

Powershine MK2 D



Date: 12.12.2012
Operator: Alessandro Pederzani

Griven S.r.l.
Via Bulgaria, 16
46042 Castel Goffredo (MN)

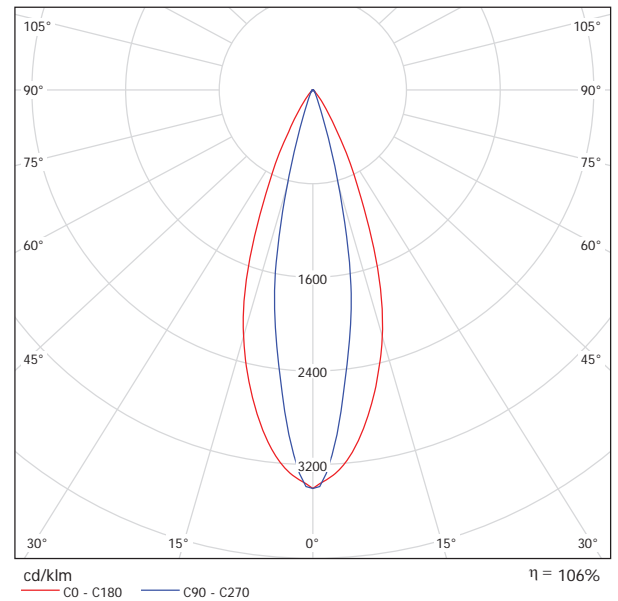
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GRIVEN AL3690 + AL3720 (half) Powershine D MK2 elliptical wide sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 97 99 100 100 108

