

Photometric Report

PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

REPORT SUMMARY

Output

Total Lumens:	885 Lumen
Peak Intensity:	1978 candela
Illuminance @ 5m:	79 lx
CRI:	96,0
CCT:	2727 K

Optical

Beam Angle (50%)	36,4 °
Field Angle (10%)	69,1 °

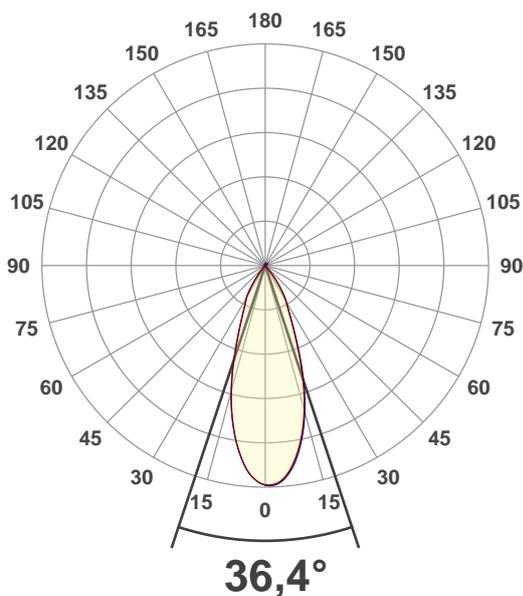
Conditions:

