X34 Field-Adjustable Floodlight

X34XS

X34S
X34S/RGB

X34M
X34M/RGB

X34L
X34L/RGB

X34XL & X34XXL
X34XXL/RGB

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. Suitable for mounting within 4 ft of the ground.
- 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

X34 Floodlight with selectable power & CCT

FIELD ADJ. XS,S & M Models

3-WAY SELECTABLE L, XL &XXL Models

100,000 HRS

BLUETOOTH

TUNABLE RGB S, M, L & XXL Models

WET RATED

IP RATING

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet locations. Suitable for mounting within 4 ft of the ground.

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	
Model#	DLC Product ID
X34XS	S-P1Q64R
X34S	S-T9KEIS
X34M	S-MZAHRW

DLC PREMIUM	
Model#	DLC Product ID
X34L	S-EZPO0W
X34XL	S-2HQ7D4
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: 0.9
X34XL: 1.1
X34XXL: 1.1

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 circuity. 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	THD @120V	PF @120V	THD @277V	PF @277V
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 120V	PF 120V	Model#	THD 120V	PF 120V
X34S/RGB			X34L/RGB		
@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			X34XXL/RGB		
@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%)

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

PERFORMANCE

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

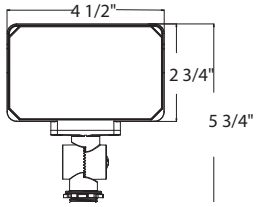
OTHER

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.