GRIVEN AL3690 + AL3720 (half) Powershine D
MK2 elliptical wide sym

Article No.: AL3690 + AL3720

Luminous flux (Luminaire): 8732 lm

Luminous flux (Lamps): 8227 lm

Luminaire Wattage: 296.0 W

Luminaire classification according to CIE: 100

CIE flux code: 97 99 100 100 108

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

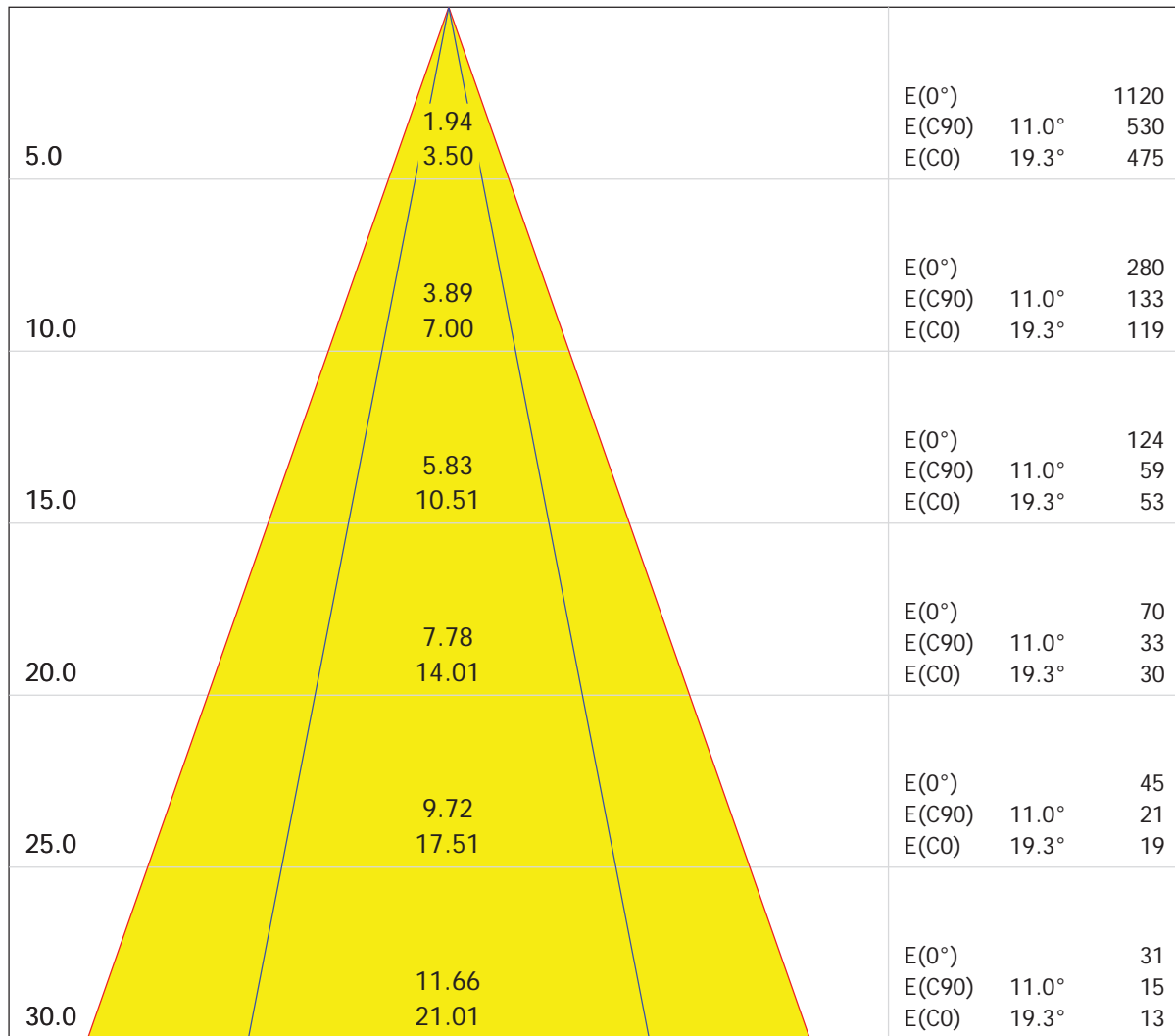
Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	14.8	15.5	15.0	15.6	15.8	7.0	7.7	7.2	7.9	8.1
3H	3H	14.7	15.3	15.0	15.6	15.8	7.3	7.9	7.5	8.1	8.3
4H	4H	14.7	15.3	15.0	15.5	15.8	7.3	7.9	7.6	8.1	8.4
6H	6H	14.6	15.2	15.0	15.4	15.7	7.3	7.8	7.6	8.1	8.4
8H	8H	14.6	15.1	14.9	15.4	15.7	7.3	7.8	7.6	8.1	8.4
12H	12H	14.6	15.1	14.9	15.4	15.7	7.3	7.7	7.6	8.0	8.4
4H	2H	14.6	15.2	14.9	15.4	15.7	7.2	7.8	7.5	8.0	8.3
3H	3H	14.6	15.1	14.9	15.4	15.7	7.5	8.0	7.9	8.3	8.6
4H	4H	14.6	15.0	14.9	15.3	15.6	7.7	8.1	8.0	8.4	8.7
6H	6H	14.5	14.9	14.9	15.2	15.6	7.7	8.0	8.1	8.4	8.8
8H	8H	14.5	14.8	14.9	15.2	15.6	7.7	8.0	8.1	8.3	8.7
12H	12H	14.5	14.7	14.9	15.1	15.5	7.6	7.9	8.1	8.3	8.7
8H	4H	14.5	14.8	14.9	15.1	15.5	7.7	8.0	8.1	8.3	8.7
6H	6H	14.4	14.6	14.9	15.1	15.5	7.7	7.9	8.1	8.3	8.8
8H	8H	14.4	14.6	14.8	15.0	15.5	7.7	7.9	8.2	8.3	8.8
12H	12H	14.3	14.5	14.8	14.9	15.4	7.7	7.8	8.1	8.3	8.8
12H	4H	14.4	14.7	14.9	15.1	15.5	7.6	7.9	8.1	8.3	8.7
6H	6H	14.4	14.6	14.8	15.0	15.5	7.7	7.9	8.1	8.3	8.8
8H	8H	14.3	14.5	14.8	14.9	15.4	7.7	7.8	8.1	8.3	8.8
Variation of the observer position for the luminaire distances S											
S = 1.0H	+5.2 / -6.5					+1.6 / -1.5					
S = 1.5H	+7.9 / -7.6					+2.1 / -2.6					
S = 2.0H	+9.9 / -8.5					+3.5 / -3.7					
Standard table	BK00					BK01					
Correction Summand	-3.5					-10.3					
Corrected Glare Indices referring to 8227lm Total Luminous Flux											

