**
THD:	<20%	
CRI:	>80	
POWER FACTOR:	>0.9	
LIFESPAN:	35,000 HOURS @L70	50,000 HOURS @L70
DIMMABLE:	1-10VDC (10% - 100% DIMMING)	
IC RATING:	IC RATED	NON IC RATED
LENSING:	FROSTED	
MATERIAL:	ALUMINUM	
WARRANTY:	5 YEAR	

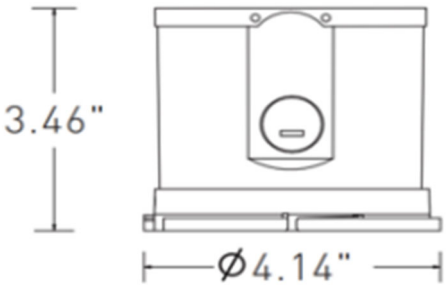
ROUND TRIM DIMENSIONS

Size/Style	Trim	Trim With Engine
4” Round		
6” Round		
8” Round		
10” Round		

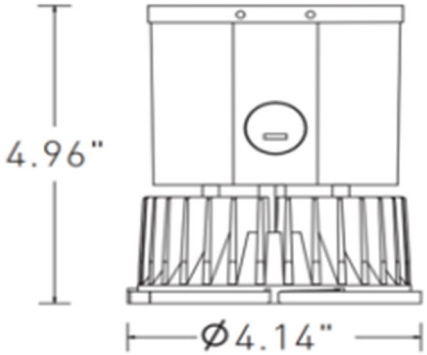
SQUARE TRIM DIMENSIONS

Size/Style	Trim	Trim With Engine
4” Square		