Power Supply:	224 V
Power:	16,2 W
Current:	0,096 A
Power Factor:	0,75

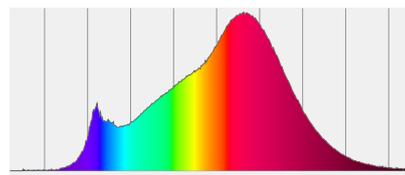


MEASUREMENTS

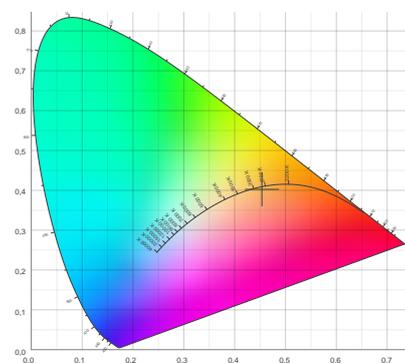
Angular Beam Distribution



Spectral Distribution



CIE 1931

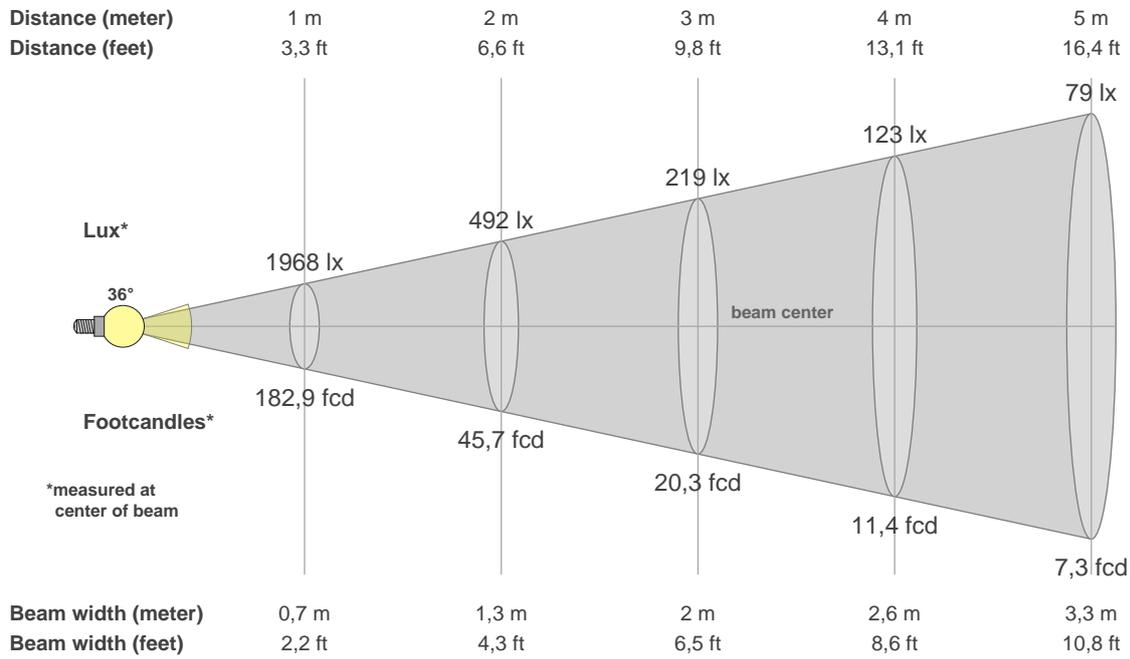


Photometric Report



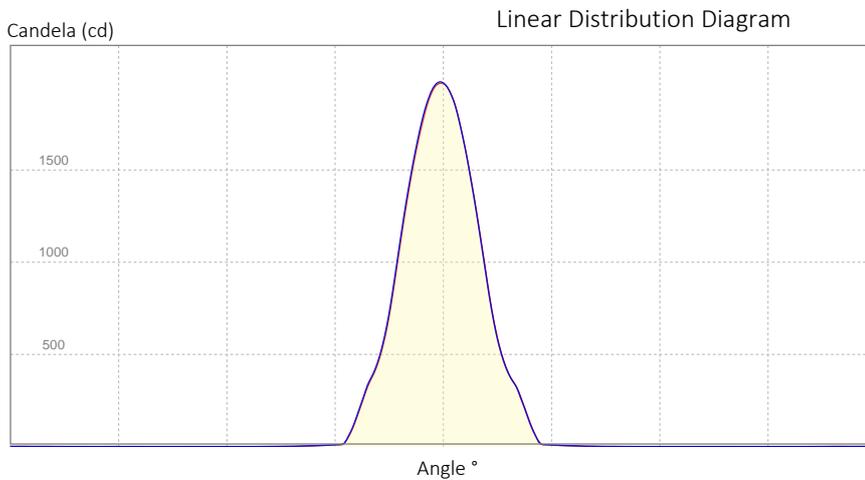
PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

BEAM DETAILS



Beam Illuminances 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
1968lx	492lx	219lx	123lx	79lx	55lx	40lx	31lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
182,9fcd	45,7fcd	20,3fcd	11,4fcd	7,3fcd	5,1fcd	3,7fcd	2,9fcd	2,3fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,5fcd



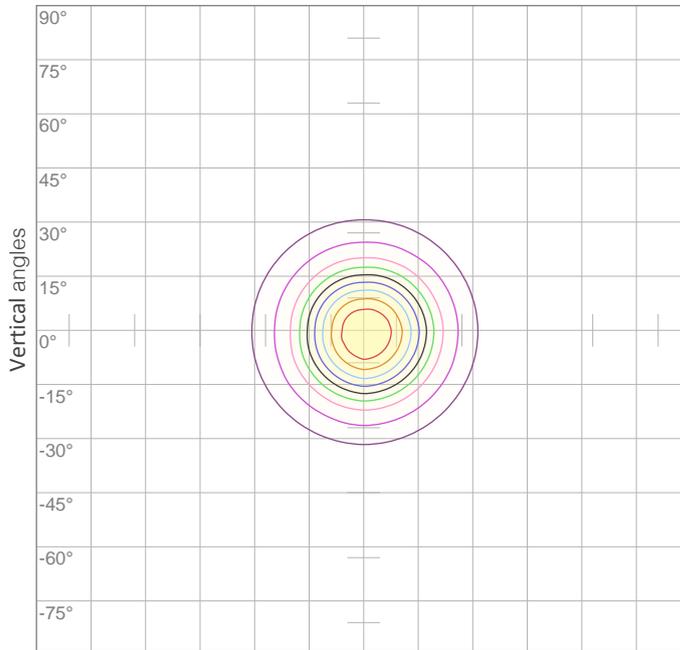
Beam Angle (50%): 36,4 °
 Field Angle (10%): 69,1 °
 Cutoff Angle (3%): 78,4 °

