

# X34 Field-Adjustable Floodlight



X34XS



X34S  
X34S/RGB



X34M  
X34M/RGB



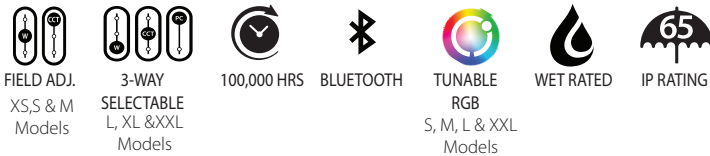
X34L  
X34L/RGB



X34XL & X34XXL  
X34XXL/RGB



## X34 Floodlight with selectable power & CCT



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



\* XS,S & M Models

\*\* L, XL & XXL Models

### KEY FEATURES

- Ultra-economy floodlights with selectable power and CCT
- Available models & wattages:
  - X34XS : 16/13/10W
  - X34S: 35/25/20W
  - X34M: 65/55/45W
  - X34L: 90/80/70W
  - X34XL: 130/110/95W
  - X34XXL: 160/140/120W
- Selectable CCT: 3000/4000/5000K
- RGBW models also available with static wattages: X34S: 30W, X34M: 60W, X34L: 90W & X34XXL: 160W
- RGBW models with tunable white 2500-6500K CCT, 16+ million colors to select
- Knuckle mount on X34XS, X34XS & X34M models and Slipfitter or Trunnion option for X34L, X34XL & X34XXL models
- Suitable for wet locations
- 120 or 277V, non-dimming driver for X34XS, X34S & X34M models. The driver includes wiring for 0-10V dimming for X34L, X34XL & X34XXL models.
- 5-year limited warranty

## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

Suitable for wet locations

#### IP Rating

Ingress protection rating of IP65 for dust and water

#### DLC Listed (X34XS, X34S & X34M)

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

#### DLC Listed (X34L, X34XL & X34XXL)

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC STANDARD		DLC PREMIUM	
Model#	DLC Product ID	Model#	DLC Product ID
X34XS	S-P1Q64R	X34L	S-EZPO0W
X34S	S-T9KEIS	X34XL	S-2HQ7D4
X34M	S-MZAHWR	X34XXL	S-AOKIJL

### CONSTRUCTION

#### Cold Weather Starting

Minimum starting temperature is -40°C (-40°F)

#### Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

#### Housing

Precision die-cast aluminum

#### Mounting

X34XS, X34S & X34M: Knuckle Mount

X34L, X34XL & X34XXL: Slipfitter (Tilt increment: 10°), Trunnion (Tilt increment 30°)

#### Lens

Tempered glass

#### Reflector

Polycarbonate for Models X34XS, X34S & X34M. Polyethylene terephthalate for X34L, X34XL & X34XXL.

#### Green Technology

Mercury and UV free. RoHS-compliant components.

#### Finish

Formulated for high durability and long lasting color

#### NEMA

NEMA beam spread of 7H x 7V

#### EPA

X34L: 0.05

X34XL: 0.06

X34XXL: 0.06

## TECHNICAL SPECIFICATIONS (CONTINUED)

### FACTORY DEFAULT

#### Selectable Wattage:

X34XS : 16/13/10W (Default 16W)  
 X34S: 35/25/20W (Default 35W), X34S/RGB: Static 30W  
 X34M: 65/55/45W (Default 65W), X34M/RGB: Static 60W  
 X34L: 90/80/70W (Default 90W), X34L/RGB: Static 90W  
 X34XL: 130/110/95W (Default 130W)  
 X34XXL: 160/140/120W (Default 160W), X34XXL/RGB: Static 160W

#### CCT:

3000/4000/5000K (Default 4000K)

**RGB Models:** Tunable white: 2200K - 6500K (Default 3000K).

Adjustable using Lightcloud Blue mobile app)

