

VL3600 PROFILE IP – PHOTOMETRIC DATA REPORT



Luminaire source specifications

Easy Swap Engine - LED SYSTEM	Monochromatic Light Engine
Source Max Power	1000 W
Source Lumens	85,000 lm
Source CCT	7500 K

Luminaire output performance

Zoom Range	5.5 – 50°
Lens Size	180 mm (7.0 in)
Max output Lumens (Spherical Measurements)	Standard – 45,000 CRI Boost – 36,000
Max output angle	49.7° (focused gate)
Source CCT	7500 K
CRI RA (Average)	Standard – 72 CRI Boost - 93
TM30	Standard – Rf 68 / Rg93 CRI Boost - Rf 87 / Rg102

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VL3600 PROFILE IP

► Photometric Data(Minimum angle, no CRI Boost)

Luminaire specifications

Optical system: Zoom range from 4.2 to 47 degree @50%
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree
CRI: 70.2(Ra)
CCT: 6603K
Tm30: Rf/71 Rg/93

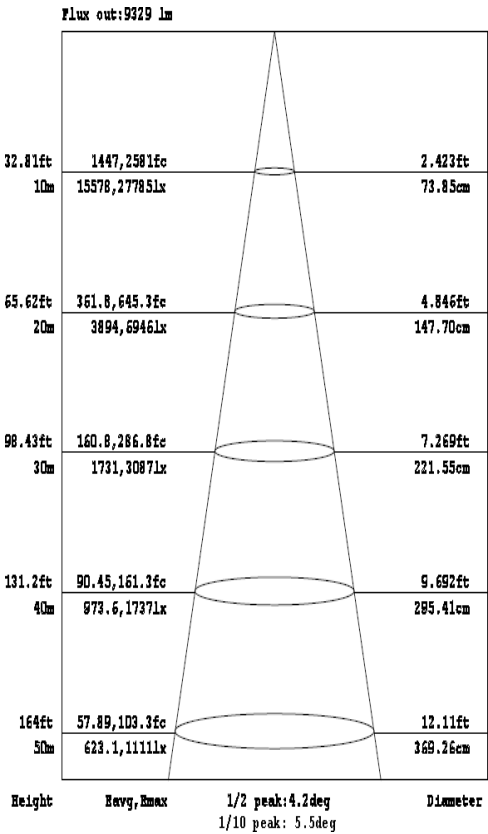
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (no CRI)	268000	128000	73000	33200
	fc	fc	fc	fc
	24899	11892	6782	3085

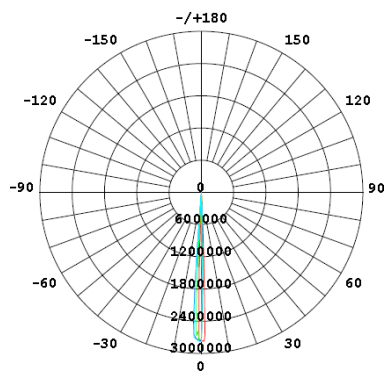
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (no CRI)	17093	1290	13

Full intensity in Full on(no CRI)

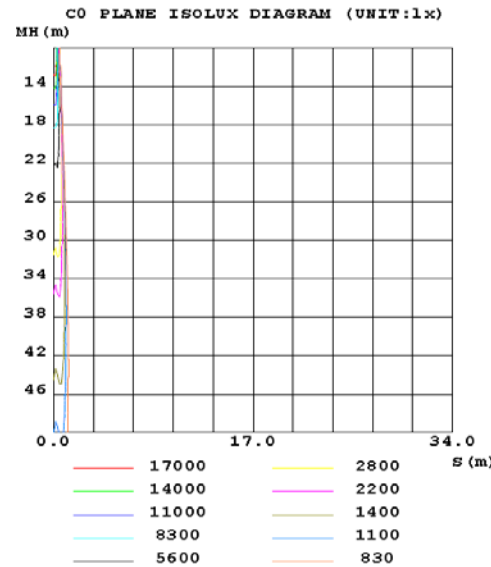


Light distribution



Measured on: Full on(no CRI)
Beam center: 2778495 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree

Isolux diagram (Unit: lx)



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VL3600 PROFILE IP

► Photometric Data(Minimum angle, with CRI Boost)

Luminaire specifications

Optical system: Zoom range from 5.2 to 46.9 degree @50%
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree
CRI: 90.3(Ra)
CCT: 5449K
Tm30: Rf/92 Rg/98

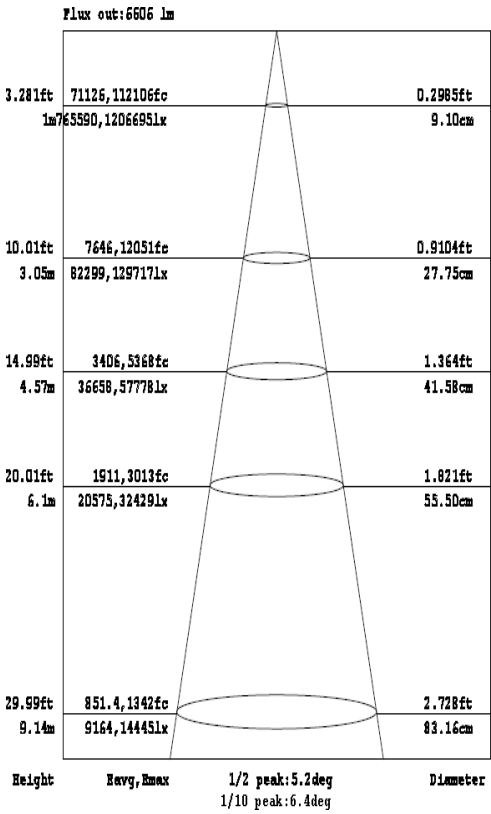
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (CRI Boost)	130000	48700	31300	12300
	fc	fc	fc	fc
	12078	5425	2908	1143

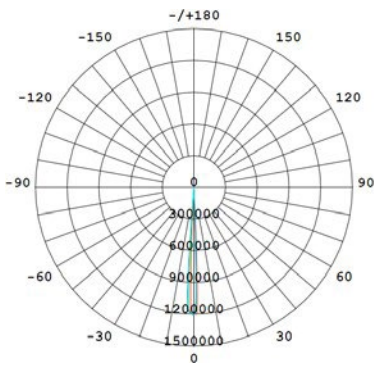
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (w/ CRI)	7369	1290	6

Full intensity in Full on(with CRI)

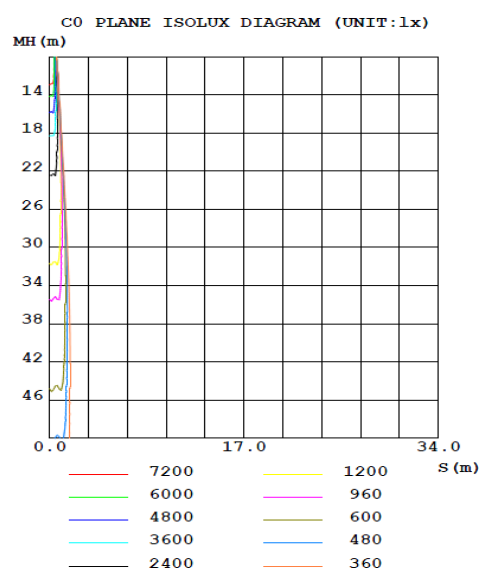


Light distribution



Measured on: Full on(with CRI)
Beam center: 1206833 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Minimum angle, 3200K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47.1 degree @50%
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree
CRI: 74.1(Ra)
CCT: 3185K
Tm30: Rf/73 Rg/98

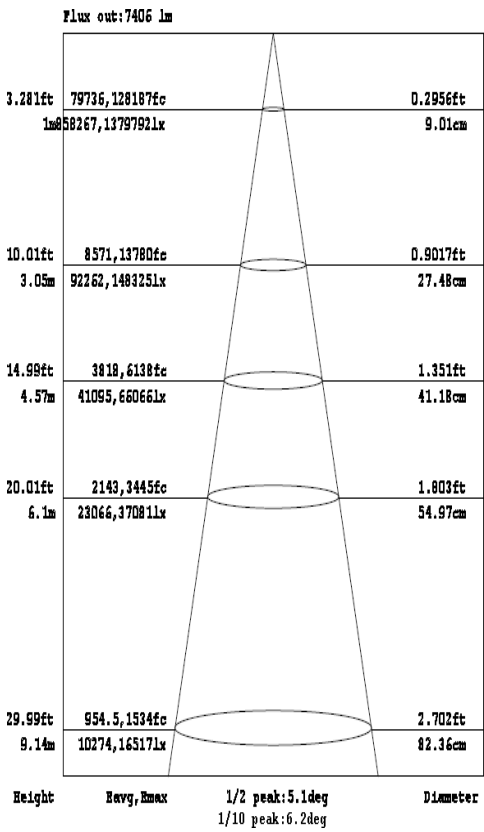
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (3200K)	147000	62000	35600	15500
	fc	fc	fc	fc
	13660	5760	3308	1440

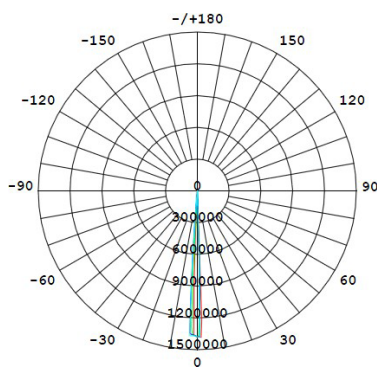
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (3200K)	9683	1290	8

Full intensity in Full on(3200K)

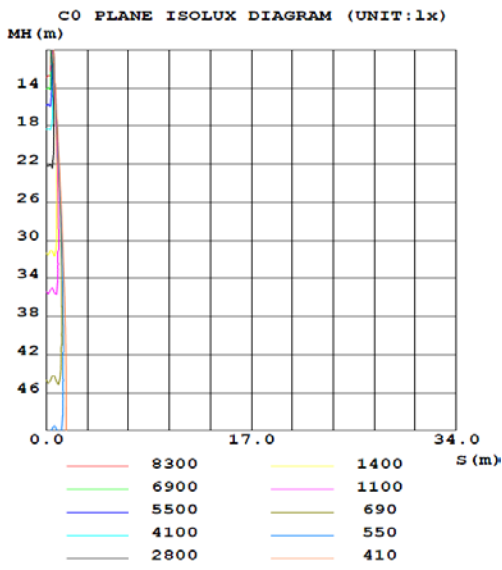


Light distribution



Measured on: Full on(3200K)
Beam center: 1380423 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Minimum angle, 5600K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47 degree @50%
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree
CRI: 72.6(Ra)
CCT: 5608K
Tm30: Rf/73 Rg/95