Photometric Report



PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

POLAR DIAGRAMS



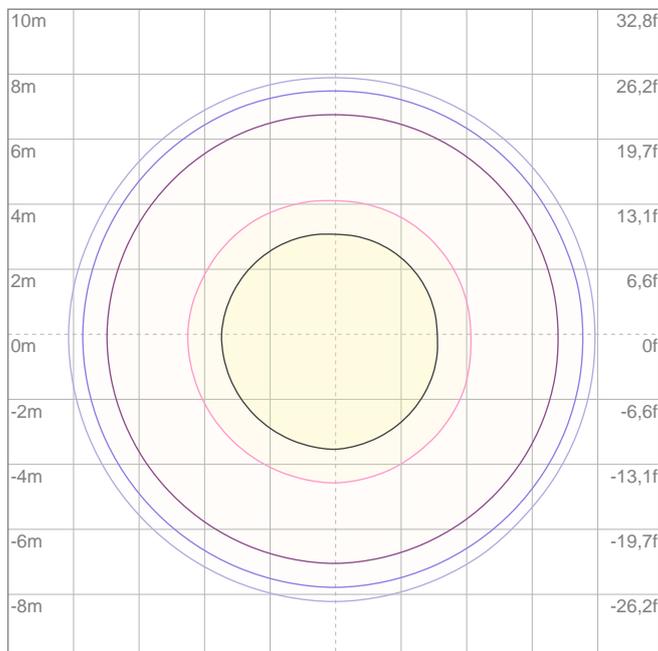
ISO candela diagram

10%	197 cd
20%	394 cd
30%	591 cd
40%	787 cd
50%	984 cd
60%	1181 cd
70%	1378 cd

Conditions:

Number of c-planes: {C_PLANES}

Candela at center: 1968 cd



ISO lux diagram

3%	0,591 lx
5%	0,984 lx
10%	1,97 lx
30%	5,91 lx
50%	9,84 lx

Conditions:

Number of c-planes: 4

Lux at center: 19,7 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

Photometric Report



PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

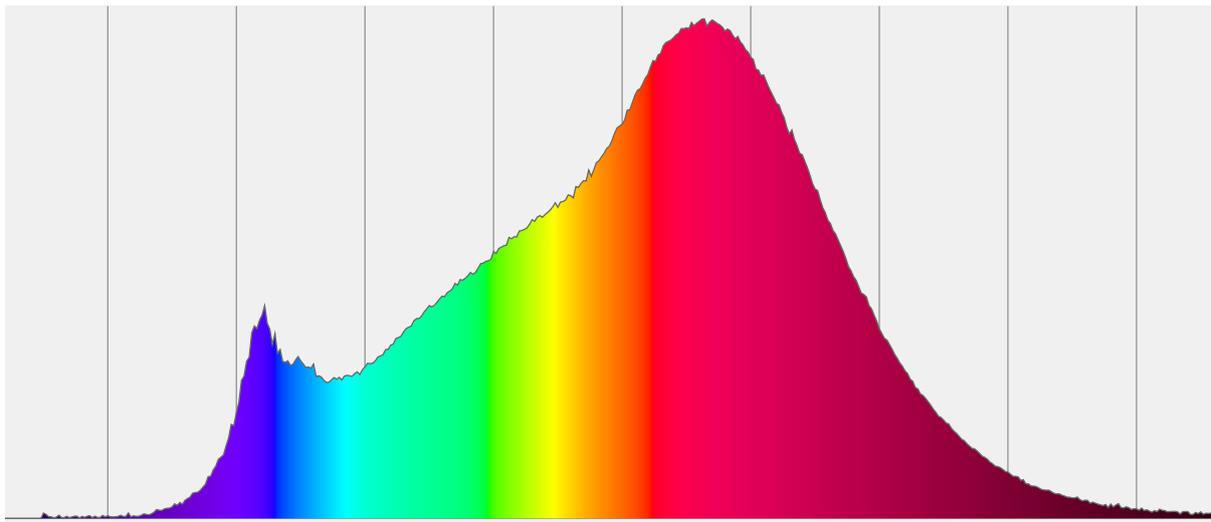
CHROMATICITY REPORT

Total Lumens: 885 lm
Peak Intensity: 1978 cd
Fixture Efficiency: 55 Lumen/Watt

Color Temperature: 2727 K
CRI: 96,0
CRI R9: 88,3
CQS: 93,4
TM-30 Rf: 92,1
TM-30 Rg: 98,4
 Δuv : -0,0026
1st Dominant Wavelength: 632 nm
2nd Dominant Wavelength: 461 nm