16+ million RGB colors

### LED CHARACTERISTIC

#### LEDS

Long-life, high-efficacy, surface-mount LEDs

#### Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

#### Color Consistency

<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

### ELECTRICAL

#### Drivers:

Constant Current, Class 1, 120 or 277V, 50/60 Hz

#### X34XS

16W: 120V: 0.14A, 277V: 0.06A

13W: 120V: 0.12A, 277V: 0.05A

10W: 120V: 0.08A, 277V: 0.04A

#### X34S:

35W: 120V: 0.30A, 277V: 0.13A

25W: 120V: 0.22A, 277V: 0.10A

20W: 120V: 0.18A, 277V: 0.08A

#### X34M:

65W: 120V: 0.60A, 277V: 0.24A

55W: 120V: 0.50A, 277V: 0.20A

45W: 120V: 0.37A, 277V: 0.17A

#### Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz

#### X34L:

90W: 120V: 0.78A 208V: 0.44A, 240V: 0.38A, 277V: 0.35A

80W: 120V: 0.69A 208V: 0.40A, 240V: 0.34A, 277V: 0.31A

70W: 120V: 0.59A 208V: 0.34A, 240V: 0.30A, 277V: 0.27A

#### X34XL:

130W: 120V: 1.13A 208V: 0.63A, 240V: 0.55A, 277V: 0.49A

110W: 120V: 0.98A 208V: 0.53A, 240V: 0.46A, 277V: 0.43A

95W: 120V: 0.85A 208V: 0.46A, 240V: 0.40A, 277V: 0.38A

#### X34XXL:

160W: 120V: 1.34A 208V: 0.77A, 240V: 0.67A, 277V: 0.60A

140W: 120V: 1.19A 208V: 0.68A, 240V: 0.60A, 277V: 0.52A

120W: 120V: 1.02A 208V: 0.58A, 240V: 0.50A, 277V: 0.46A

#### Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz

**X34S/RGB:** 120V: 0.25A 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

**X34M/RGB:** 120V: 0.50A 208V: 0.29A, 240V: 0.25A, 277V: 0.22A

**X34L/RGB:** 120V: 0.75A 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

**X34XXL/RGB:** 120V: 1.34A 208V: 0.77A, 240V: 0.67A, 277V: 0.58A

### ELECTRICAL

#### Dimming Drivers:

Driver includes dimming control wiring for 0-10V dimming system. Requires separate 0-10V DC dimming circuitry. Dims down to 10%.

*Note: Does not apply to the RGB models.*

#### Dimming Drivers (RGB)

Dimming via the Lightcloud Blue mobile app and devices

This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control

#### Photocell:

Models X34L, X34XL & X34XXL: 120-277V selectable On/Off photocell that can be turned on and off. RGB models do not have a photocell.

#### Surge Protection:

2kV

#### THD/Power Factor:

MODEL#	WATTAGE	@120V		@277V	
		THD	PF	THD	PF
X34XS	16W	14.3%	98.2%	16.2%	92.9%
	13W	14.0%	98.6%	16.4%	90.5%
	10W	14.6%	98.3%	14.8%	87.8%
X34S	35W	4.3%	99.7%	8.2%	96.2%
	25W	5.0%	99.7%	16.8%	91.7%
	20W	6.1%	99.4%	20.5%	90.6%
X34M	65W	3.6%	99.8%	7.9%	96.4%
	55W	4.2%	99.8%	12.2%	94.8%
	45W	5.1%	99.6%	17.2%	92.8%
X34L	90W	3.9%	99.7%	6.6%	93.9%
	80W	4.0%	99.6%	7.9%	92.7%
	70W	4.3%	99.5%	10%	90.9%
X34XL	130W	4.1%	99.8%	7.2%	96%
	110W	4.1%	99.8%	7.9%	95.1%
	95W	4.0%	99.7%	8.8%	93.9%
X34XXL	160W	3.1%	99.8%	5.9%	95.2%
	140W	3.0%	99.7%	8.6%	93.3%
	120W	2.7%	99.6%	10.4%	90.7%

Model#	THD	PF	Model#	THD	PF
X34S/RGB	120V		X34L/RGB	120V	
@2700K	5.4%	99.8%	@2700K	2.0%	99.8%
@3000K	5.4%	99.8%	@3000K	2.1%	99.8%
@4000K	5.4%	99.7%	@4000K	2.1%	99.8%
@5000K	5.4%	99.7%	@5000K	2.1%	99.8%
@6500K	5.3%	99.7%	@6500K	2.1%	99.8%
X34M/RGB	120V		X34XXL/RGB	120V	
@2700K	13.0%	99.1%	@2700K	6.4%	99.6%
@3000K	12.1%	99.3%	@3000K	7.3%	99.6%
@4000K	12.1%	99.4%	@4000K	7.6%	99.6%
@5000K	11.6%	99.4%	@5000K	7.5%	99.6%
@6500K	12.4%	99.4%	@6500K	7.6%	99.6%