6” Square		

ENGINE DIMENSIONS

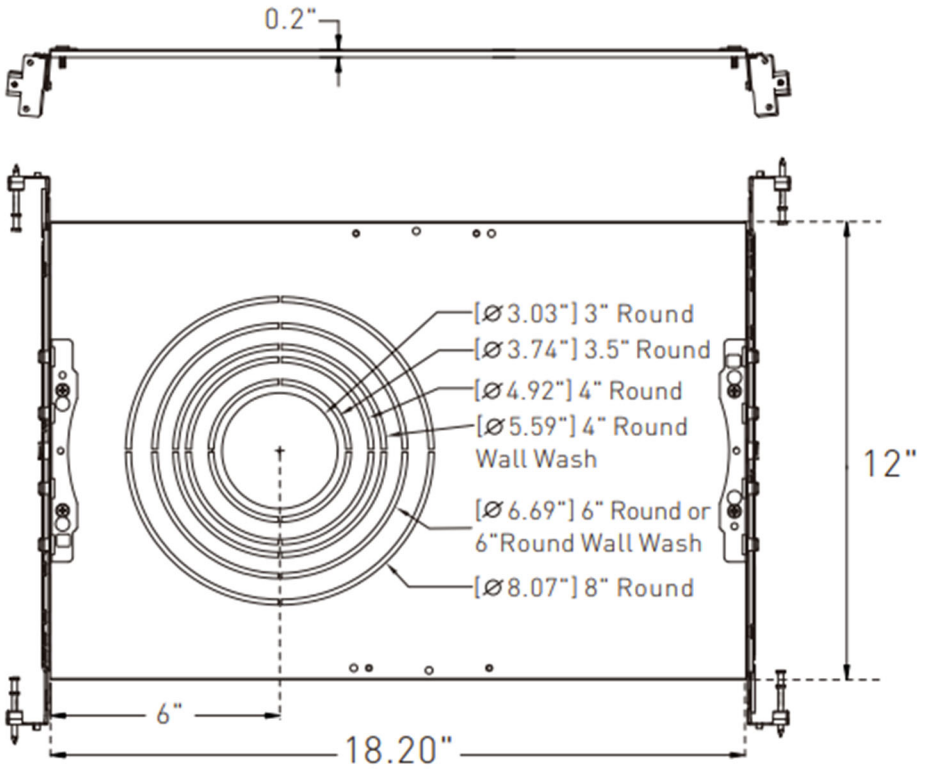


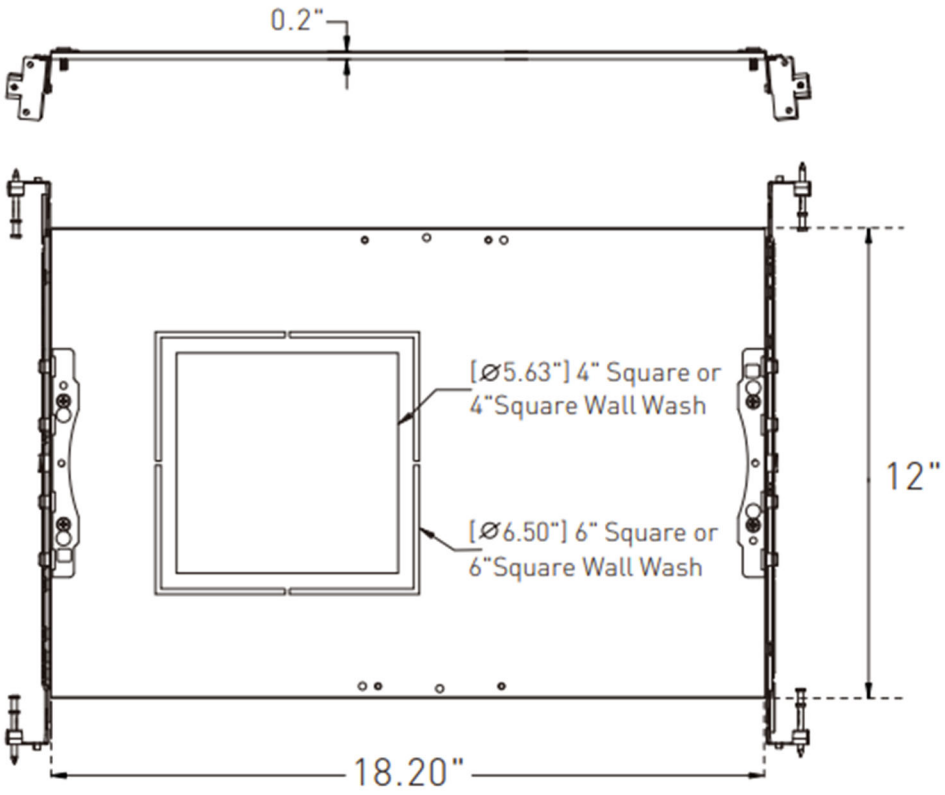
10W, 15W, 20W



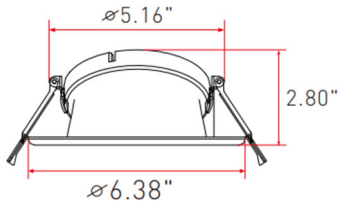
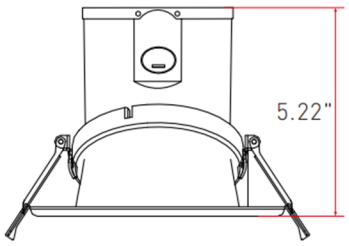
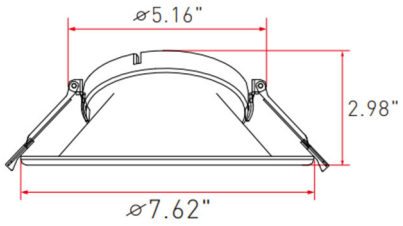
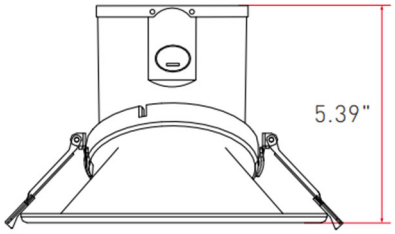
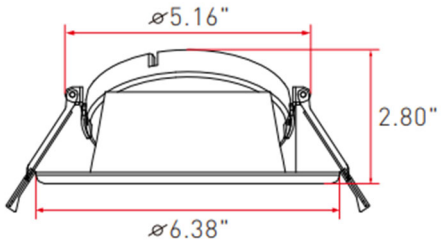
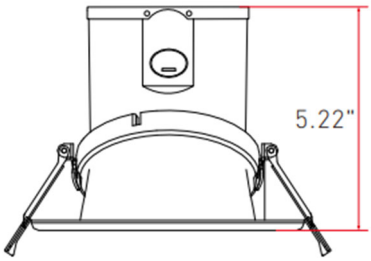
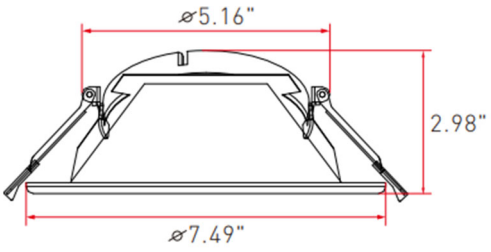
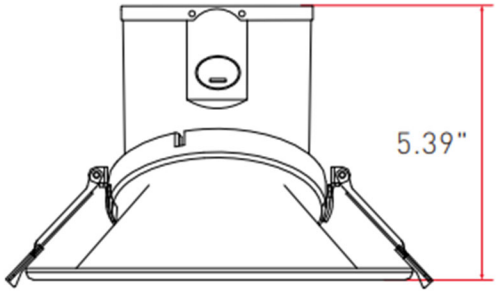
40W