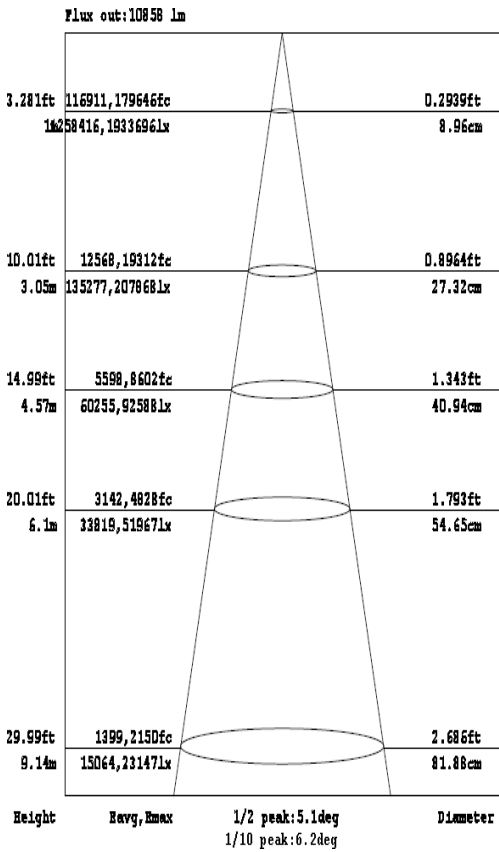
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (5600K)	208000	96300	55400	24300
	fc	fc	fc	fc
	19234	8947	5147	2258

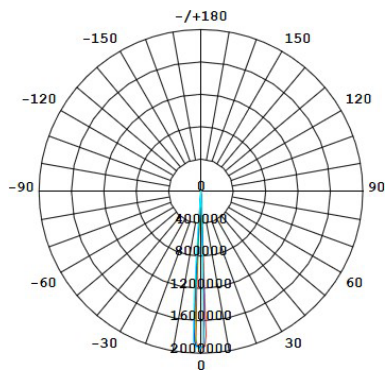
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (5600K)	12160	1290	9

Full intensity in Full on(5600K)

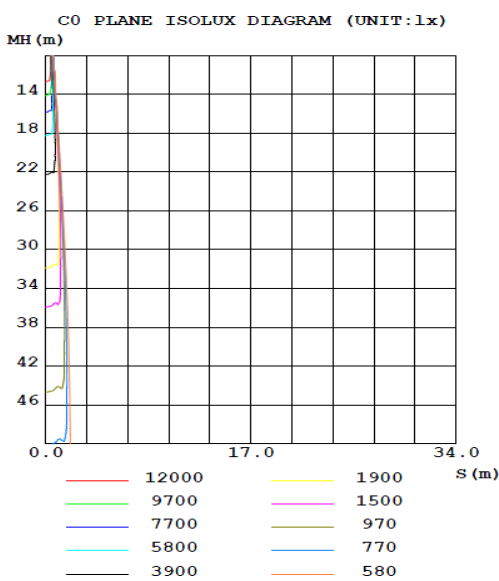


Light distribution



Measured on: Full on(5600K)
Beam center: 1934365 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 5.0 degree
Field angle(10%): 5.5 degree

Isolux diagram (Unit: lx)



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VL3600 PROFILE IP

► Photometric Data(Medium angle, no CRI Boost)

Luminaire specifications

Optical system: Zoom range from 4.2 to 47 degree @50%
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree
CRI: 70.2(Ra)
CCT: 6603K
Tm30: Rf/71 Rg/93

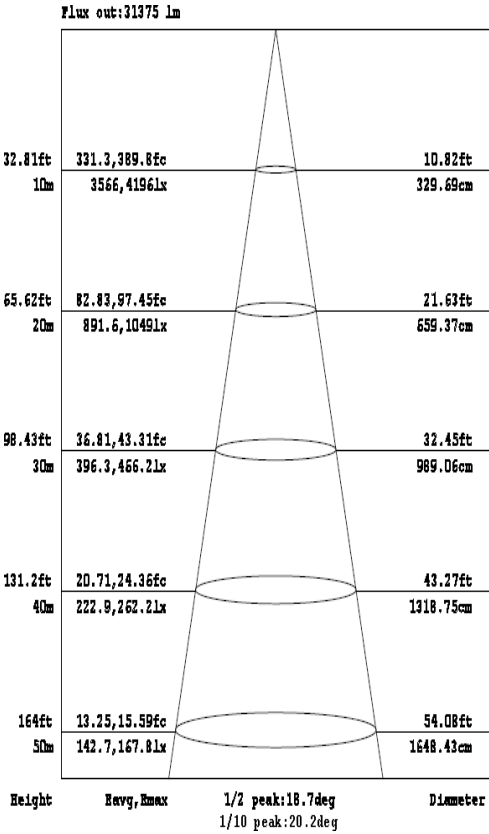
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (No CRI)	40100	18800	10900	5080
	fc	fc	fc	Fc
	3726	1747	1013	4

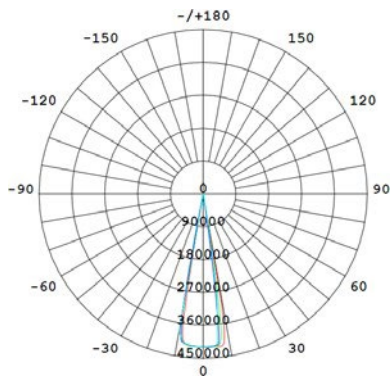
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (no CRI)	40589	1290	31

Full intensity in Full on(no CRI)

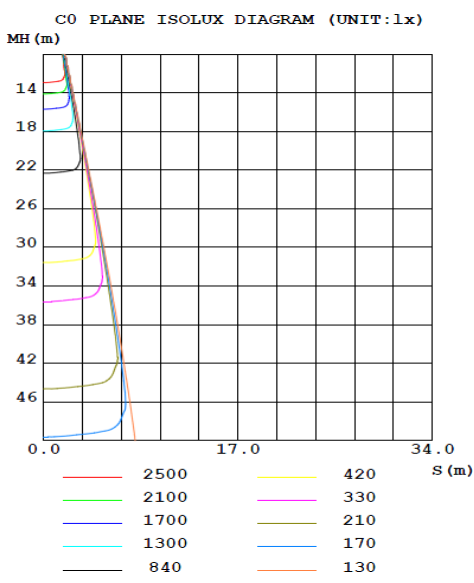


Light distribution



Measured on: Full on(no CRI)
Beam center: 420608 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Medium angle, with CRI Boost)

Luminaire specifications

Optical system: Zoom range from 5.2 to 46.9 degree @50%

Beam angle(50%): 18.7 degree

Field angle(10%): 20.2 degree

CRI: 90.3(Ra)

CCT: 5449K

Tm30: Rf/92 Rg/98

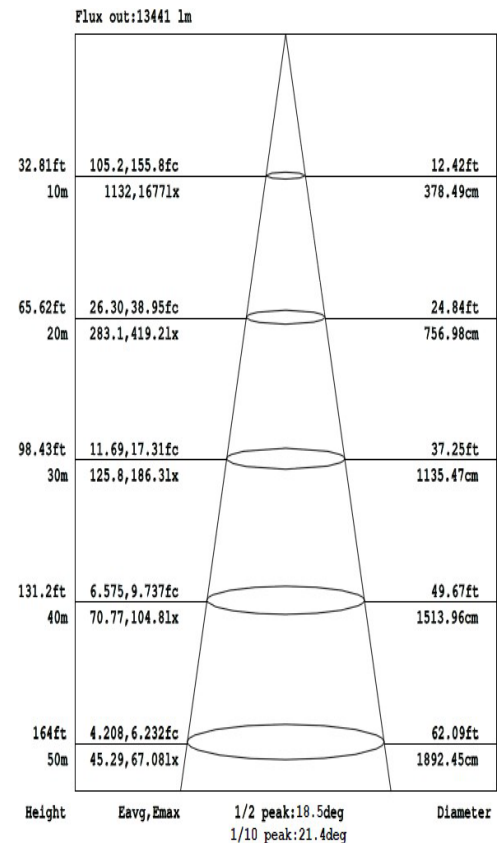
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (CRI Boost)	16500	7700	4510	2100
	fc	fc	fc	Fc
	1533	716	419	196

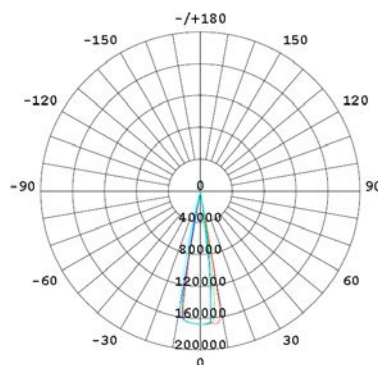
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (w/ CRI)	15835	1290	12

Full intensity in Full on(with CRI)

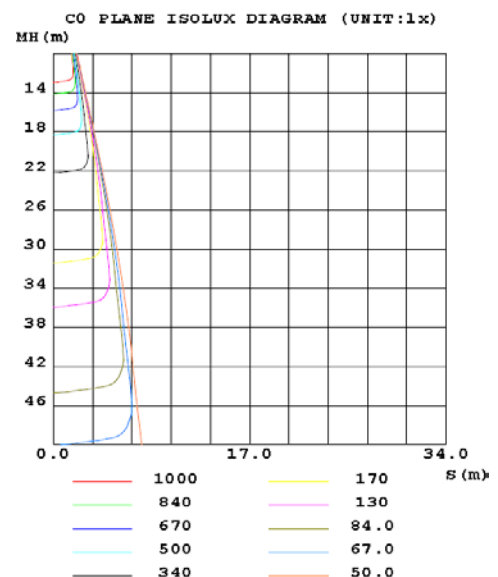


Light distribution



Measured on: Full on(with CRI)
 Beam center: 167692 cd
 Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Medium angle, 3200K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47.1 degree @50%
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree
CRI: 74.1(Ra)
CCT: 3185K
Tm30: Rf/73 Rg/98

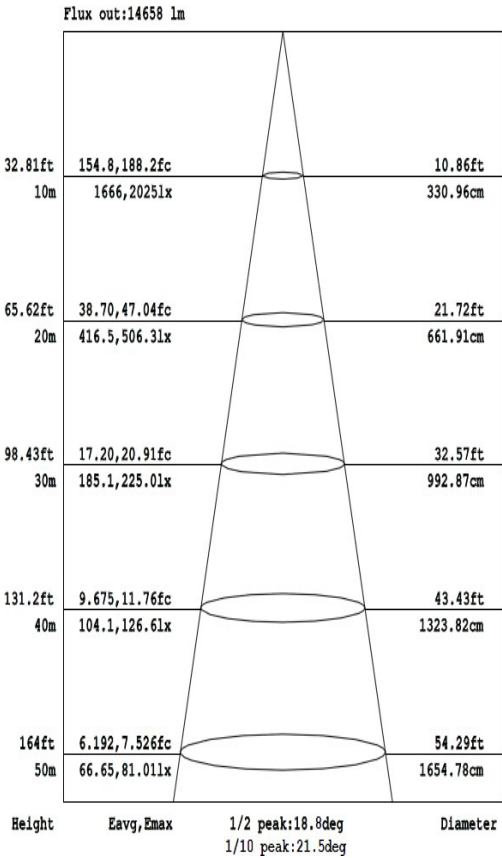
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (3200K)	19300	9040	5240	2500
	fc	fc	fc	Fc
	1794	840	487	233

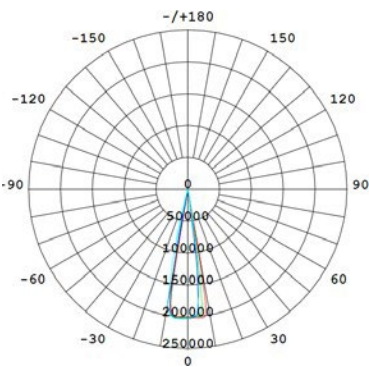
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (3200K)	18975	1290	15

