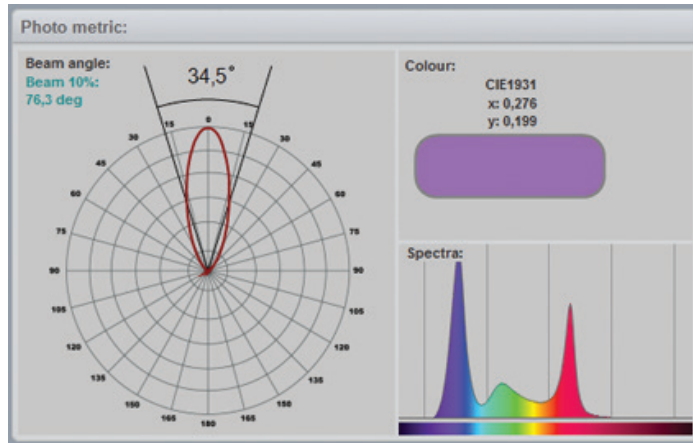
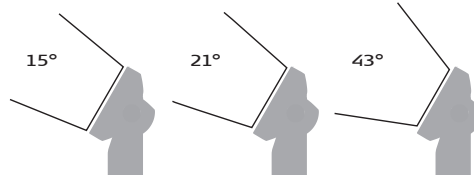


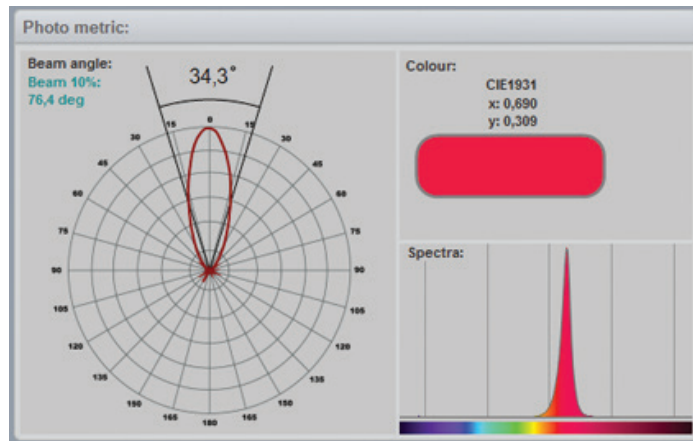
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PHOTOMETRIC DATA*

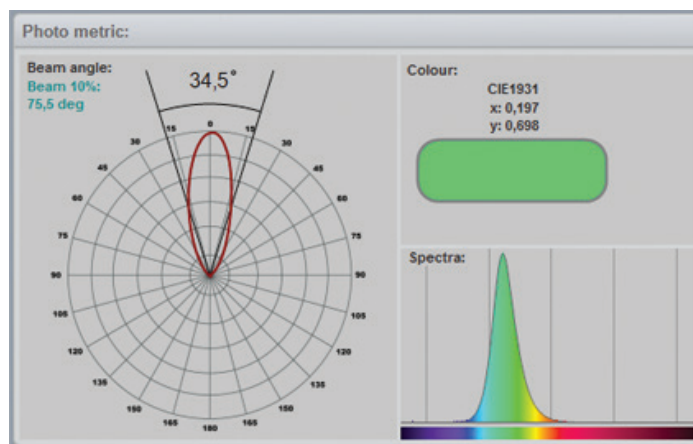
Narrow spread angle of 15°
 Medium spread angle of 21°
 Wide spread angle of 43°



43°
 All LEDs on
 Light output 10100 lm
 Power 200 W
 Optical efficiency 51 lm/W
 Spread angle 50% 35°
 Spread angle 10% 76°



43°
 Red
 Light output 3300 lm
 Power 40 W
 Optical efficiency 83 lm/W
 Spread angle 50% 34°
 Spread angle 10% 77°



