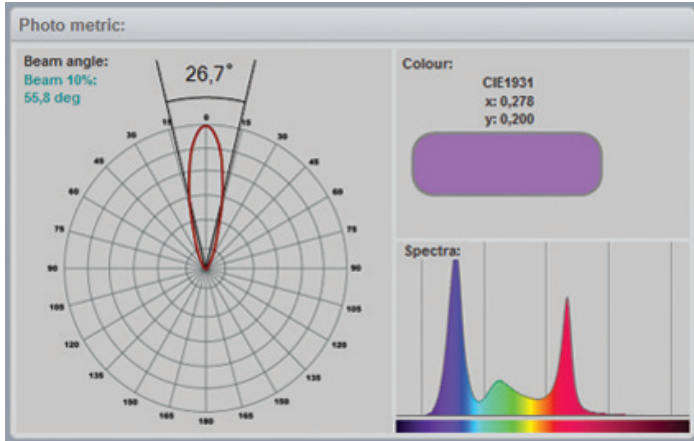
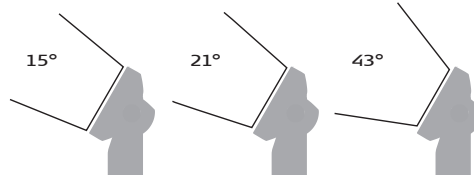


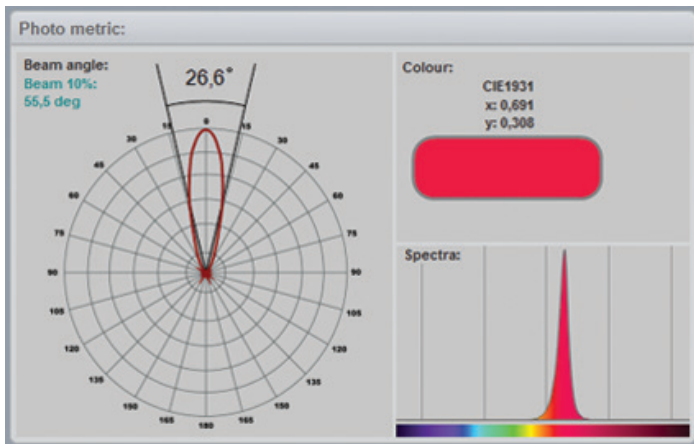
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PHOTOMETRIC DATA*

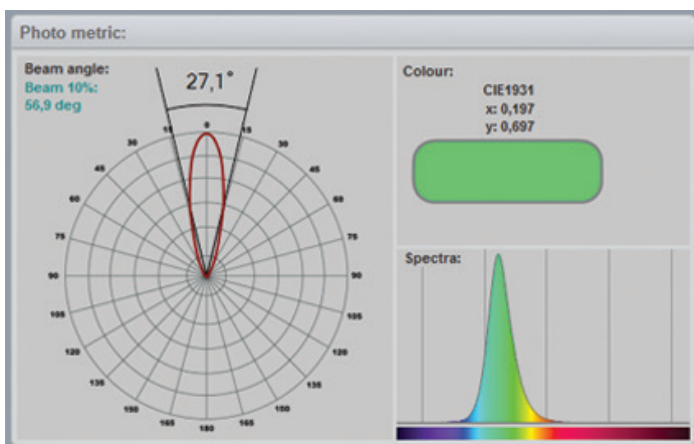
Narrow spread angle of 15°
 Medium spread angle of 21°
 Wide spread angle of 43°



21°
 All LEDs on
 Light output 10000 lm
 Power 200 W
 Optical efficiency 50 lm/W
 Spread angle 50% 27°
 Spread angle 10% 56°



21°
 Red
 Light output 3300 lm
 Power 40 W
 Optical efficiency 83 lm/W
 Spread angle 50% 27°
 Spread angle 10% 56°



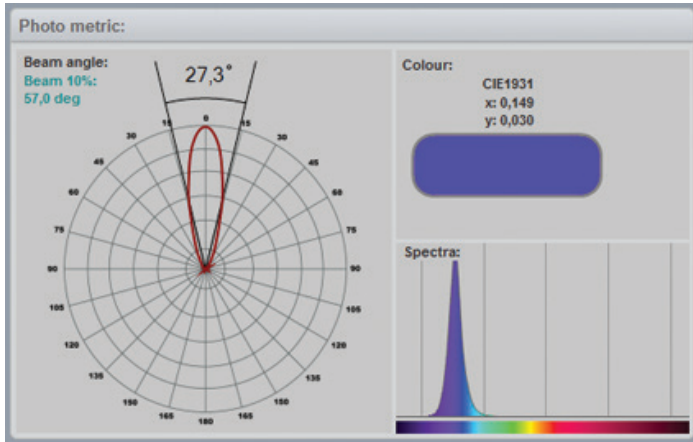
21°
 Green
 Light output 2600 lm
 Power 50 W
 Optical efficiency 52 lm/W
 Spread angle 50% 27°
 Spread angle 10% 57°

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

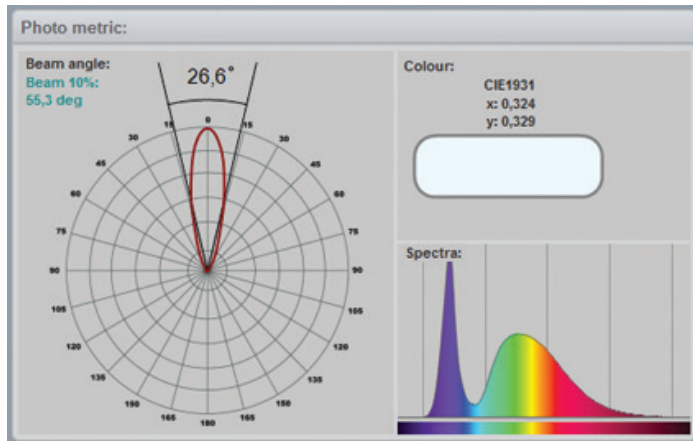
** Measurements is typical values across the range of product line

P · 2

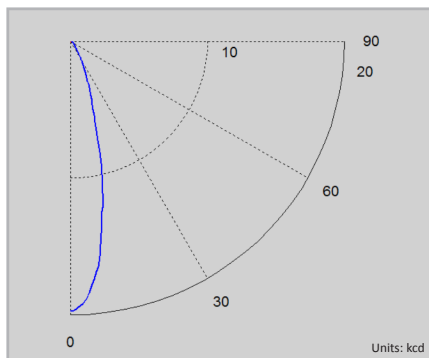
PHOTOMETRIC DATA*



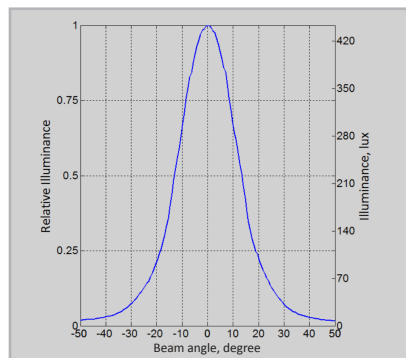
21°	
Blue	
Light output	1600 lm
Power	48 W
Optical efficiency	33 lm/W
Spread angle 50%	27°
Spread angle 10%	57°



21°	
White	
Light output	4500 lm
Power	50 W
Optical efficiency	90 lm/W
Spread angle 50%	27°
Spread angle 10%	55°
CRI	70
CCT	6000 K



21°
Polar Candela Distribution
All LEDs on



21°
Beam Profile
All LEDs on

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

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