Full intensity in Full on(3200K)

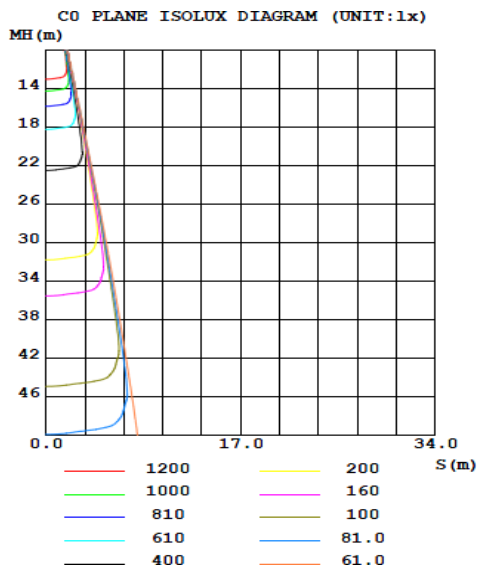


Light distribution



Measured on: Full on(3200K)
Beam center: 204313 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Medium angle, 5600K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47 degree @50%

Beam angle(50%): 18.7 degree

Field angle(10%): 20.2 degree

CRI: 72.6(Ra)

CCT: 5608K

Tm30: Rf/73 Rg/95

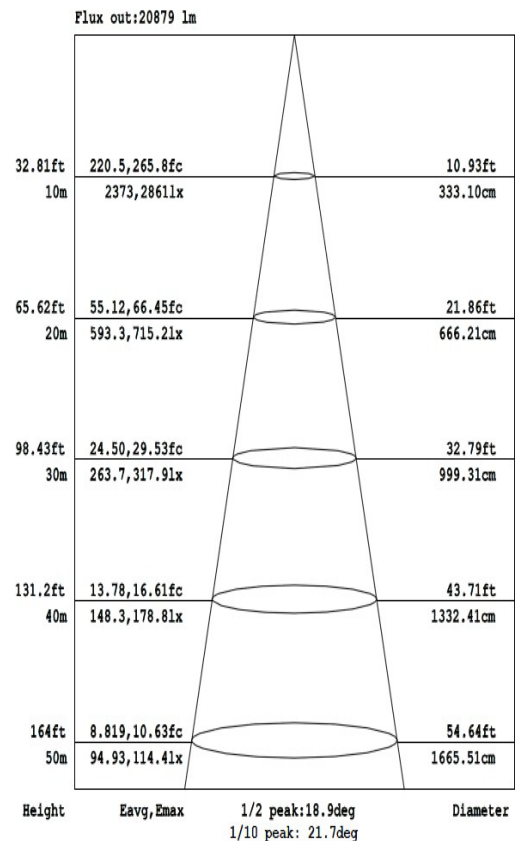
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (5600K)	29200	13800	7900	3800
	fc	fc	fc	Fc
	2713	1283	734	261

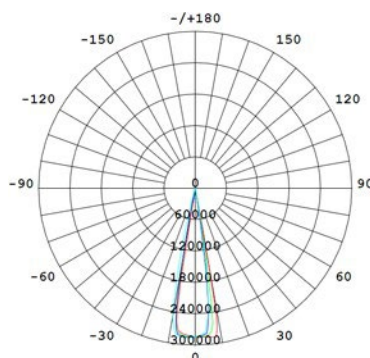
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (5600K)	26952	1290	21

Full intensity in Full on(5600K)

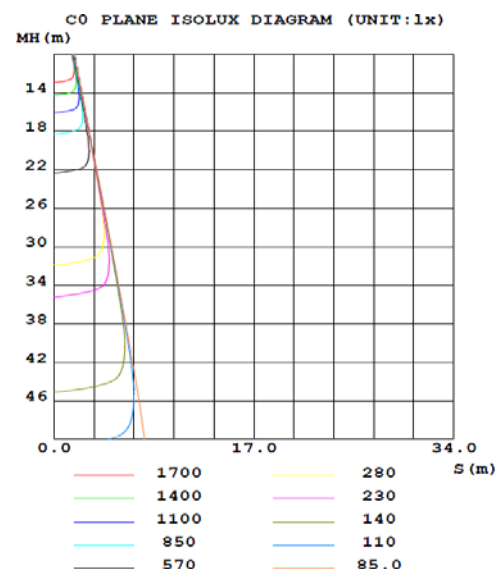


Light distribution



Measured on: Full on(5600K)
 Beam center: 288763 cd
 Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 18.7 degree
Field angle(10%): 20.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Maximum angle, no CRI Boost)

Luminaire specifications

Optical system: Zoom range from 4.2 to 47 degree @50%

Beam angle(50%): 50.0 degree

Field angle(10%): 51.2 degree

CRI: 70.2(Ra)

CCT: 6603K

Tm30: Rf/71 Rg/93

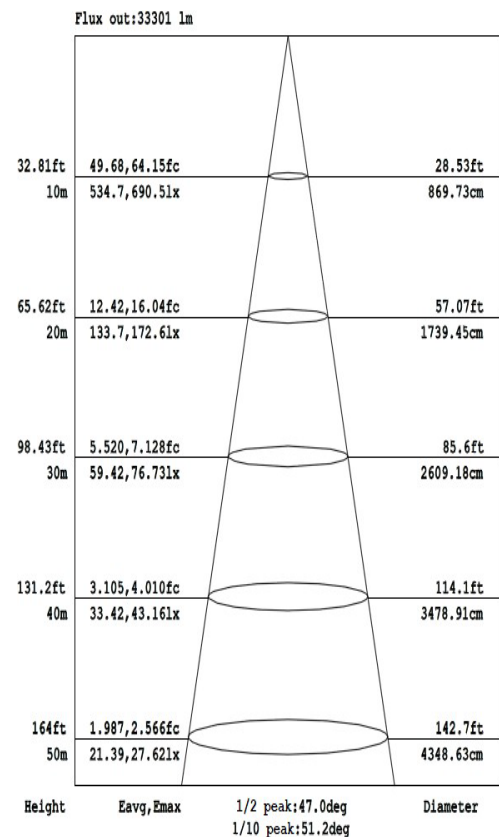
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (no CRI)	7300	3300	2040	1160
	fc	fc	fc	Fc
	679	307	190	108

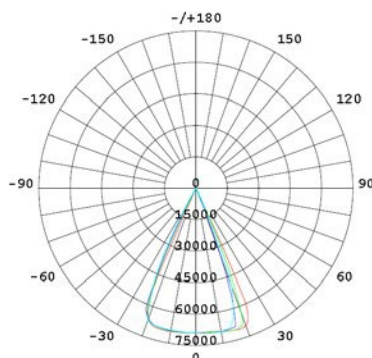
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (no CRI)	38419	1290	30

Full intensity in Full on(no CRI)



Light distribution



Measured on: Full on(no CRI)

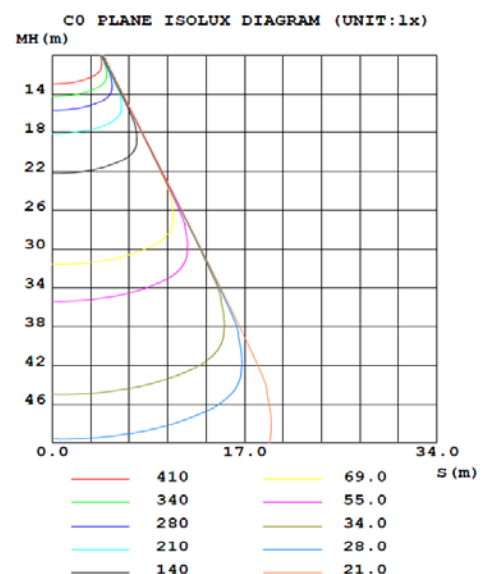
Beam center: 70578 cd

Thin dashed lined: Indicates 50% of Peak

Beam angle(50%): 50.0 degree

Field angle(10%): 51.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Maximum angle, with CRI Boost)

Luminaire specifications

Optical system: Zoom range from 5.2 to 46.9 degree @50%
Beam angle(50%): 50.0 degree
Field angle(10%): 51.2 degree
CRI: 90.3(Ra)
CCT: 5449K
Tm30: Rf/92 Rg/98

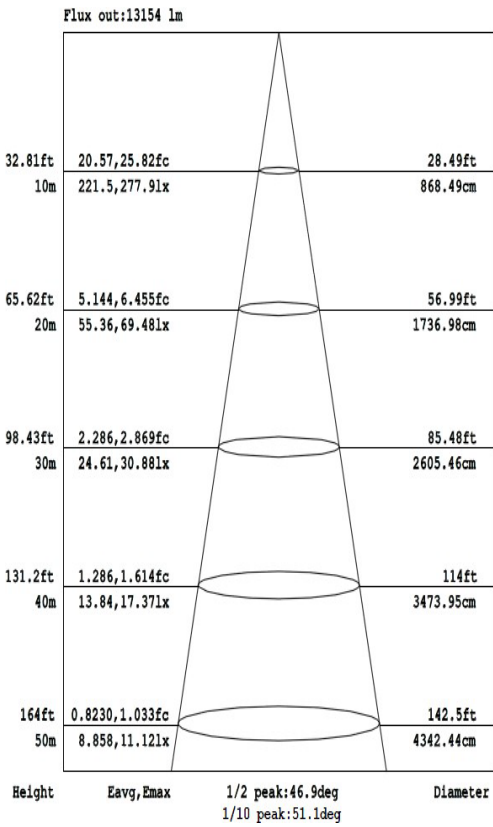
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (CRI Boost)	3080	1390	876	504
	fc	fc	fc	Fc
	287	130	82	47

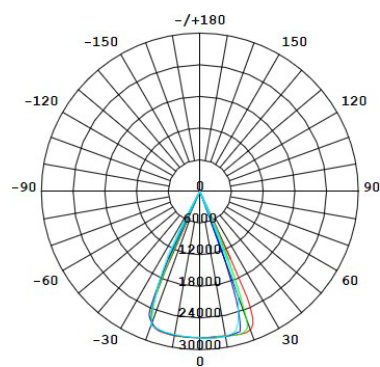
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (w/ CRI)	14957	1290	12

Full intensity in Full on(with CRI)

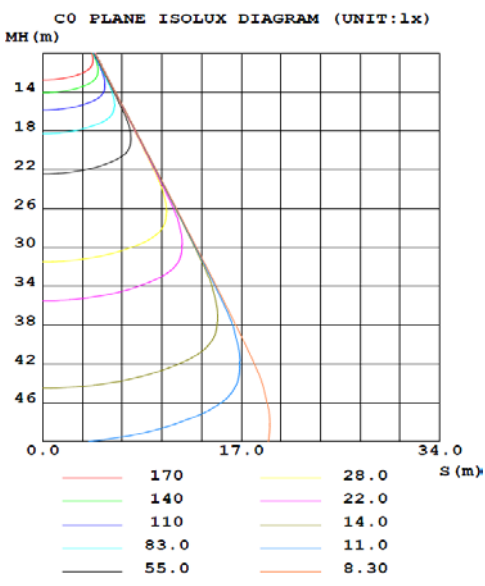


Light distribution



Measured on: Full on(with CRI)
Beam center: 28221 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 50.0 degree
Field angle(10%): 51.2 degree

Isolux diagram (Unit: lx)