Spectral Distribution



Color

2727 K
CIE 1931 Coordinates:
X: 0,454 Y: 0,402

Color Temperature

2727 K

CRI

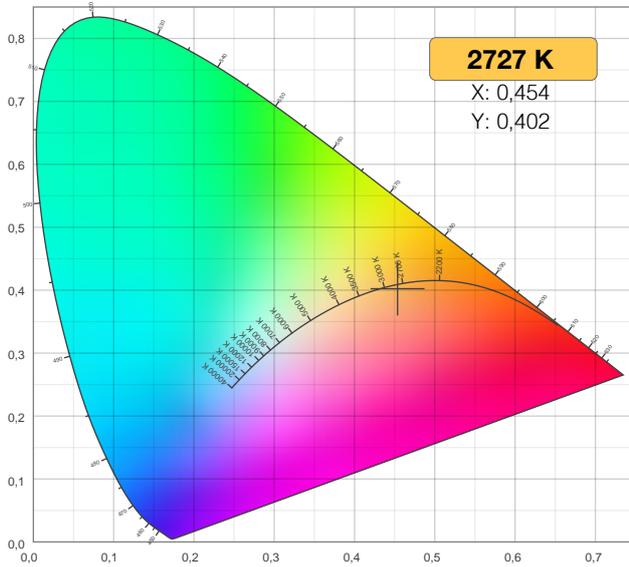
96,0

Photometric Report

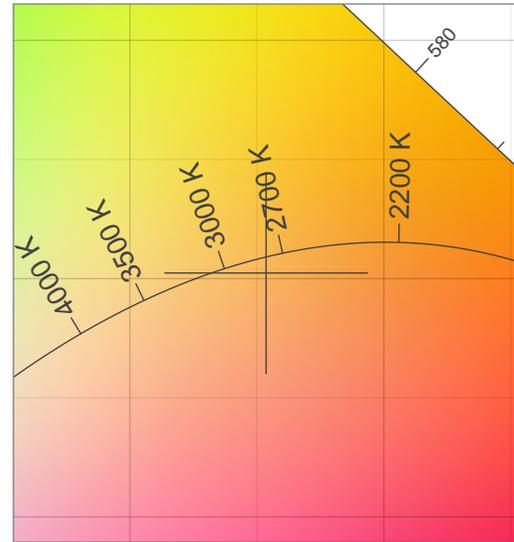
PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

CHROMATICITY

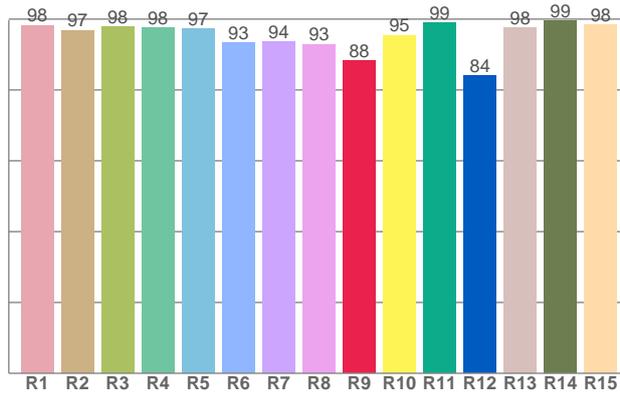
CIE 1931



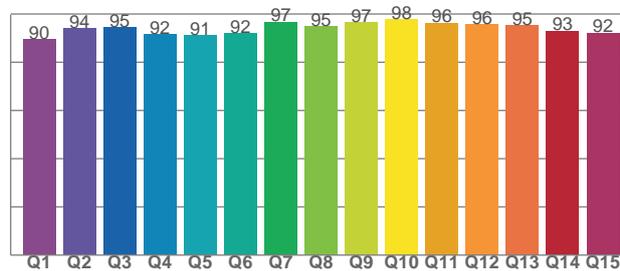
CIE 1931 - Detail



CRI: 96,0 (R1-R8)



