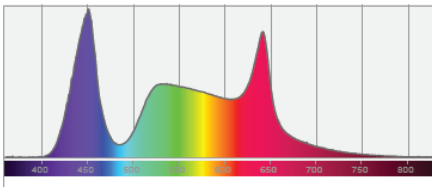
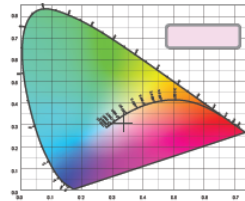


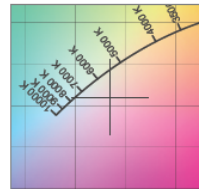
Spectral distribution



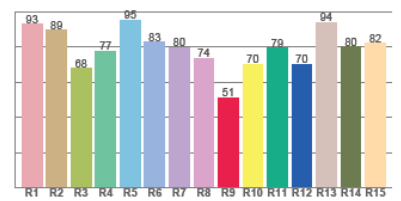
Color coordinates



Zoom color point



CRI R values



# Photometric Test Report

\*Due to additional product enhancements, an updated version of this report may be available online. Please check [www.elationlighting.com](http://www.elationlighting.com) for the latest revision/update of this report.

**Light efficiency:**

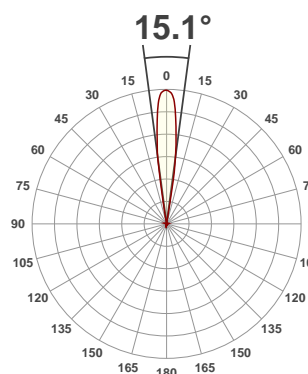
**54 Lumen/Watt**

**Light quality:**

**CRI: 91.6**

**Color temperature:**

**3110 K**



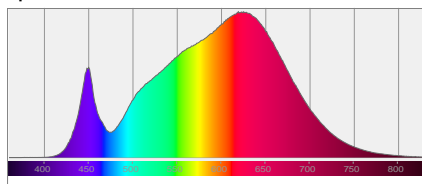
**Product name:**  
**WW Profile HP IP**

**Test:**  
**19 Deg**

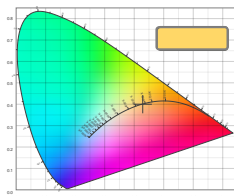
**Date:**  
**10/12/2017**

**Output: 8195 lm Power consumption: 152 W Peak: 152757 cd**

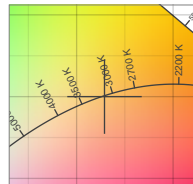
**Spectral distribution**



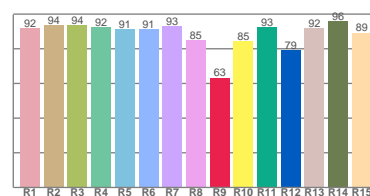
**Color coordinates**



**Zoom color point**

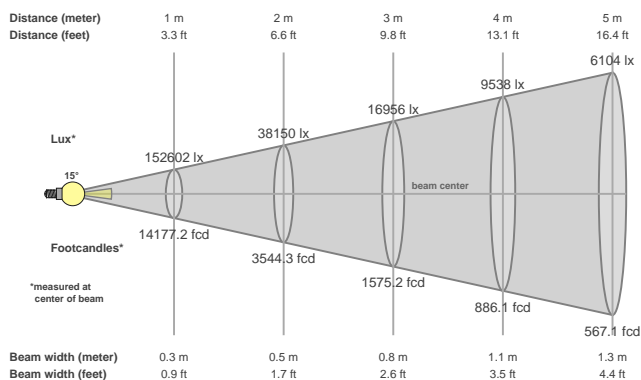


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3110 K	91.6	63.4	89.3	101.8	89.7	0.429	0.400	0.247	0.346	0.0005

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
15.1°	19°	19.9°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
152757 cd	98.2%	97.7%

**Power**

Power	Power factor	Power frequency
152 W	0.99	60 Hz

Nominal voltage	Voltage	Current
230 V	115 V	1.33 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
152602lx	38150lx	16956lx	9538lx	6104lx	4239lx	3114lx	2384lx	1884lx	1526lx	1261lx	1060lx	903lx	779lx	678lx	596lx	528lx	471lx	423lx	382lx
14177.2 fcd	3544.3 fcd	1575.2 fcd	886.1 fcd	567.1 fcd	393.8 fcd	289.3 fcd	221.5 fcd	175 fcd	141.8 fcd	117.2 fcd	98.5 fcd	83.9 fcd	72.3 fcd	63 fcd	55.4 fcd	49.1 fcd	43.8 fcd	39.3 fcd	35.4 fcd