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VL3600 PROFILE IP

► Photometric Data(Maximum angle, 3200K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47.1 degree @50%

Beam angle(50%): 50.0 degree

Field angle(10%): 51.2 degree

CRI: 74.1(Ra)

CCT: 3185K

Tm30: Rf/73 Rg/98

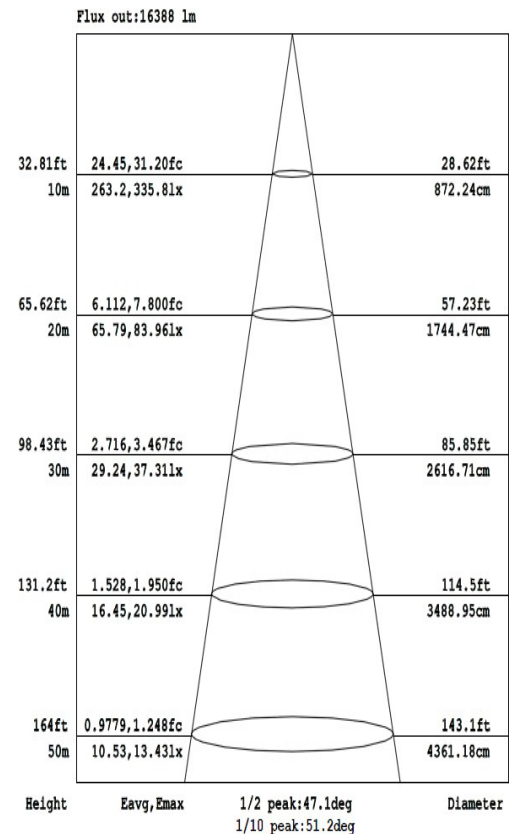
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (3200K)	3570	1610	997	580
	fc	fc	fc	Fc
	332	150	93	54

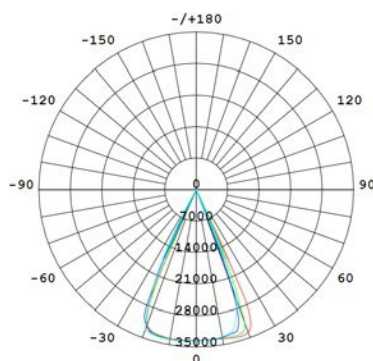
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (3200K)	18066	1290	14

Full intensity in Full on(3200K)

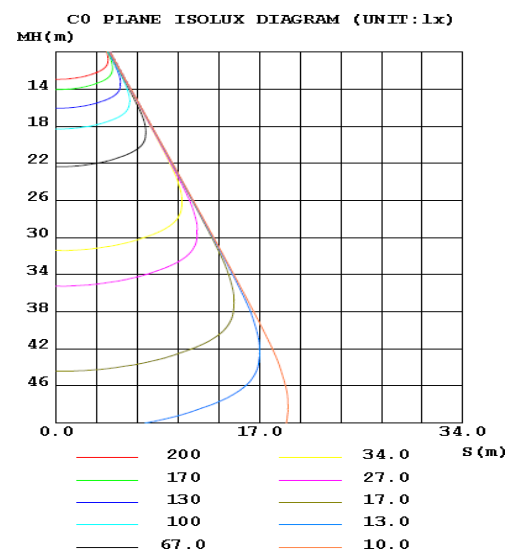


Light distribution



Measured on: Full on(3200K)
 Beam center: 34139 cd
 Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 50.0 degree
Field angle(10%): 51.2 degree

Isolux diagram (Unit: lx)



VL3600 PROFILE IP

► Photometric Data(Maximum angle, 5600K)

Luminaire specifications

Optical system: Zoom range from 5.1 to 47 degree @50%
Beam angle(50%): 50.0 degree
Field angle(10%): 51.2 degree
CRI: 72.6(Ra)
CCT: 5608K
Tm30: Rf/73 Rg/95

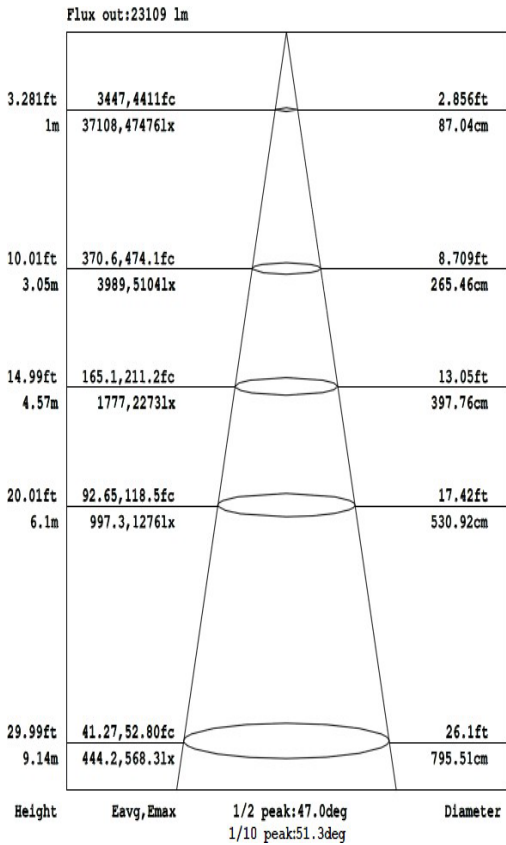
Illuminance

DISTANCE	3m / 10ft	4.5m / 5ft	6m / 20ft	9m / 30ft
COLOR	Lux	Lux	Lux	Lux
Full on (5600K)	5430	2470	1520	905
	fc	fc	fc	Fc
	505	230	142	85

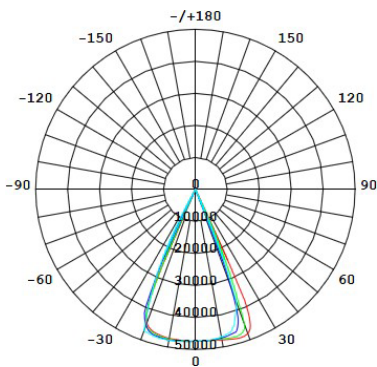
Light output

COLOR	Total(lumens)	Power(watts)	Efficacy(lm/w)
Full on (5600K)	23886	1290	19

Full intensity in Full on(5600K)

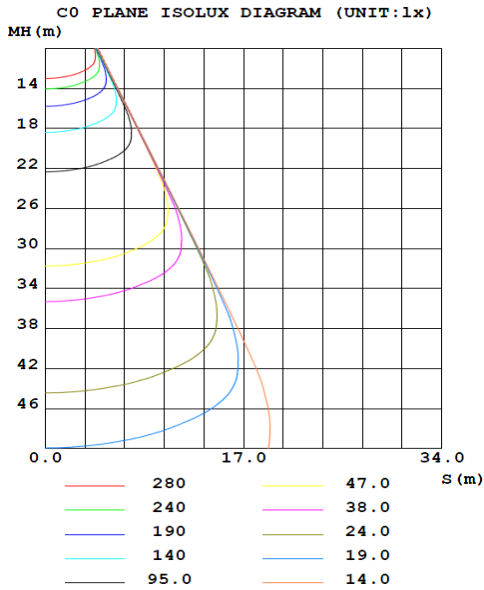


Light distribution



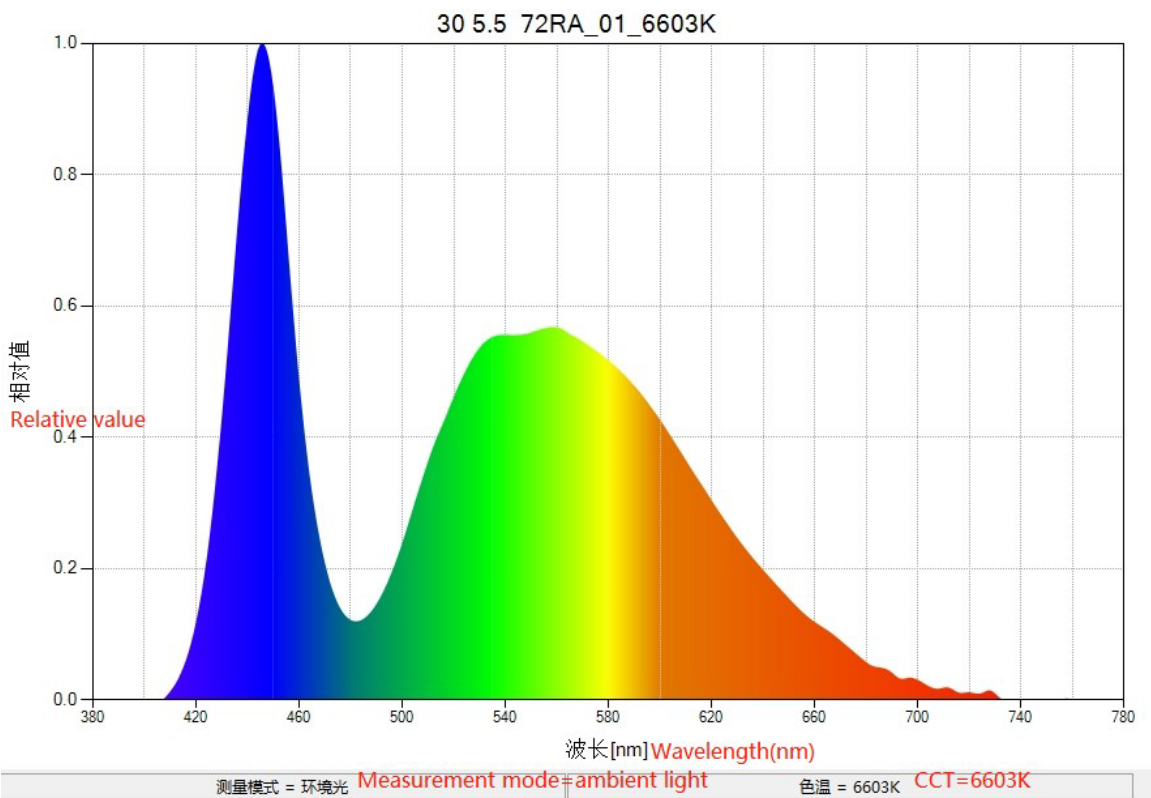
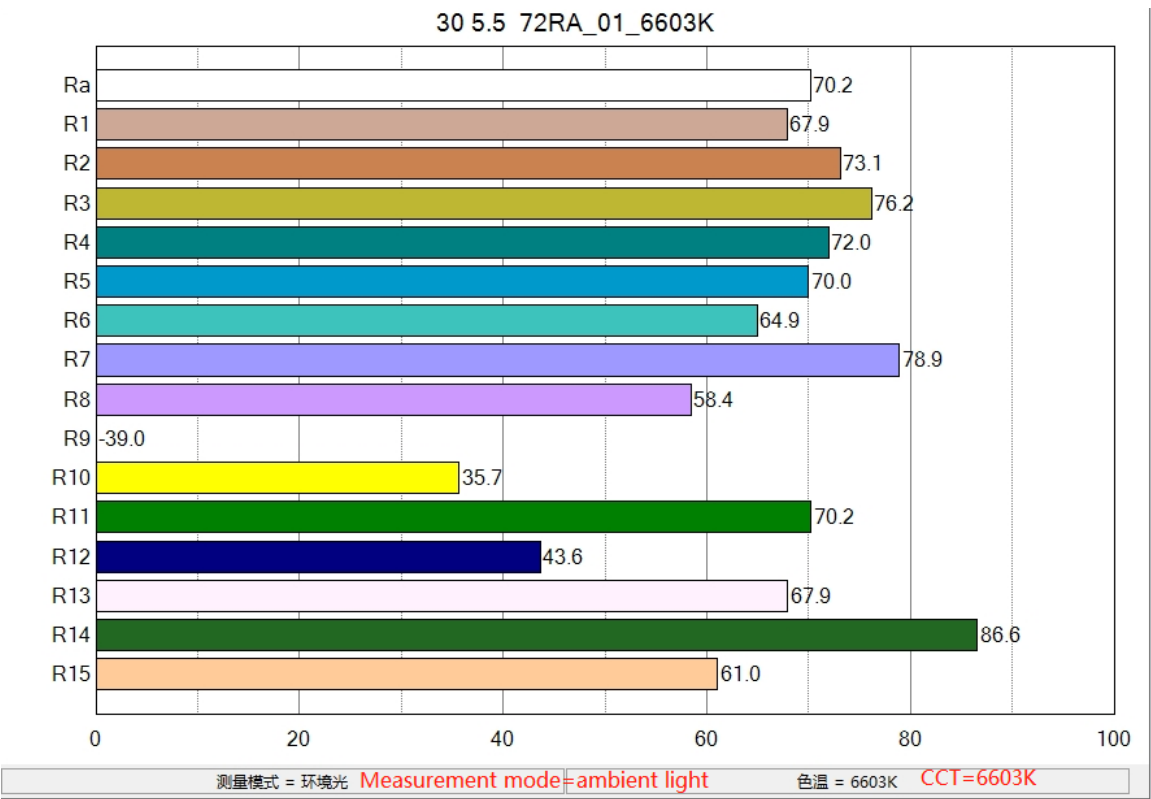
Measured on: Full on(5600K)
Beam center: 48465 cd
Thin dashed lined: Indicates 50% of Peak
Beam angle(50%): 50.0 degree
Field angle(10%): 51.2 degree