CONSTRUCTION PLATE DIMENSIONS



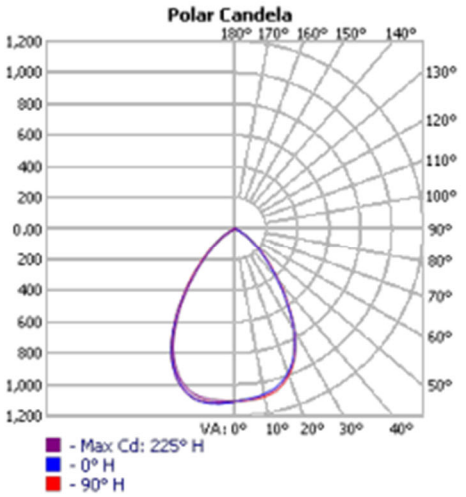


WALL WASH TRIM DIMENSIONS

Size/Style	Trim	Trim With Engine
4” Round Wall Wash		
6” Round Wall Wash		
4” Square Wall Wash		
6” Square Wall Wash		

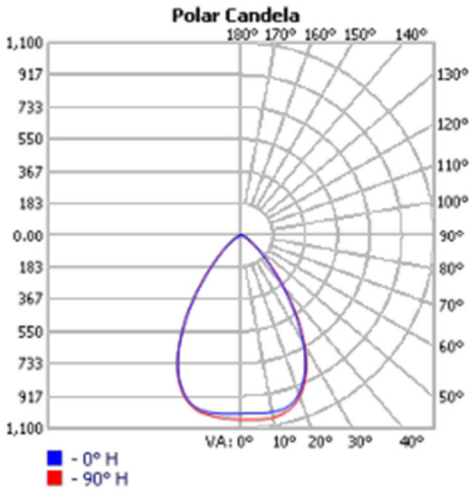
PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHD4-RD-DP-20-347-D010
Description	4" Round trim, 30K downlight
Fixture Lumens (lm)	1,560lm
Wattage (W)	20W
Efficacy (lm/w)	78lm/w



Zone	Lumens	%Fixture
0-40	1,203.2	77.2%
0-60	1,532.7	98.3%
0-90	1,559.1	100.0%
90-180	0.10	0.0%
0-180	1,559.2	100.0%

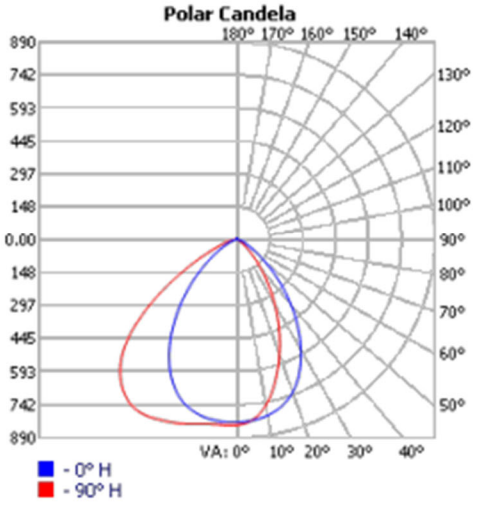
Luminaire Data	
Part Number	EHD4-SQ-DP-20-347-D010
Description	4" Square Trim, 30K downlight
Fixture Lumens (lm)	1,450lm
Wattage (W)	20W
Efficacy (lm/w)	72.5lm/w



Zone	Lumens	%Fixture
0-40	1,160.1	79.9%
0-60	1,423	98.0%
0-90	1,448.6	99.7%
90-180	4.00	0.3%
0-180	1,452.6	100.0%

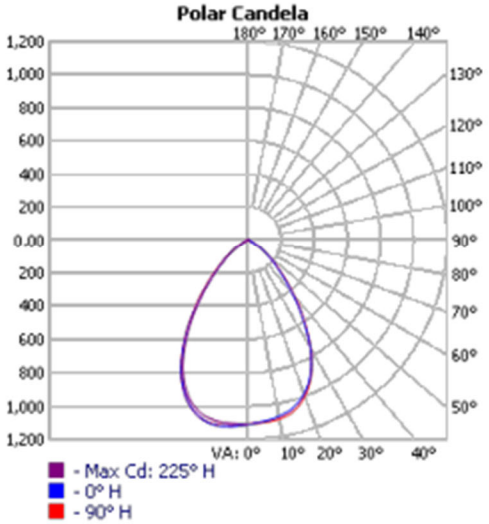
PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHD4-SQWW-DP-20-347-D010
Description	4" Square wall wash trim, 30K downlight
Fixture Lumens (lm)	1,480lm
Wattage (W)	20W
Efficacy (lm/w)	74lm/w



Zone	Lumens	%Fixture
0-40	932.1	62.9%
0-60	1,386.7	93.6%
0-90	1,476.6	99.7%
90-180	4.40	0.3%
0-180	1,481	100.0%