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GRIVEN AL3690 + AL3720 (half) Powershine D MK2 elliptical wide sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3720 (half) Powershine D MK2 elliptical wide sym
Lamps: 1 x 362-QL12-S07



Distance [m] Cone Diameter [m] Illuminance [Ix]

- C0 - C180 (Half-value Angle: 38.6°)
- C90 - C270 (Half-value Angle: 22.0°)

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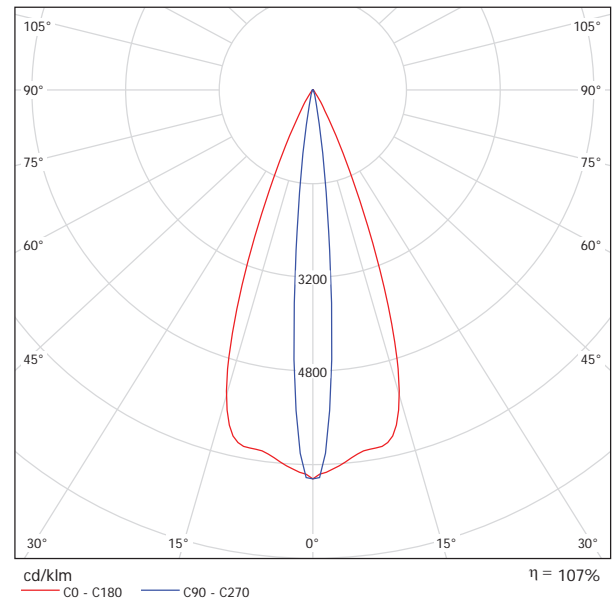
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GRIVEN AL3690 + AL3718 (half) Powershine D MK2 elliptical sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 98 99 100 100 114