Note: All values are typical (tolerance +/- 10%)

# X34 Field-Adjustable Floodlight



## TECHNICAL SPECIFICATIONS (CONTINUED)

### LIGHTCLOUD BLUE

#### Lightcloud Blue-Enabled

Lightcloud Blue (LCB) is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at [www.lightcloud.com](http://www.lightcloud.com)

### PERFORMANCE

#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### OTHER

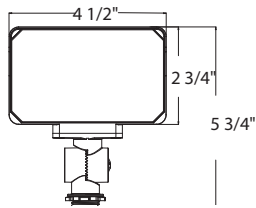
#### Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## DIMENSIONS

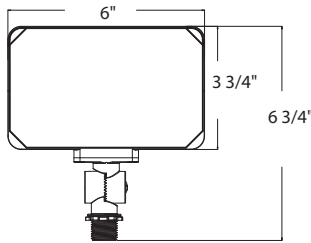
### X34XS

Weight: 0.36 lbs



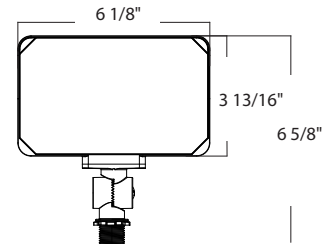
### X34S

Weight: 0.6 lbs



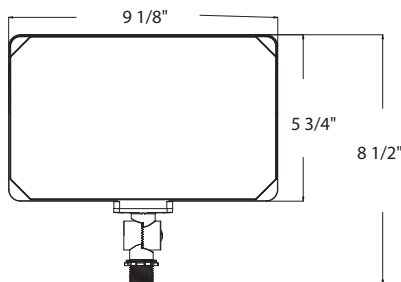
### X34S/RGB

Weight: 0.6 lbs



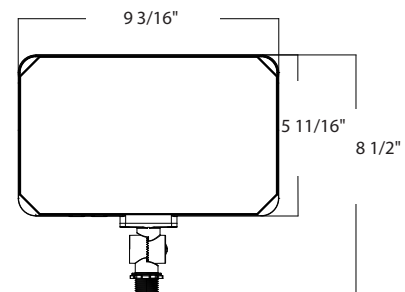
### X34M

Weight: 1.23 lbs



### X34M/RGB

Weight: 1.23 lbs



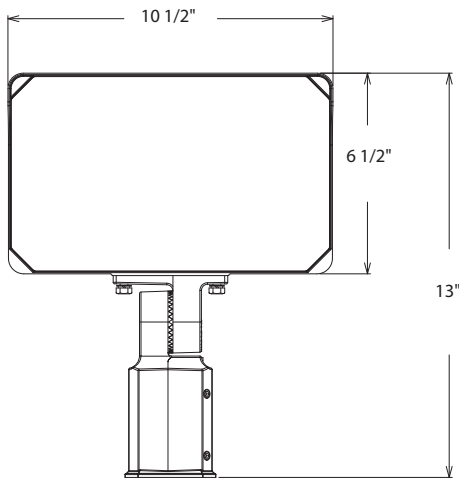