Isolux diagram (Unit: lx)



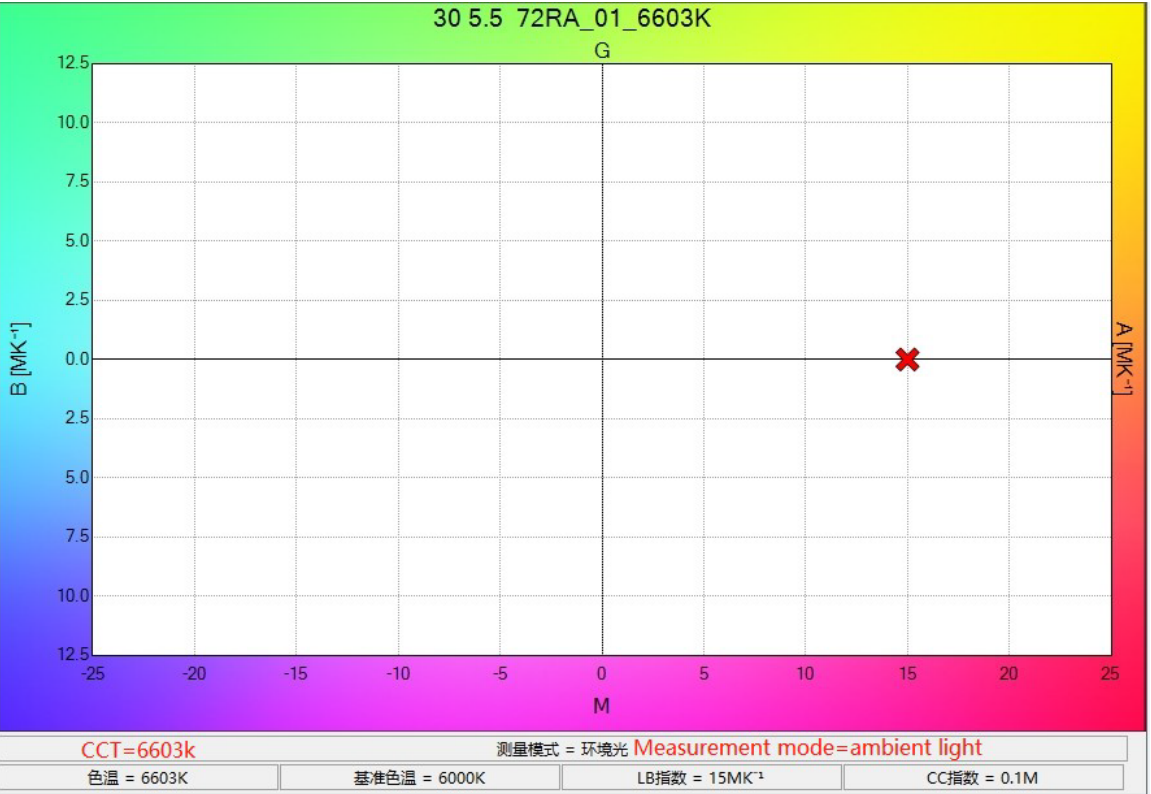
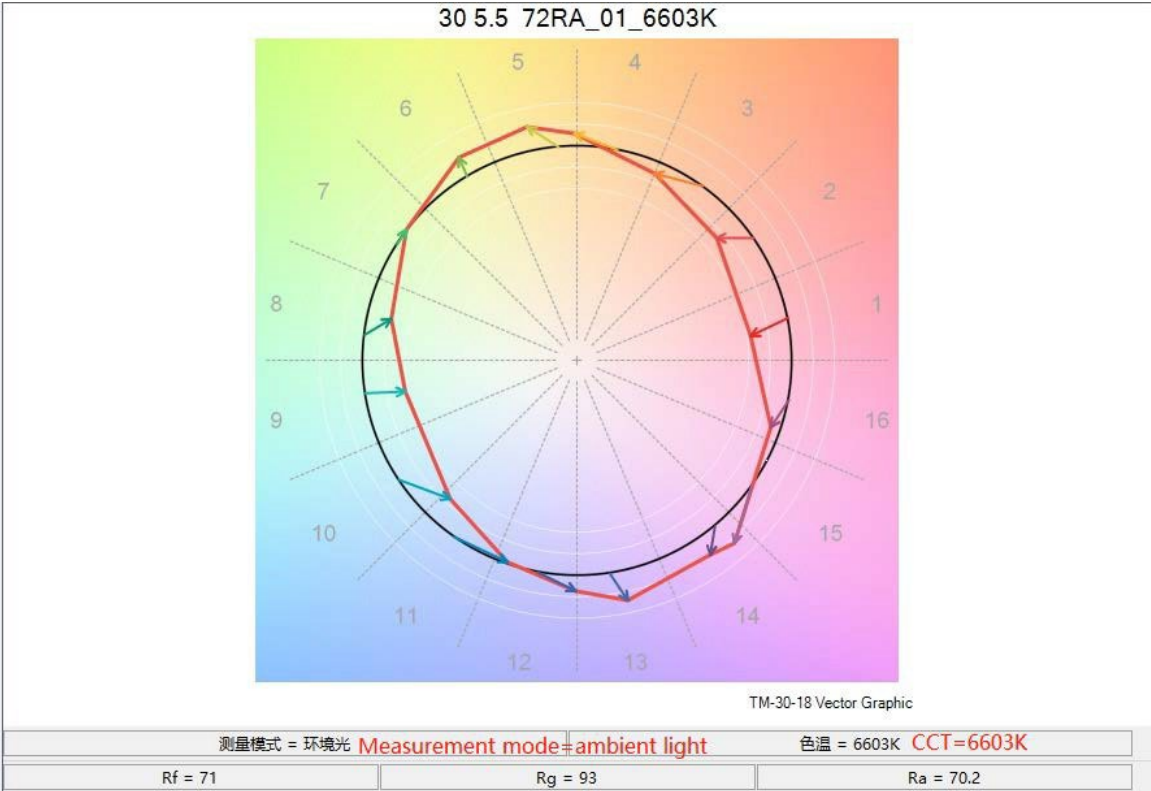
VL3600 PROFILE IP