DIMENSIONS

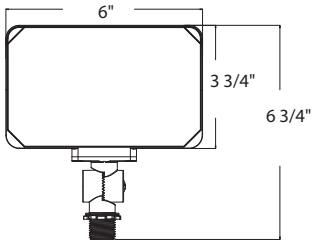
X34XS

Weight: 0.36 lbs



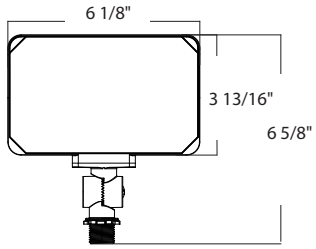
X34S

Weight: 0.6 lbs



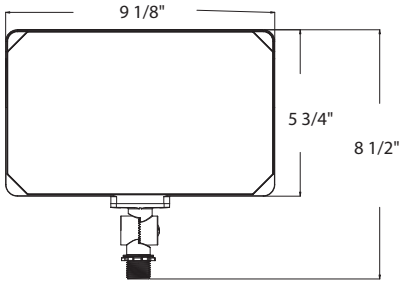
X34S/RGB

Weight: 0.6 lbs



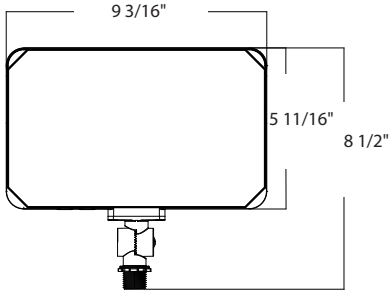
X34M

Weight: 1.23 lbs



X34M/RGB

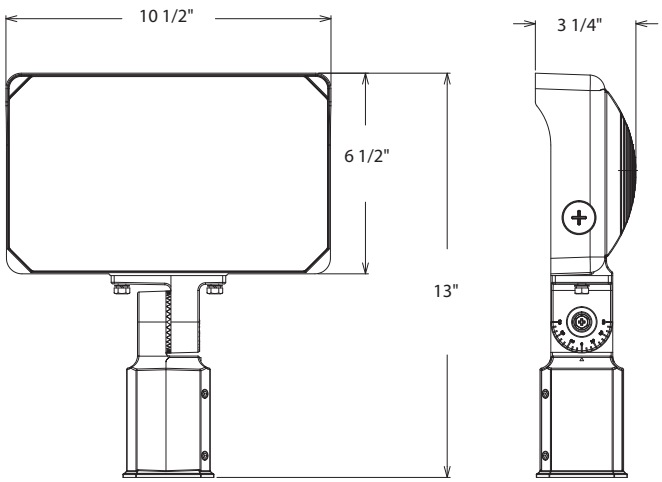
Weight: 1.23 lbs



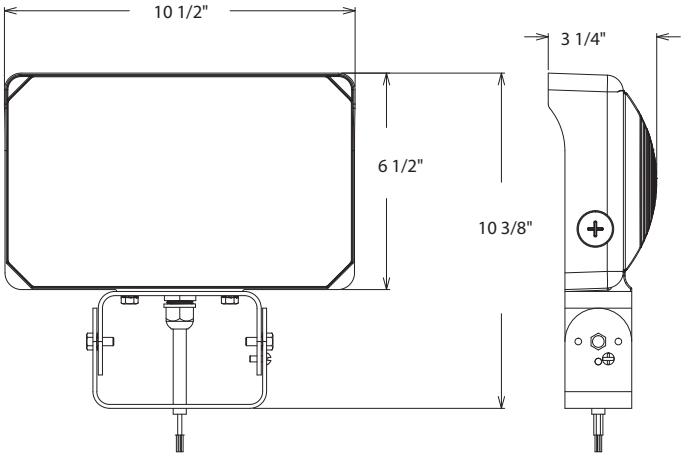
DIMENSIONS

X34L

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

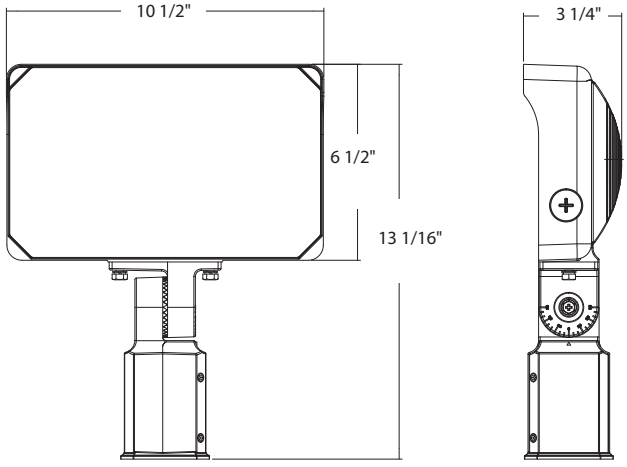


Slipfitter Mount

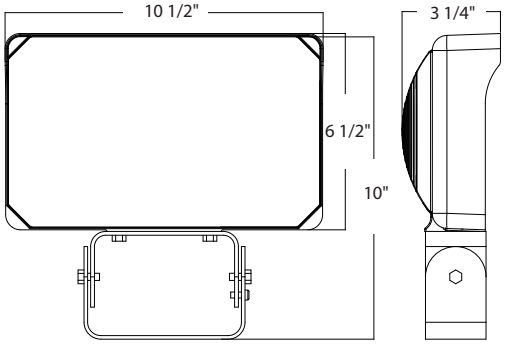


Trunnion Mount

X34L/RGB



Slipfitter Mount

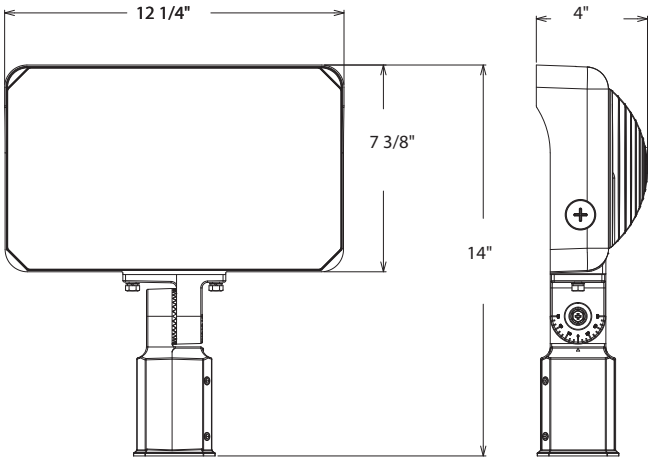


Trunnion Mount

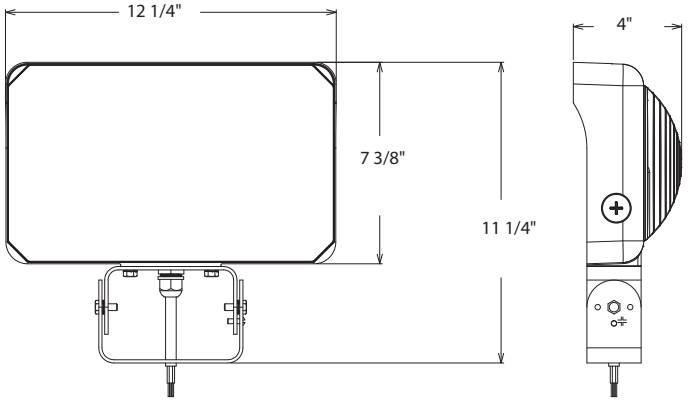
DIMENSIONS

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