CQSI: 93,4



Photometric Report



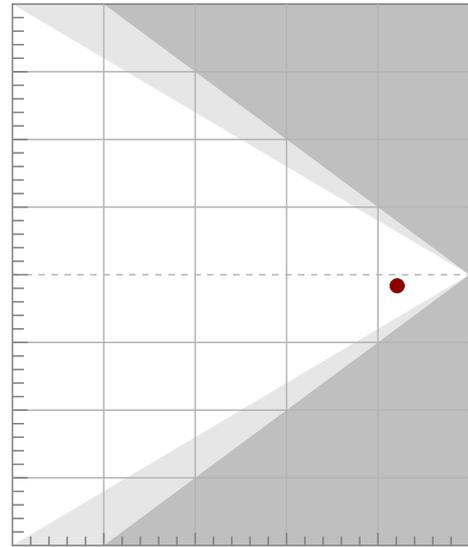
PAR 20 Warm-On-Dim (Full on), , Ordercode 43312

TM-30-18 DETAILS

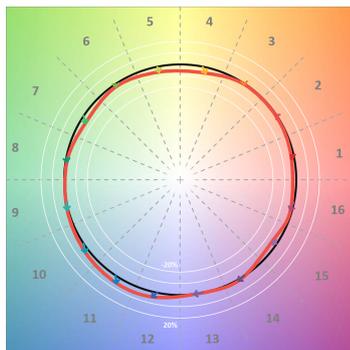
Rf 92,1
Fidelity index Rf

Rg 98,4
Gamut index Rg

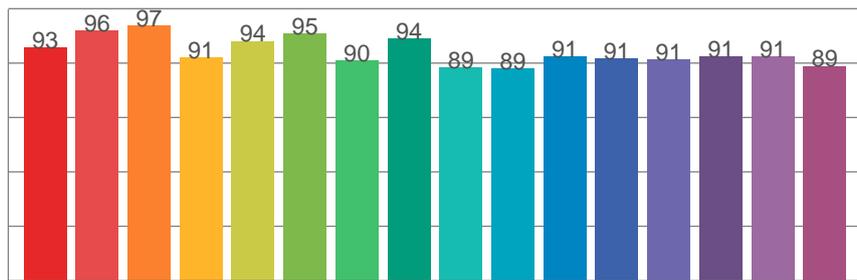
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-2%	2%
2	96	0%	1%
3	97	0%	0%
4	91	-5%	-4%
5	94	-5%	-1%
6	95	-2%	1%
7	90	-5%	4%
8	94	-1%	3%
9	89	1%	7%
10	89	3%	7%
11	91	5%	4%
12	91	5%	-4%
13	91	0%	-7%
14	91	1%	-7%
15	91	-4%	0%
16	89	-1%	-7%



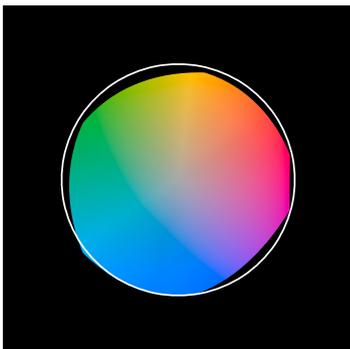
TM30-18 Color Vectors



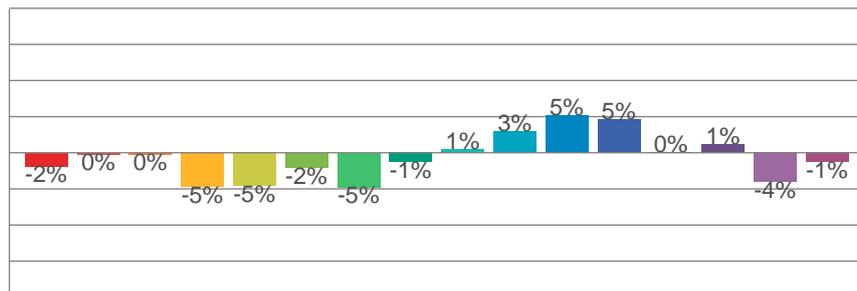
Rf by Hue Bin



TM30 Color Distortion



TM30 Chroma Shift



TM30 Color Fidelity Sample Chart