Full on, no CRI Boost



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VL3600 PROFILE IP



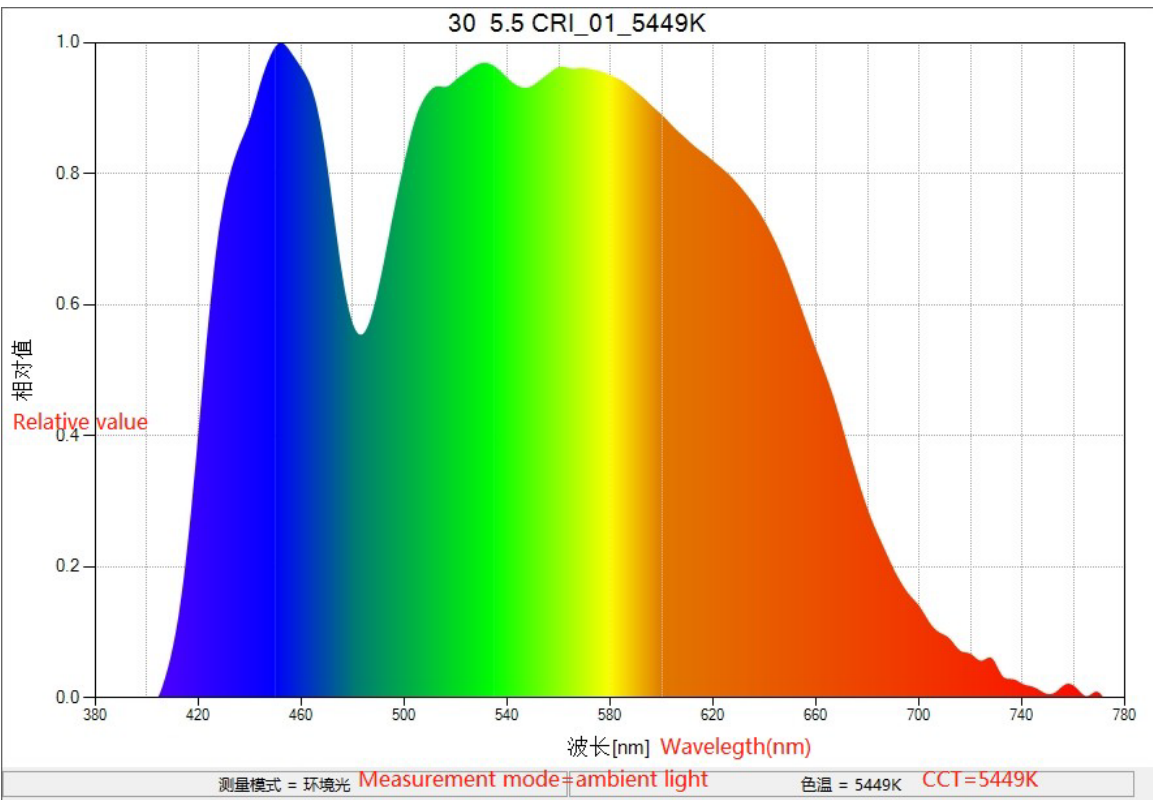
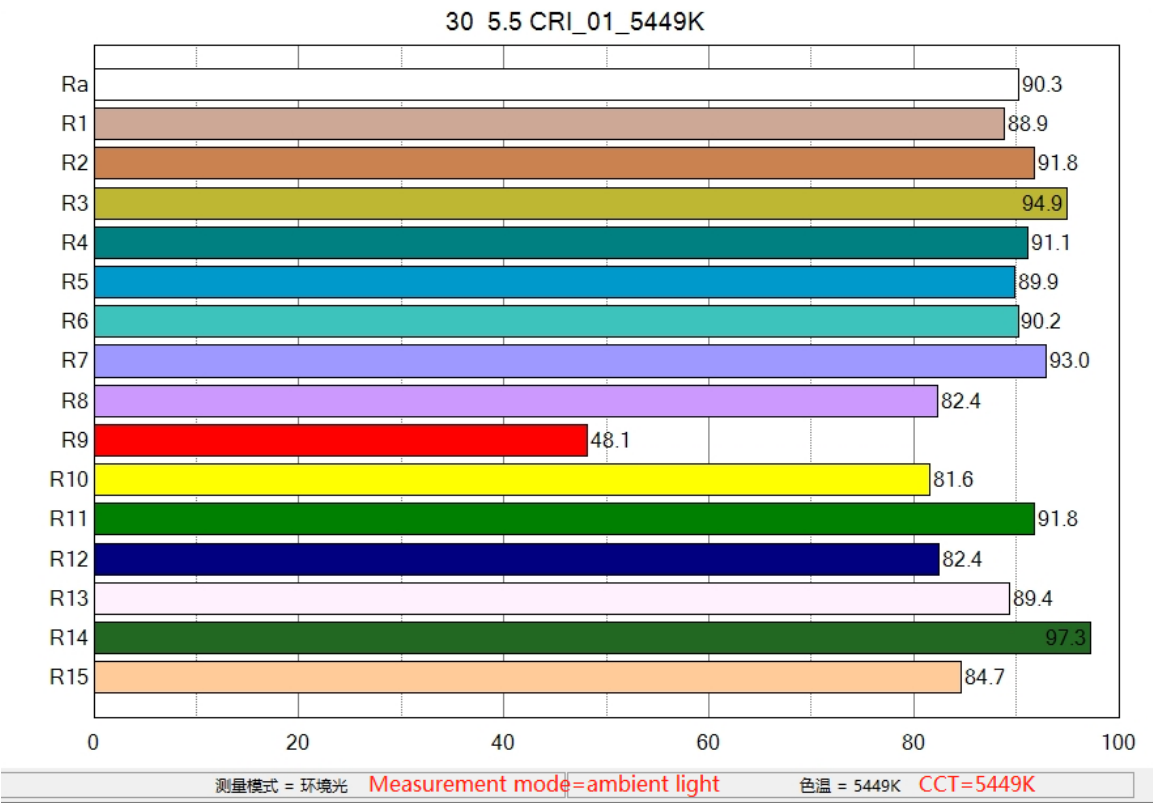
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Measurement mode ambient light
Color space/white point: HSI D65
CCT [K] 6603
Δuv 0.0045
Lux [lx] 33200
Lux [fc] 3080
Benchmark color temperature[[K] 6000
LB Index [MK^{-1}] 15
LB Camera Filter 81A
LB Color Filter -----
CC Index 0.1M
CC# 0.3M
CC Camera Filter CC05M CC025M
CC Color Filter L279 1/8 MINUS G
CRI Ra 70.2
CRI R1 67.9
CRI R2 73.1
CRI R3 76.2
CRI R4 72
CRI R5 70
CRI R6 64.9
CRI R7 78.9
CRI R8 58.4
CRI R9 -39
CRI R10 35.7
CRI R11 70.2
CRI R12 43.6
CRI R13 67.9
CRI R14 86.6
CRI R15 61
TM-30-18 Rf 71
TM-30-18 Rg 93
SSIt 23
SSId 54
SSI1 ---
SSI2 ---
TLCI 46
TLMF ---
CIE1931 x 0.3108
CIE1931 y 0.3297
Hue 166deg
Saturation 1%

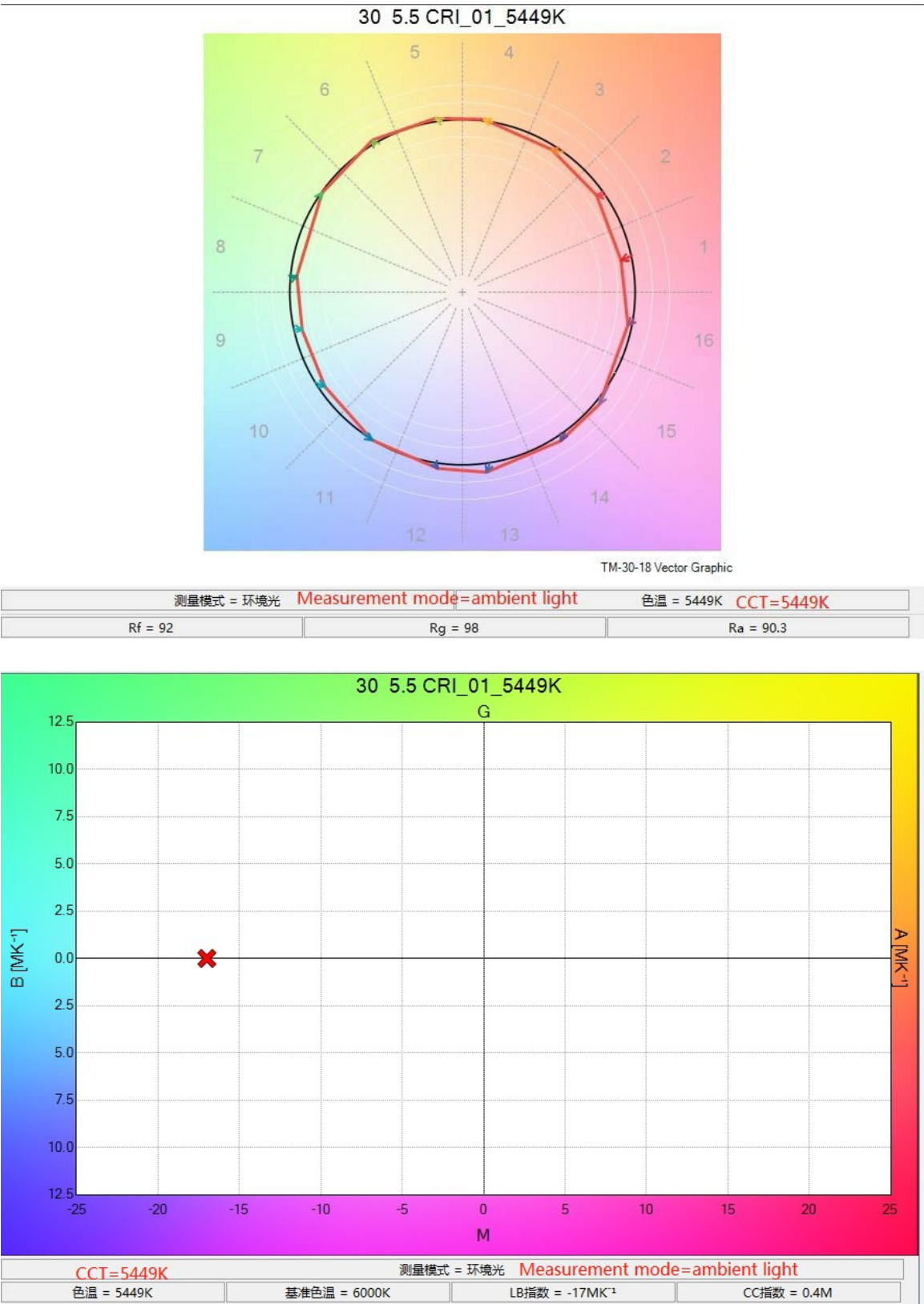
VL3600 PROFILE IP

Full on(CRI Boost)



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VL3600 PROFILE IP



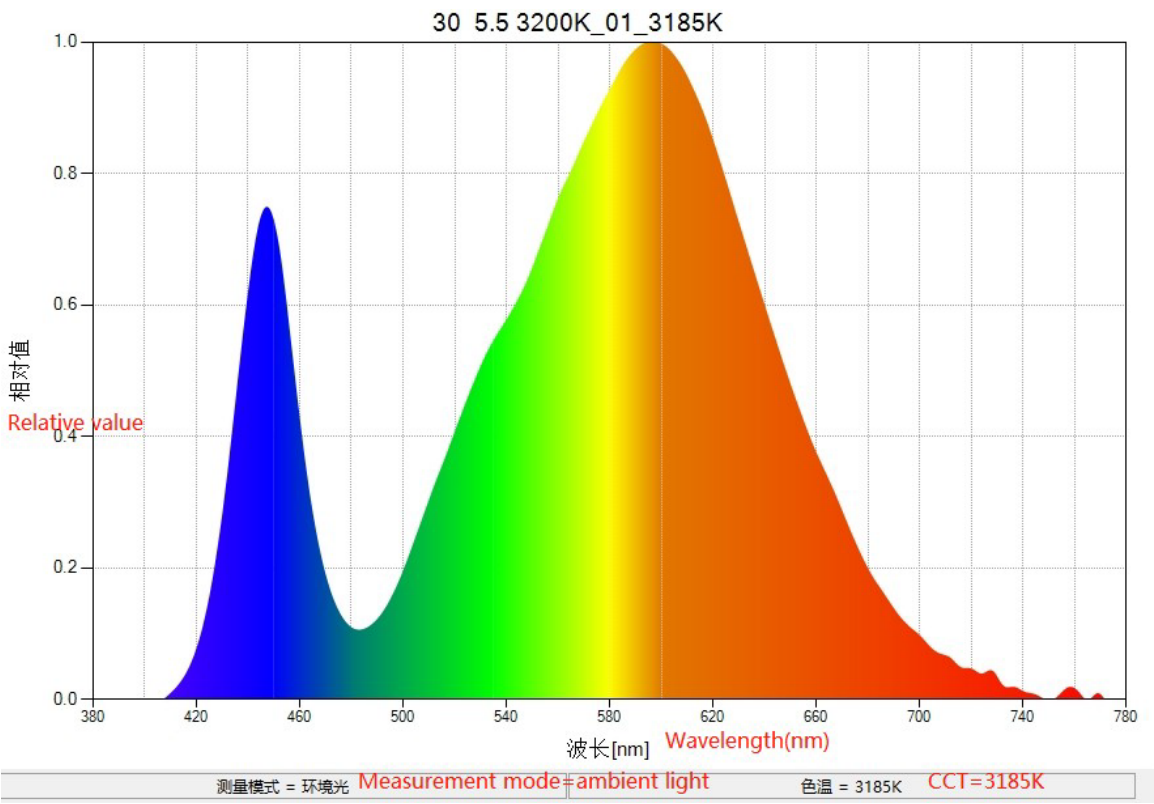
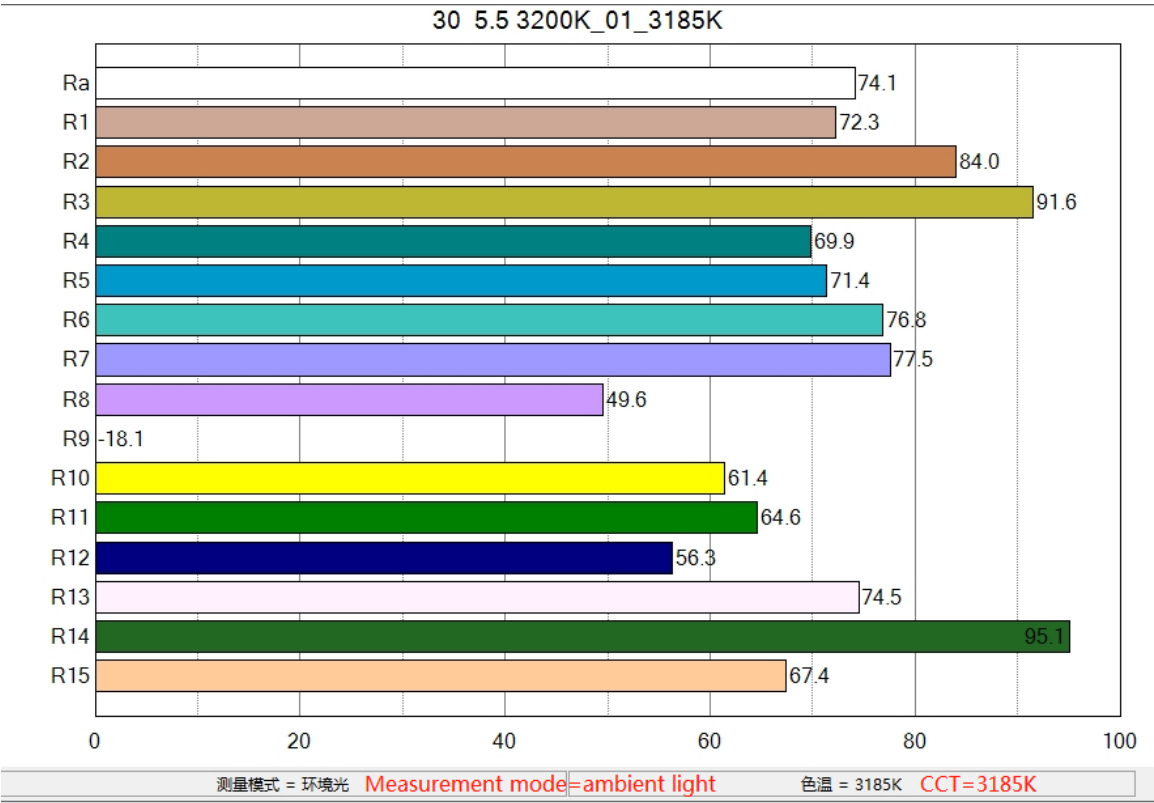
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VL3600 PROFILE IP