# X34 Field-Adjustable Floodlight



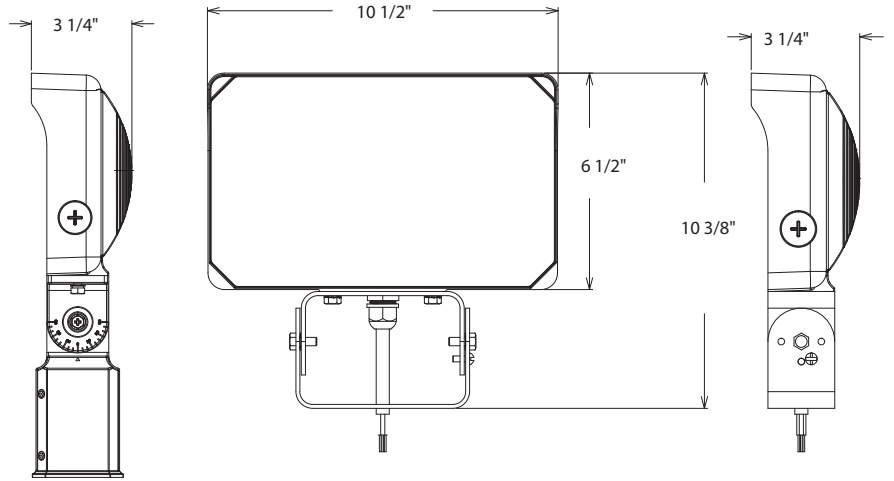
## DIMENSIONS

### X34L

Weight: w/Slipfitter : 6.6 lbs, w/Trunnion: 6.8 lbs

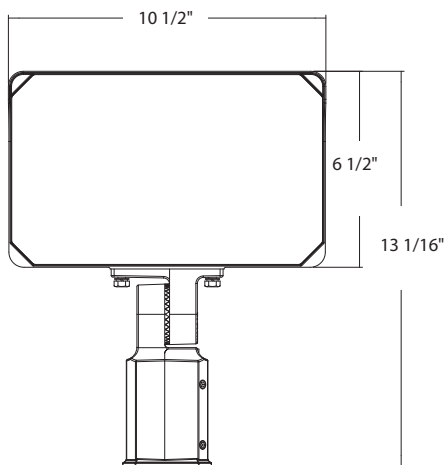


Slipfitter Mount

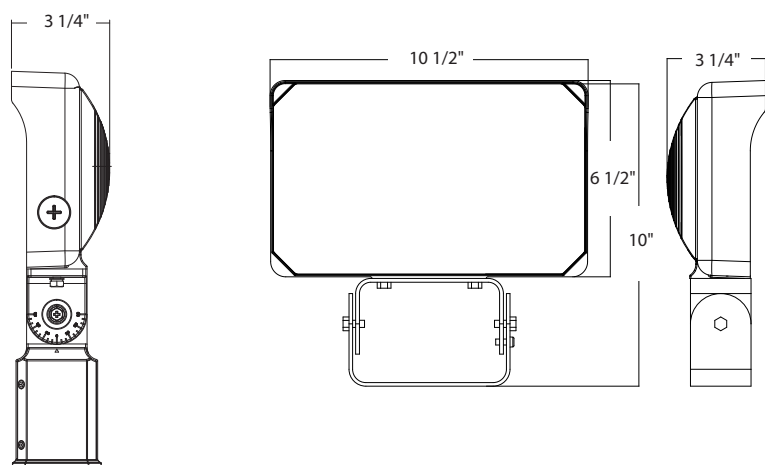


Trunnion Mount

### X34L/RGB



Slipfitter Mount



Trunnion Mount

# X34 Field-Adjustable Floodlight

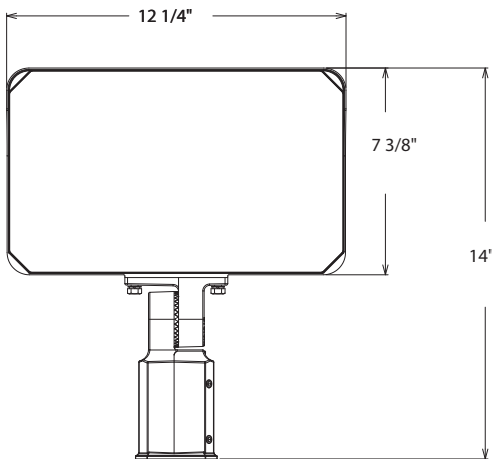


## DIMENSIONS

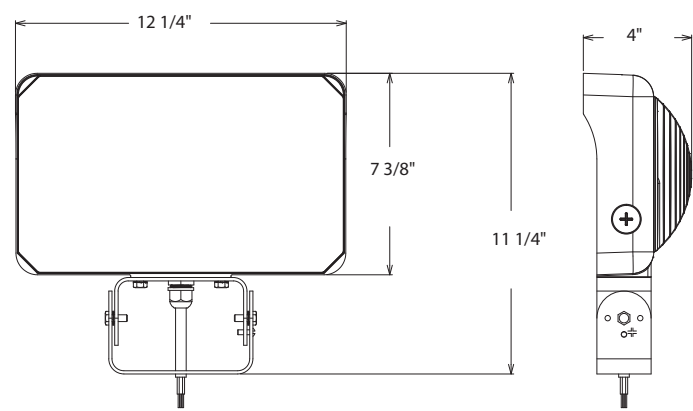
### X34XL / X34XXL

Weight (X34XL) : w/Slipfitter: 8.1 lbs, w/Trunnion: 8.5 lbs

Weight (X34XXL) : w/Slipfitter: 8.5 lbs, w/Trunnion: 9 lbs

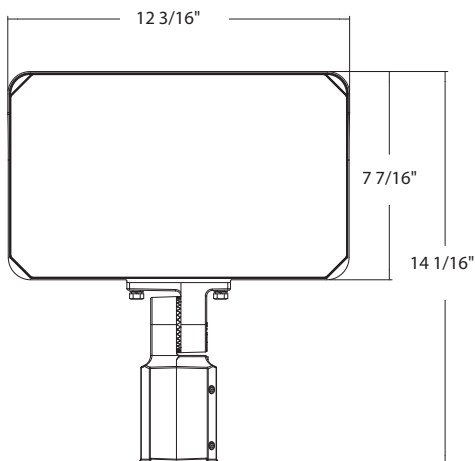


Slipfitter Mount

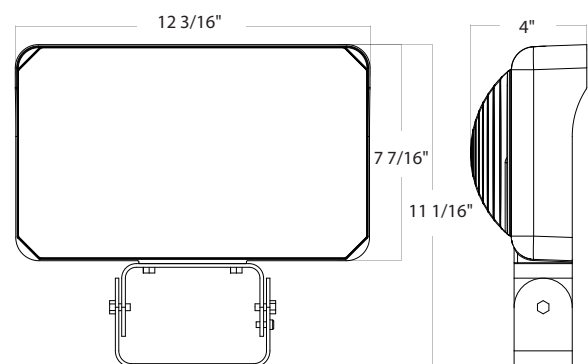


Trunnion Mount

### X34XXL/RGB



Slipfitter Mount



Trunnion Mount

# X34 Field-Adjustable Floodlight



## PERFORMANCE

X34XS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	16W			13W			10W		