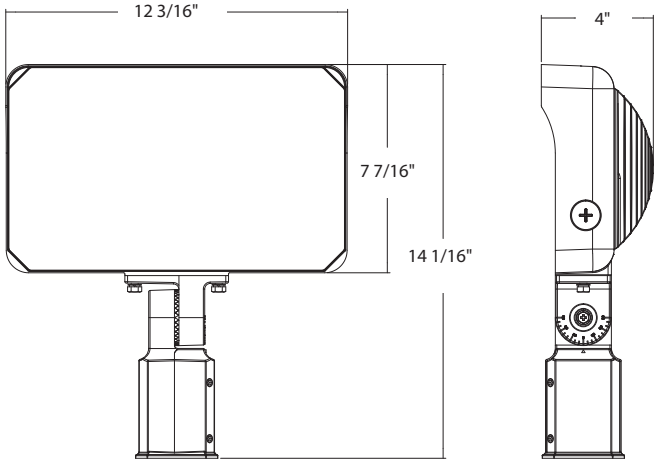


Slipfitter Mount

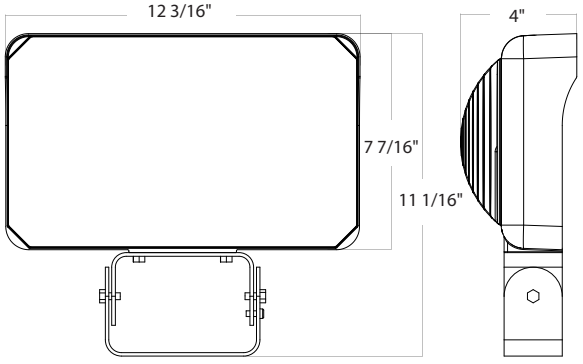


Trunnion Mount

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					
	XS 16/13/10W **S** 35/25/20W **M** 65/55/45W	**BLANK** Knuckle	**BLANK** 3000/4000/5000K CCT Selectable	**BLANK** Bronze **W** White	**BLANK** 120/277V

Family	Wattage	Mounting	Color Temperature	Finish	Driver	Option
X34						
	L 90/80/70W **XL** 130/110/95W **XXL** 160/140/120W	**BLANK** Slipfitter **T** Trunnion	**BLANK** 3000/4000/5000K CCT Selectable	**BLANK** Bronze **W** 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 30W **M** 60W	**BLANK** Knuckle	**BLANK** 80 CRI, Tunable White 2200-6500K	**BLANK** Bronze **W** White	**BLANK** 120-277V	**/RGB** 16+ million Colors

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