Measurement mode ambient light
Color space/white point: HSI D65
CCT [K] 5449
Δ_{uv} 0.0052
Lux [lx] 14400
Lux [fc] 1330
Benchmark color temperature [K] 6000
LB Index [MK^{-1}] -17
LB Camera filter 82A
LB Color filter L218 1/8 CTB
CC Index 0.4M
CC# 1.2M
CC Camera filter CC05M
CC Color filter L249 1/4 MINUS G
CRI Ra 90.3
CRI R1 88.9
CRI R2 91.8
CRI R3 94.9
CRI R4 91.1
CRI R5 89.9
CRI R6 90.2
CRI R7 93
CRI R8 82.4
CRI R9 48.1
CRI R10 81.6
CRI R11 91.8
CRI R12 82.4
CRI R13 89.4
CRI R14 97.3
CRI R15 84.7
TM-30-18 Rf 92
TM-30-18 Rg 98
SSIt 55
SSId 80
SSI1 ---
SSI2 ---
TLCI 90
TLMF ---
CIE1931 x 0.3338
CIE1931 y 0.3526
Hue 50deg
Saturation 19%

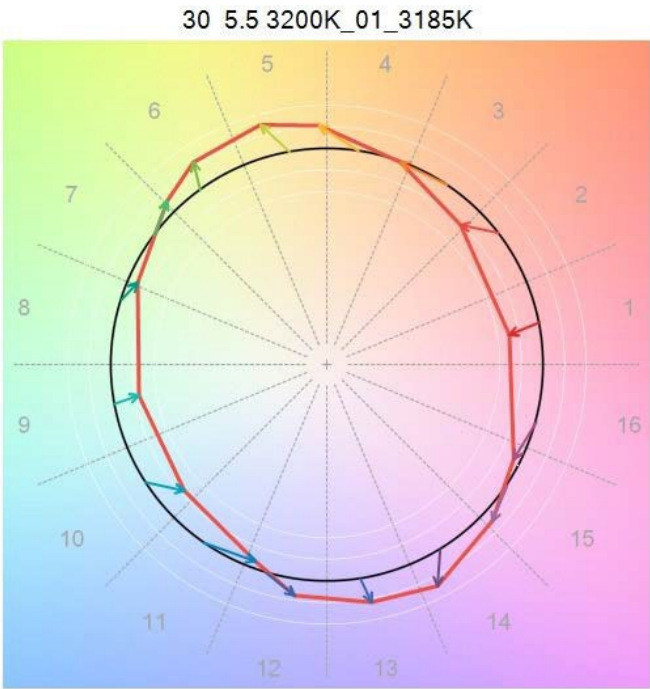
VL3600 PROFILE IP

Full on(3200K)

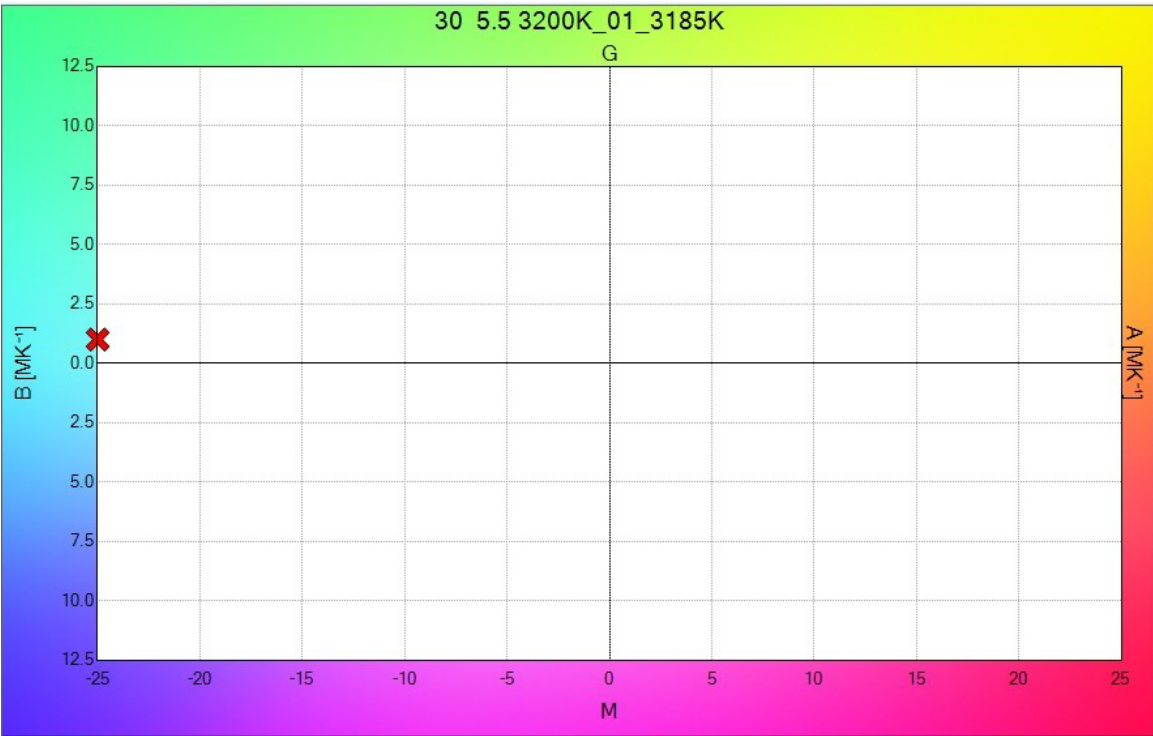


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VL3600 PROFILE IP



测量模式 = 环境光	Measurement mode=ambient light	色温 = 3185K	CCT=3185K
Rf = 73	Rg = 98	Ra = 74.1	



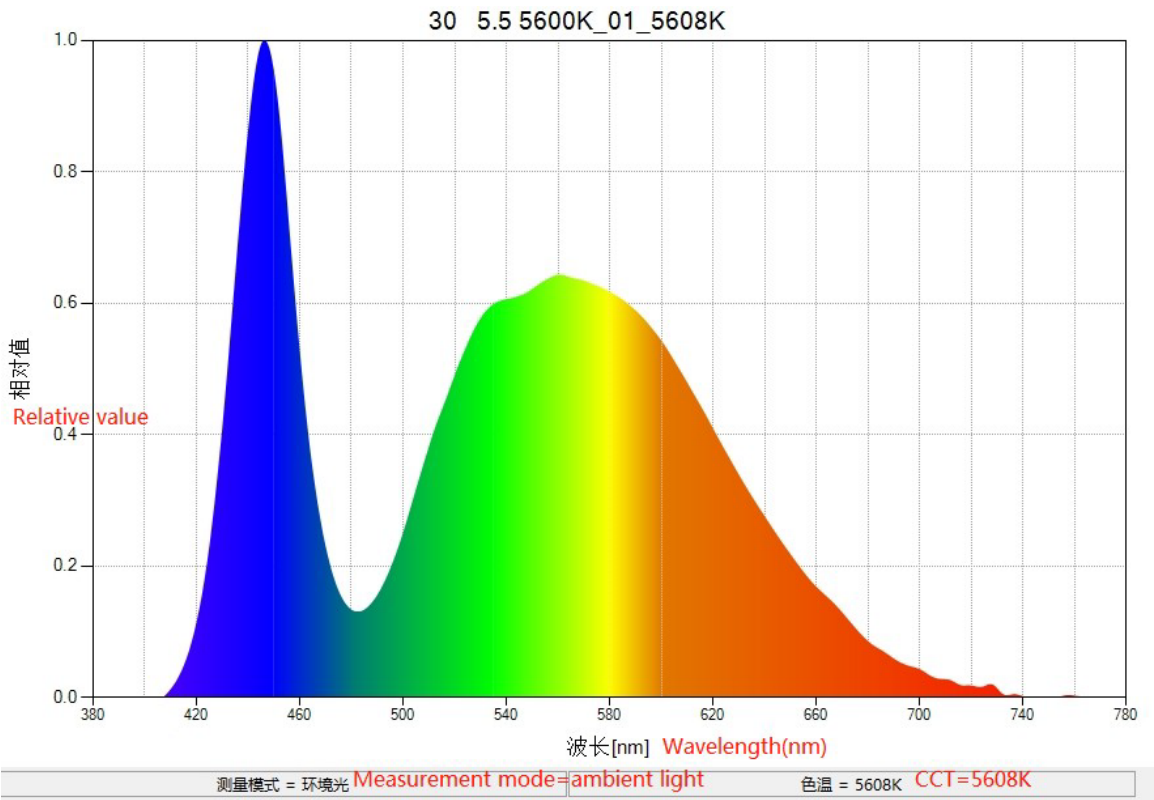
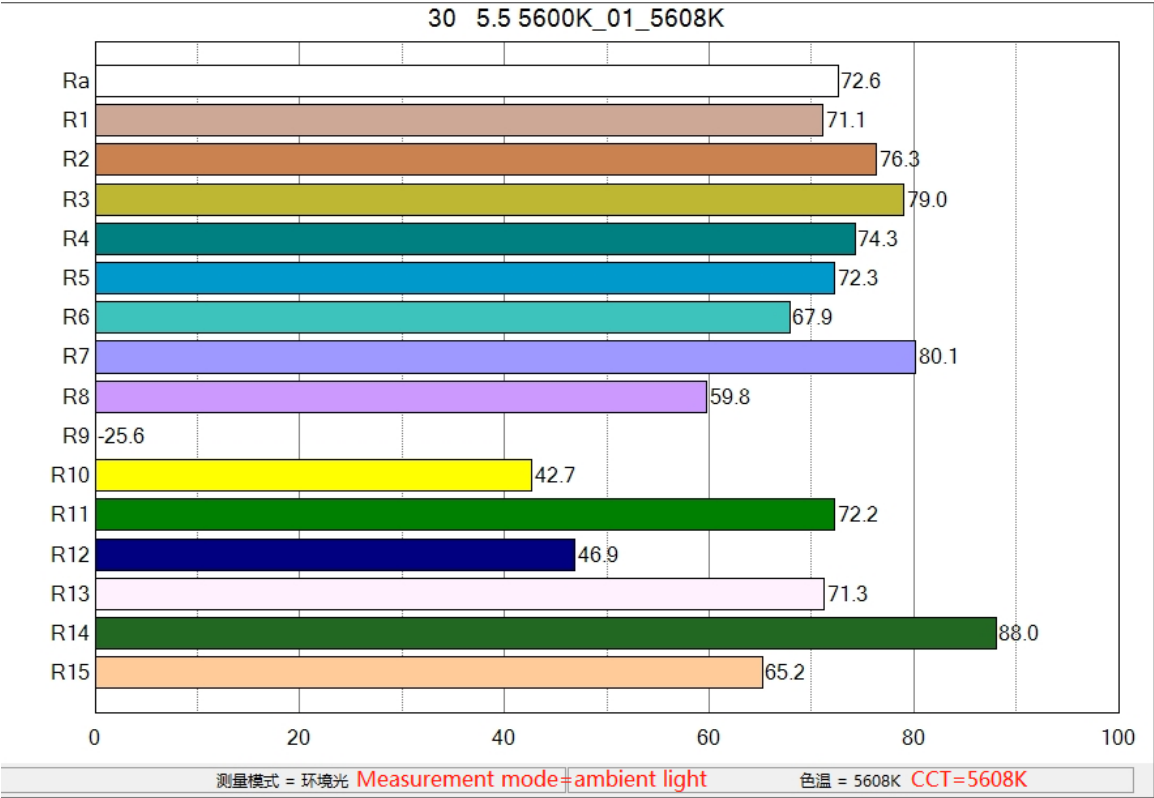
CCT=3185K	测量模式 = 环境光	Measurement mode=ambient light
色温 = 3185K	基准色温 = 6000K	LB指数 = -147MK ⁻¹
		CC指数 = 0.9G