INPUT WATTS	16.4W	15.8W	16.2W	13W	12.8W	12.9W	10.5W	10.4W	10.5W
LUMENS	2,148	2,353	2,275	1,784	1,925	1,883	1,468	1,566	1,468
EFFICACY	131.0	148.0	140.4	137.2	150.4	146.0	139.8	150.6	147.6
CRI	81	84	83	82	84	83	82	84	83
VOLTAGE RATINGS	120 or 277V								

X34S	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	35W			25W			20W		
INPUT WATTS	33.6W	32.3W	33.5W	24.7W	23.7W	24.5W	20W	19.6W	19.9W
LUMENS	4,081	4,677	4,336	3,240	3,576	3,419	2,685	2,956	2,845
EFFICACY	121.5	144.8	129.4	131.2	150.9	139.6	134.3	150.8	143.0
CRI	81	84	83	81	84	83	81	84	83
VOLTAGE RATINGS	120 or 277V								

X34M	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	65W			55W			45W		
INPUT WATTS	66.8W	63.7W	67W	54.4W	52.1W	54.4W	43.7W	42.6W	43.8W
LUMENS	8,608	9,718	9,245	7,496	8,306	7,997	6,346	7,080	6,808
EFFICACY	128.9	152.6	138.0	137.8	159.4	147.0	145.2	166.2	155.4
CRI	80	83	82	83	83	83	83	83	83
VOLTAGE RATINGS	120 or 277V								