GRIVEN AL3690 + AL3718 (half) Powershine D
MK2 elliptical sym

Article No.: AL3690 + AL3718

Luminous flux (Luminaire): 9259 lm

Luminous flux (Lamps): 8676 lm

Luminaire Wattage: 294.0 W

Luminaire classification according to CIE: 100

CIE flux code: 98 99 100 100 114

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

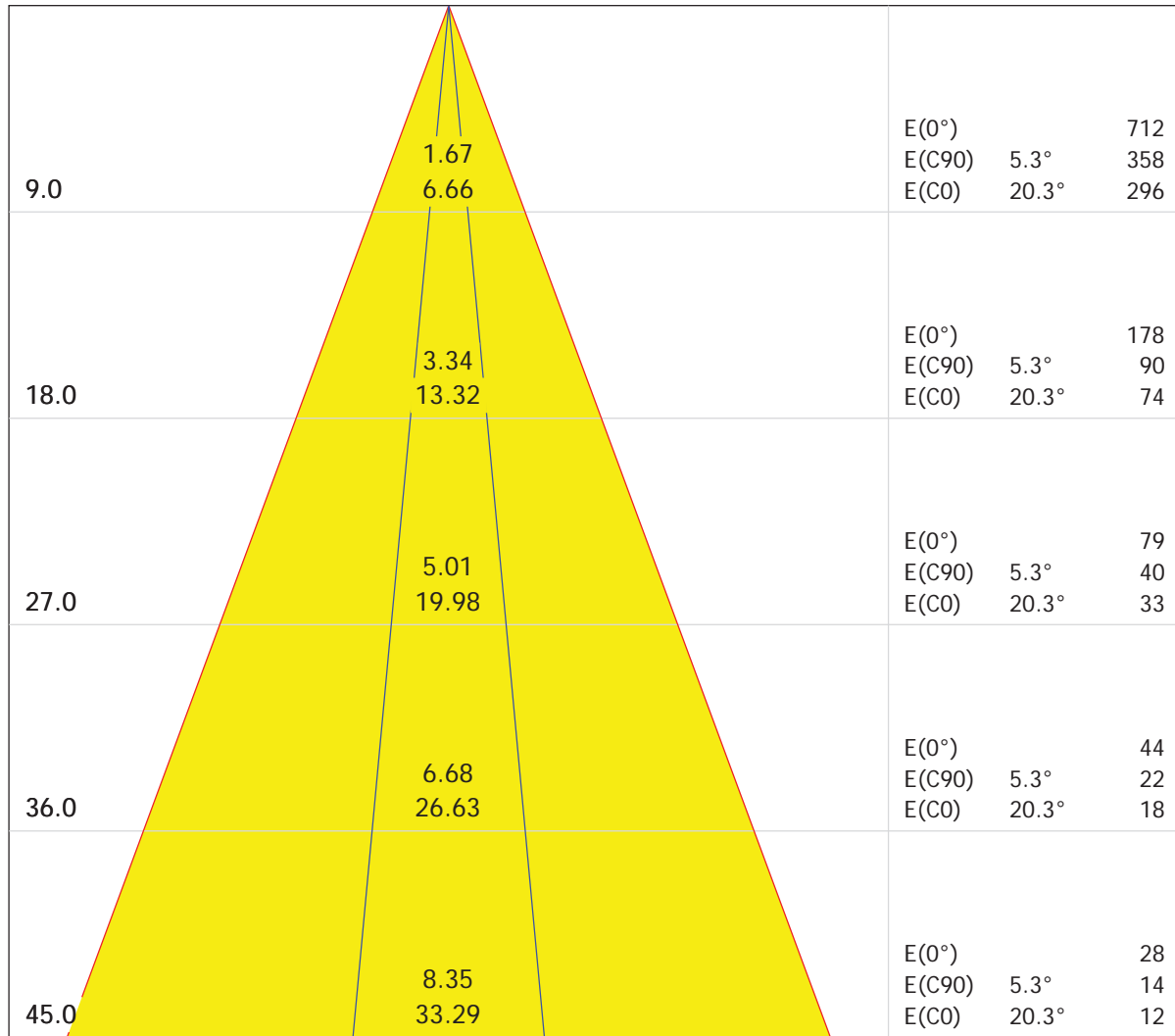
Glare Evaluation According to UGR											
h Ceiling	70	70	50	50	30	70	70	50	50	30	
h Walls	50	30	50	30	30	50	30	50	30	30	
h Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	11.8	12.4	12.0	12.6	12.8	5.7	6.4	6.0	6.6	6.8
3H	3H	11.8	12.4	12.1	12.6	12.9	6.0	6.6	6.3	6.9	7.1
4H	4H	11.8	12.4	12.1	12.6	12.9	6.1	6.7	6.4	7.0	7.2
6H	6H	11.8	12.3	12.1	12.6	12.9	6.2	6.7	6.5	7.0	7.3
8H	8H	11.8	12.3	12.1	12.6	12.8	6.2	6.7	6.5	7.0	7.3
12H	12H	11.7	12.2	12.1	12.5	12.8	6.2	6.6	6.5	6.9	7.3
4H	2H	11.7	12.2	12.0	12.5	12.7	5.9	6.5	6.2	6.8	7.0
3H	3H	11.7	12.2	12.1	12.5	12.8	6.4	6.8	6.7	7.1	7.4
4H	4H	11.7	12.1	12.1	12.5	12.8	6.5	6.9	6.9	7.3	7.6
6H	6H	11.7	12.1	12.1	12.4	12.8	6.6	7.0	7.0	7.3	7.7
8H	8H	11.7	12.0	12.1	12.4	12.8	6.6	6.9	7.1	7.3	7.7
12H	12H	11.7	11.9	12.1	12.3	12.8	6.6	6.9	7.1	7.3	7.7
8H	4H	11.7	11.9	12.1	12.3	12.7	6.6	6.9	7.0	7.3	7.7
6H	6H	11.7	11.9	12.1	12.3	12.7	6.7	6.9	7.2	7.3	7.8
8H	8H	11.6	11.8	12.1	12.3	12.7	6.7	6.9	7.2	7.4	7.8
12H	12H	11.6	11.8	12.1	12.2	12.7	6.7	6.9	7.2	7.3	7.8
4H	4H	11.6	11.9	12.0	12.3	12.7	6.6	6.8	7.0	7.2	7.6
6H	6H	11.6	11.8	12.1	12.2	12.7	6.7	6.9	7.2	7.3	7.8
8H	8H	11.6	11.7	12.1	12.2	12.7	6.7	6.9	7.2	7.3	7.8
Variation of the observer position for the luminaire distances S											
S = 1.0H	+5.5 / -4.3					+0.5 / -0.7					
S = 1.5H	+8.2 / -5.5					+1.0 / -1.9					
S = 2.0H	+10.1 / -6.5					+2.3 / -3.2					
Standard table	BK00					BK02					
Correction Summand	-6.2					-10.8					
Corrected Glare Indices referring to 8676lm Total Luminous Flux											