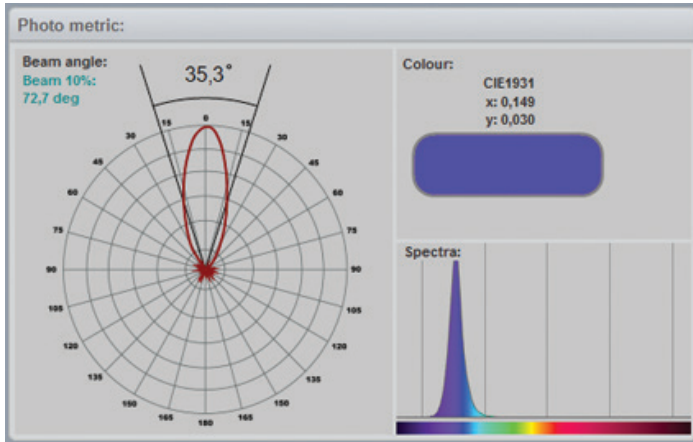
43°
 Green
 Light output 2700 lm
 Power 50 W
 Optical efficiency 54 lm/W
 Spread angle 50% 34°
 Spread angle 10% 75°

* Goniometer Scan / Ocean optics / Viso Systems Light Spion™

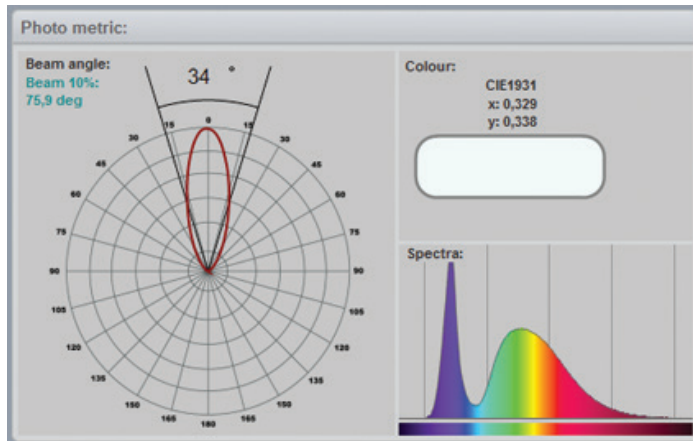
** Measurements is typical values across the range of product line

P · 2

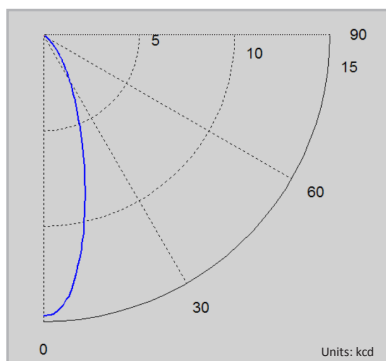
PHOTOMETRIC DATA*



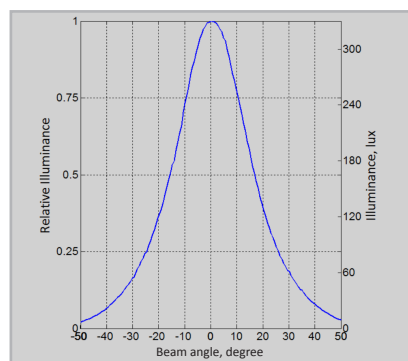
43°	
Blue	
Light output	1400 lm
Power	48 W
Optical efficiency	29 lm/W
Spread angle 50%	35°
Spread angle 10%	78°



43°	
White	
Light output	4600 lm
Power	50 W
Optical efficiency	92 lm/W
Spread angle 50%	34°
Spread angle 10%	75°
CRI	70
CCT	6000 K



43°
Polar Candela Distribution
All LEDs on



43°
Beam Profile
All LEDs on

* Goniometer Scan / Ocean optics / Viso Systems Light Spion™

** Measurements is typical values across the range of product line