**Light efficiency:**

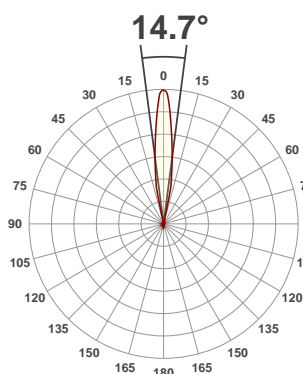
**64 Lumen/Watt**

**Light quality:**

**CRI: 91.6**

**Color temperature:**

**3113 K**



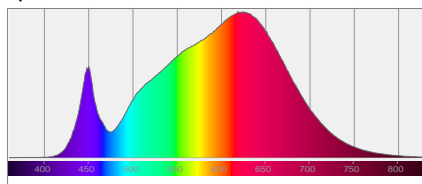
**Product name:**  
**WW Profile HP IP**

**Test:**  
**26 Deg**

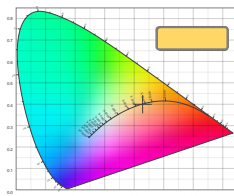
**Date:**  
**10/12/2017**

**Output: 9772 lm Power consumption: 152 W Peak: 146051 cd**

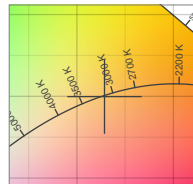
**Spectral distribution**



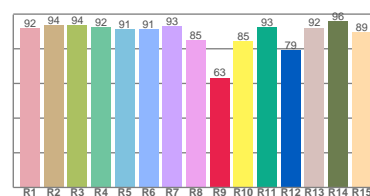
**Color coordinates**



**Zoom color point**

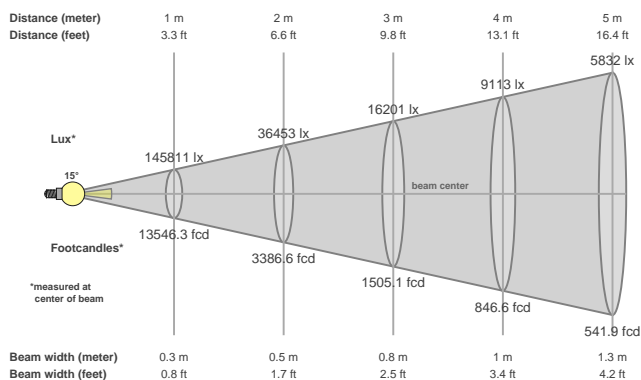


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3113 K	91.6	63.4	89.3	101.9	89.6	0.429	0.400	0.247	0.346	0.0006

**Beam details**



**Beam angels**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
14.7°	23.9°	24.8°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
146051 cd	98.1%	97.6%

**Power**

Power	Power factor	Power frequency
152 W	0.99	60 Hz

Nominal voltage	Voltage	Current
230 V	115 V	1.32 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
145811lx	36453lx	16201lx	9113lx	5832lx	4050lx	2976lx	2278lx	1800lx	1458lx	1205lx	1013lx	863lx	744lx	648lx	570lx	505lx	450lx	404lx	365lx
13546.3 fcd	3386.6 fcd	1505.1 fcd	846.6 fcd	541.9 fcd	376.3 fcd	276.5 fcd	211.7 fcd	167.2 fcd	135.5 fcd	112 fcd	94.1 fcd	80.2 fcd	69.1 fcd	60.2 fcd	52.9 fcd	46.9 fcd	41.8 fcd	37.5 fcd	33.9 fcd

**Light efficiency:**

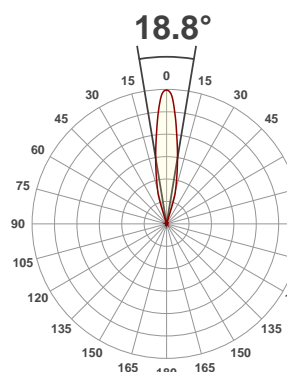
**67 Lumen/Watt**

**Light quality:**

**CRI: 91.7**

**Color temperature:**

**3132 K**



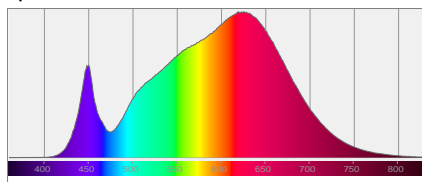
**Product name:**  
**WW Profile HP IP**

**Test:**  
**36 Deg**

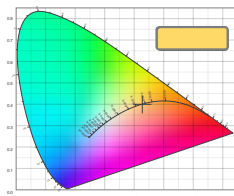
**Date:**  
**10/12/2017**

**Output: 10185 lm Power consumption: 153 W Peak: 83878 cd**

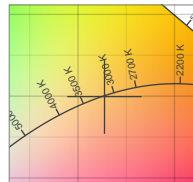
**Spectral distribution**



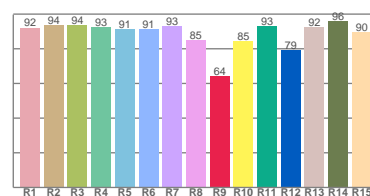
**Color coordinates**



**Zoom color point**

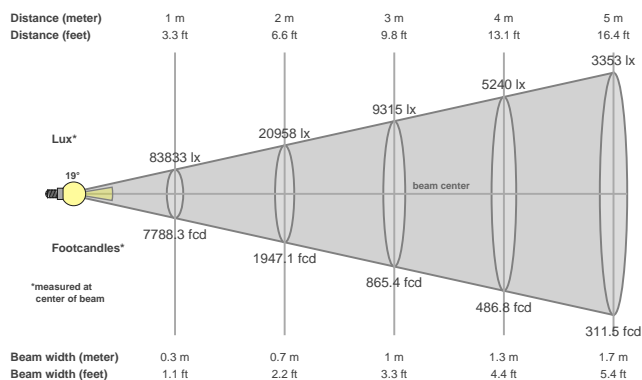


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3132 K	91.7	64.2	89.4	101.9	89.8	0.427	0.399	0.246	0.345	0.0005