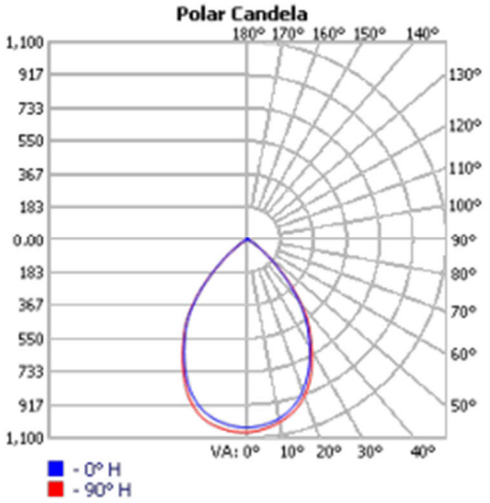
Luminaire Data	
Part Number	EHD6-RD-DP-20-347-D010
Description	6" Round trim, 30K downlight
Fixture Lumens (lm)	1,560lm
Wattage (W)	20W
Efficacy (lm/w)	78lm/w



Zone	Lumens	%Fixture
0-40	1,203.2	77.2%
0-60	1,532.7	98.3%
0-90	0.00	0.0%
90-180	1,559.1	100.0%
0-180	1,559.2	100.0%

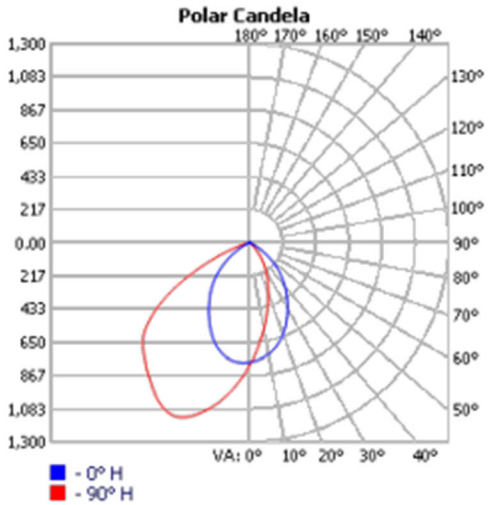
PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHD6-SQ-DP-20-347-D010
Description	6" Square trim, 30K downlight
Fixture Lumens (lm)	1,515lm
Wattage (W)	20W
Efficacy (lm/w)	75.75lm/w



Zone	Lumens	%Fixture
0-40	1,121.8	74.0%
0-60	1,489.9	98.3%
0-90	1,511	99.7%
90-180	4.10	0.3%
0-180	1,515.1	100.0%

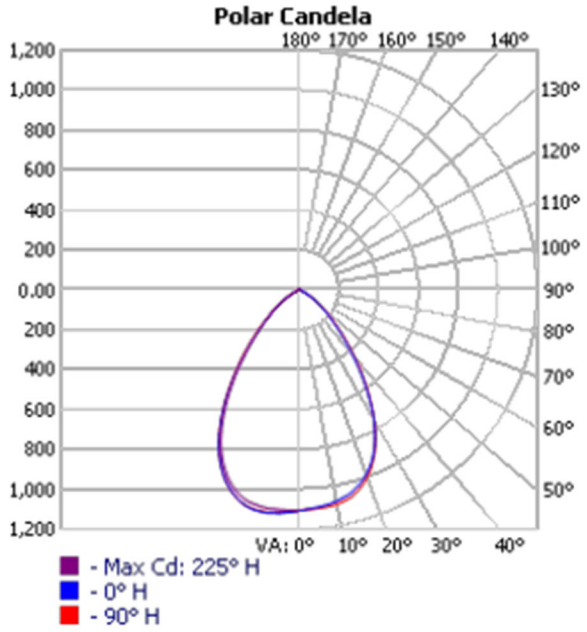
Luminaire Data	
Part Number	EHD6-SQWW-DP-20-347-D010
Description	6" Square wall wash trim, 30K downlight
Fixture Lumens (lm)	1,590lm
Wattage (W)	20W
Efficacy (lm/w)	79.5lm/w



Zone	Lumens	%Fixture
0-40	929.1	58.4%
0-60	1,460.5	91.8%
0-90	1,585.9	99.7%
90-180	4.5	0.3%
0-180	1,590.3	100.0%

PHOTOMETRICS DATA

Luminaire Data	
Part Number	EHD8-RD-DP-20-347-D010
Description	8" Round trim, 30K downlight
Fixture Lumens (lm)	1,560lm
Wattage (W)	20W
Efficacy (lm/w)	78lm/w



Zone	Lumens	%Fixture
0-40	1,203.2	77.2%
0-60	1,532.7	98.3%
0-90	1,559.1	100.0%
90-180	0.10	0.0%
0-180	1,559.2	100.0%