VL3600 PROFILE IP

Measurement mode ambient light
Color space/white point: HSI D65
CCT [K] 3185
Δuv -0.009
Lux [lx] 15500
Lux [fc] 1440
Benchmark color temperature [K] 6000
LB Index [MK??] -147
LB Camera filter 80B 82C
LB Color filter L202 1/2 CTB L202 1/2 CTB
CC Index 0.9G
CC# 2.4G
CC Camera filter CC30G
CC Color filter L245 1/2 PLUS G L278 1/8 PLUS G
CRI Ra 74.1
CRI R1 72.3
CRI R2 84
CRI R3 91.6
CRI R4 69.9
CRI R5 71.4
CRI R6 76.8
CRI R7 77.5
CRI R8 49.6
CRI R9 -18.1
CRI R10 61.4
CRI R11 64.6
CRI R12 56.3
CRI R13 74.5
CRI R14 95.1
CRI R15 67.4
TM-30-18 Rf 73
TM-30-18 Rg 98
SSIt 61
SSId 52
SSI1 ---
SSI2 ---
TLCI 44
TLMF ---
CIE1931 x 0.4131
CIE1931 y 0.3741
Hue 28deg
Saturation 55%

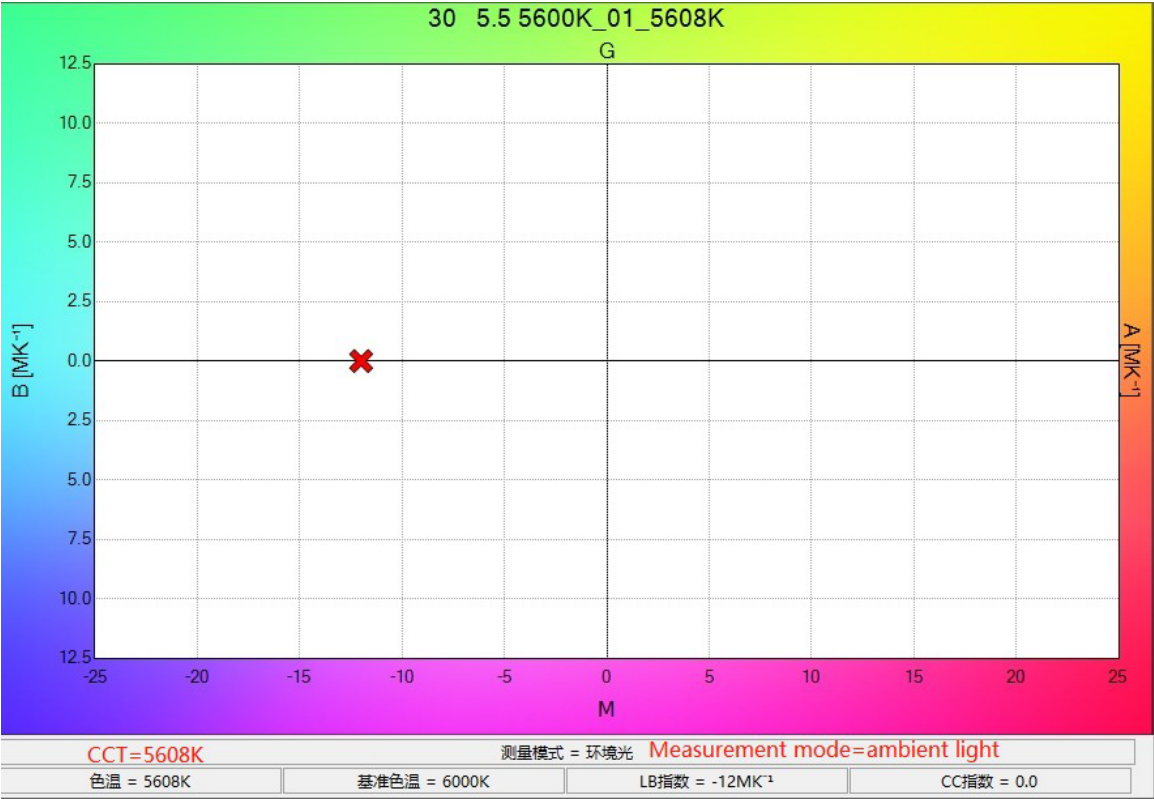
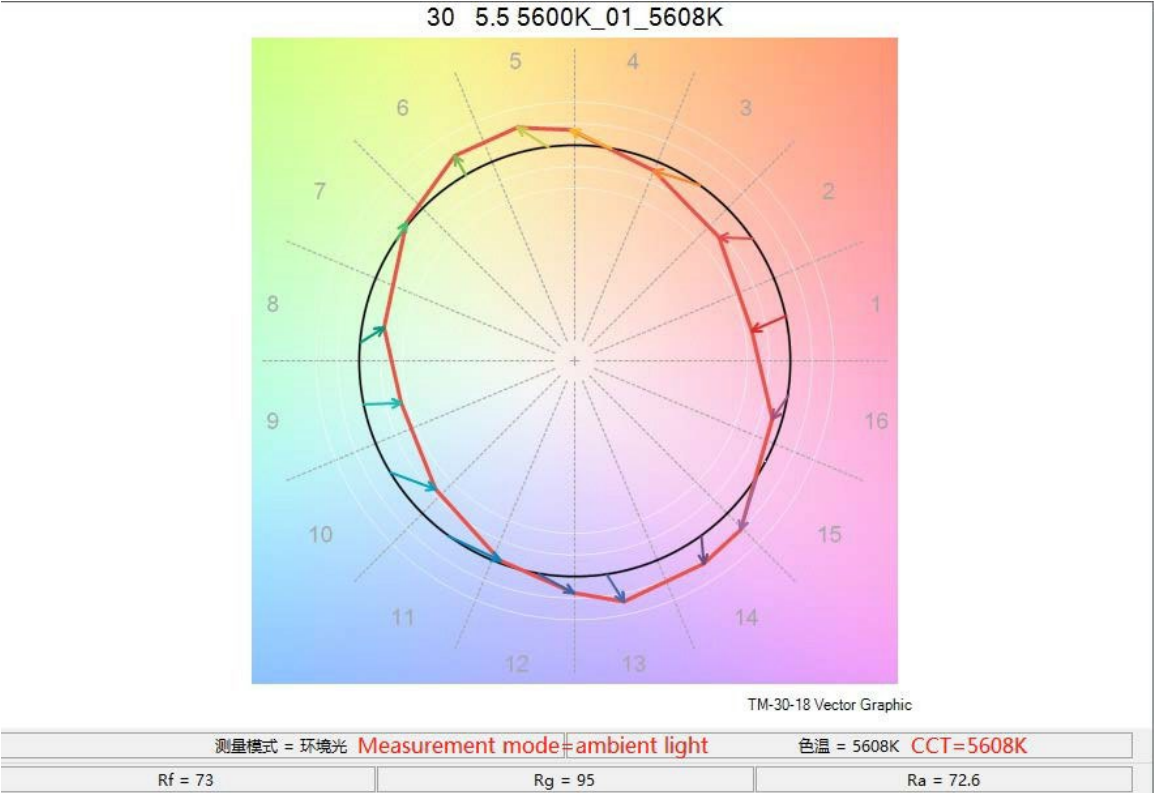
VL3600 PROFILE IP

Full on(5600K)



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VL3600 PROFILE IP



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VL3600 PROFILE IP

Measurement mode ambient light
Color space/white point: HSI D65
CCT [K] 5608
Δuv 0.0012
Lux [lx] 24300
Lux [fc] 2250
Benchmark color temperature [K] 6000
LB Index [MK??] -12
LB Camera filter 82
LB Color filter L218 1/8 CTB
CC Index 0
CC# 0
CC Camera filter -----
CC Color filter -----
CRI Ra 72.6
CRI R1 71.1
CRI R2 76.3
CRI R3 79
CRI R4 74.3
CRI R5 72.3
CRI R6 67.9
CRI R7 80.1
CRI R8 59.8
CRI R9 -25.6
CRI R10 42.7
CRI R11 72.2
CRI R12 46.9
CRI R13 71.3
CRI R14 88
CRI R15 65.2
TM-30-18 Rf 73
TM-30-18 Rg 95
SSIt 34
SSId 58
SSI1 ---
SSI2 ---
TLCI 48
TLMF ---
CIE1931 x 0.33
CIE1931 y 0.3413
Hue 38deg
Saturation 12%