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
18.8°	34.3°	35.4°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
83878 cd	98.4%	98.3%

**Power**

Power	Power factor	Power frequency
153 W	1.0	60 Hz

Nominal voltage	Voltage	Current
230 V	114 V	1.35 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
83833lx	20958lx	9315lx	5240lx	3353lx	2329lx	1711lx	1310lx	1035lx	838lx	693lx	582lx	496lx	428lx	373lx	327lx	290lx	259lx	232lx	210lx
7788.3fcd	1947.1fcd	865.4fcd	486.8fcd	311.5fcd	216.3fcd	158.9fcd	121.7fcd	96.2fcd	77.9fcd	64.4fcd	54.1fcd	46.1fcd	39.7fcd	34.6fcd	30.4fcd	26.9fcd	24fcd	21.6fcd	19.5fcd

**Light efficiency:**

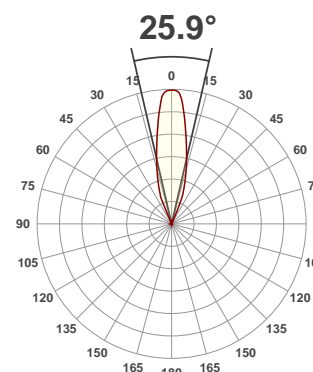
**73 Lumen/Watt**

**Light quality:**

**CRI: 91.7**

**Color temperature:**

**3123 K**



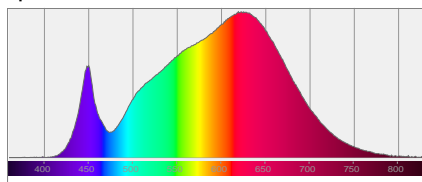
**Product name:**  
**WW Profile HP IP**

**Test:**  
**50 Deg**

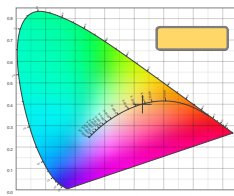
**Date:**  
**10/12/2017**

**Output: 11157 lm Power consumption: 152 W Peak: 48462 cd**

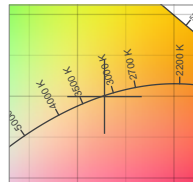
**Spectral distribution**



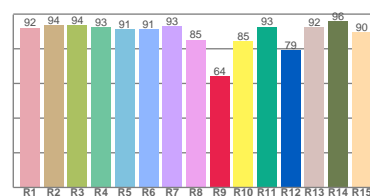
**Color coordinates**



**Zoom color point**

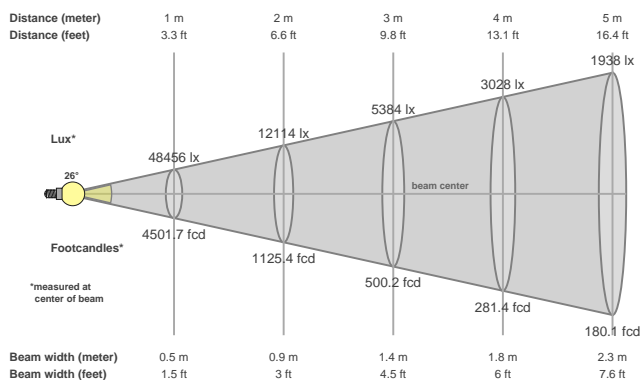


**CRI R values**



Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color divition from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3123 K	91.7	64.3	89.4	102.0	89.7	0.428	0.400	0.247	0.345	0.0005

**Beam details**



**Beam angles**

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
25.9°	45.9°	47.2°

**Beam intensities**

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
48462 cd	97.5%	96.8%

**Power**

Power	Power factor	Power frequency
152 W	1.0	60 Hz

Nominal voltage	Voltage	Current
230 V	113 V	1.35 A

**Beam intensities from 1-20m**

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
48456lx	12114lx	5384lx	3028lx	1938lx	1346lx	989lx	757lx	598lx	485lx	400lx	336lx	287lx	247lx	215lx	189lx	168lx	150lx	134lx	121lx
4501.7fcd	1125.4fcd	500.2fcd	281.4fcd	180.1fcd	125fcd	91.9fcd	70.3fcd	55.6fcd	45fcd	37.2fcd	31.3fcd	26.6fcd	23fcd	20fcd	17.6fcd	15.6fcd	13.9fcd	12.5fcd	11.3fcd