X34XL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	90W			80W			70W		
INPUT WATTS	93.6W	89.1W	93.1W	82.5W	79W	82.2W	70.9W	68.1W	70.7W
LUMENS	12,804	14,040	13,440	11,639	12,676	12,218	10,313	11,140	10,885
EFFICACY	136.8	157.6	144.4	141.1	160.5	148.6	145.5	163.6	154.0
CRI	83	86	85	83	86	85	83	86	85
VOLTAGE RATINGS	120-277V								

X34XL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	130W			110W			95W		
INPUT WATTS	135.1W	128.4W	134.3W	117W	112W	116.5W	101.2W	97.3W	100.9W
LUMENS	18,281	20,065	19,243	16,376	17,878	17,262	14,615	15,814	15,456
EFFICACY	135.3	156.3	143.2	140.0	159.6	148.2	144.4	162.5	153.2
CRI	783	86	85	83	86	85	83	86	85
VOLTAGE RATINGS	120-277V								

X34XXL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
WATTAGE	160W			140W			120W		
INPUT WATTS	160.4W	153.4W	160.9W	141.8W	136.1W	142.2W	121W	116.4W	121.7W
LUMENS	21,483	24,168	23,567	21,510	21,934	19,703	17,458	19,243	19,121
EFFICACY	133.9	157.6	146.5	138.9	161.2	151.3	144.3	165.3	157.1
CRI	83	86	85	83	86	85	83	86	85
VOLTAGE RATINGS	120-277V								

# X34 Field-Adjustable Floodlight



## PERFORMANCE

X34S/RGB	2700K	3000K	4000K	5000K	6500K
WATTAGE	30W				
INPUT WATTS	29.9W	29.9W	30.0W	30.0W	30.0W
LUMENS	3,674	3,748	3,865	3,913	3,932
EFFICACY	122.9	125.4	128.8	130.4	131.1
CRI	80				
VOLTAGE RATINGS	120-277V				

X34M/RGB	2700K	3000K	4000K	5000K	6500K
WATTAGE	60W				
INPUT WATTS	60.6W	60.0W	59.8W	59.6W	60.0W
LUMENS	7,429	7,624	8,110	8,131	7,927
EFFICACY	122.6	127.1	135.6	136.4	132.1
CRI	80				
VOLTAGE RATINGS	120-277V				

X34L/RGB	2700K	3000K	4000K	5000K	6500K
WATTAGE	90W				
INPUT WATTS	88.6W	88.7W	88.8W	88.7W	88.6W
LUMENS	10,951	11,158	11,492	11,617	11,672
EFFICACY	123.6	125.8	129.4	131	131.7
CRI	80				
VOLTAGE RATINGS	120-277V				

X34MXXLRGB	2700K	3000K	4000K	5000K	6500K
WATTAGE	160W				
INPUT WATTS	155.3W	155.1W	155.1W	155.1W	155.1W
LUMENS	19,347	19,637	20,242	20,529	20,732
EFFICACY	124.6	126.6	130.5	132.4	133.7
CRI	80				
VOLTAGE RATINGS	120-277V				

## ORDERING MATRIX

### X34

Family	Wattage	Mounting	Color Temperature	Finish	Driver
X34					
X S M	16/13/10W 35/25/20W 65/55/45W	BLANK Knuckle	BLANK 3000/4000/5000K CCT Selectable	BLANK Bronze White	BLANK 120/277V

Family	Wattage	Mounting	Color Temperature	Finish	Driver	Option
X34						
L XL XXL	90/80/70W 130/110/95W 160/140/120W	BLANK T Slipfitter Trunnion	BLANK 3000/4000/5000K CCT Selectable	BLANK Bronze White	BLANK 120-277V 0-10V Dimming	BLANK Selectable On/Off Photocell

### X34 RGBW

Family	Wattage	Mounting	Color Temperature	Finish	Driver	RGB Color Tuning
X34						/RGB
S M	30W 60W	BLANK Knuckle	BLANK 80 CRI, Tunable White 2200-6500K	BLANK Bronze White	BLANK 120-277V	/RGB 16+ million Colors

Family	Wattage	Mounting	Color Temperature	Finish	Driver	RGB Color Tuning
X34						/RGB
L XXL	90W 160W	BLANK T Slipfitter Trunnion	BLANK 80 CRI, Tunable White 2200-6500K	BLANK Bronze White	BLANK 120-277V	/RGB 16+ million Colors