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GRIVEN AL3690 + AL3718 (half) Powershine D MK2 elliptical sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3718 (half) Powershine D MK2 elliptical sym
Lamps: 1 x 362-QL12-S06



Distance [m] Cone Diameter [m] Illuminance [lx]

- C0 - C180 (Half-value Angle: 40.6°)
- C90 - C270 (Half-value Angle: 10.6°)

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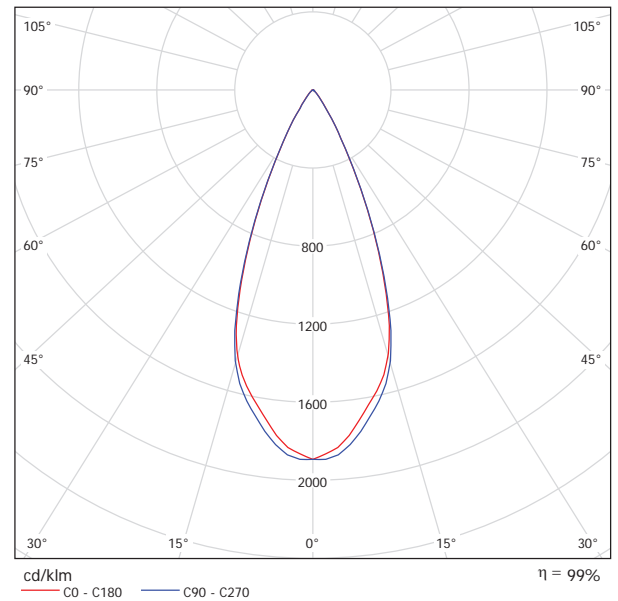
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GRIVEN AL3690 + AL3716 (half) Powershine D MK2 wide sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 97 99 100 100 100

GRIVEN AL3690 + AL3716 (half) Powershine D MK2 wide sym

Article No.: AL3690 + AL3716

Luminous flux (Luminaire): 8524 lm

Luminous flux (Lamps): 8597 lm

Luminaire Wattage: 296.0 W

Luminaire classification according to CIE: 100

CIE flux code: 97 99 100 100 100

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

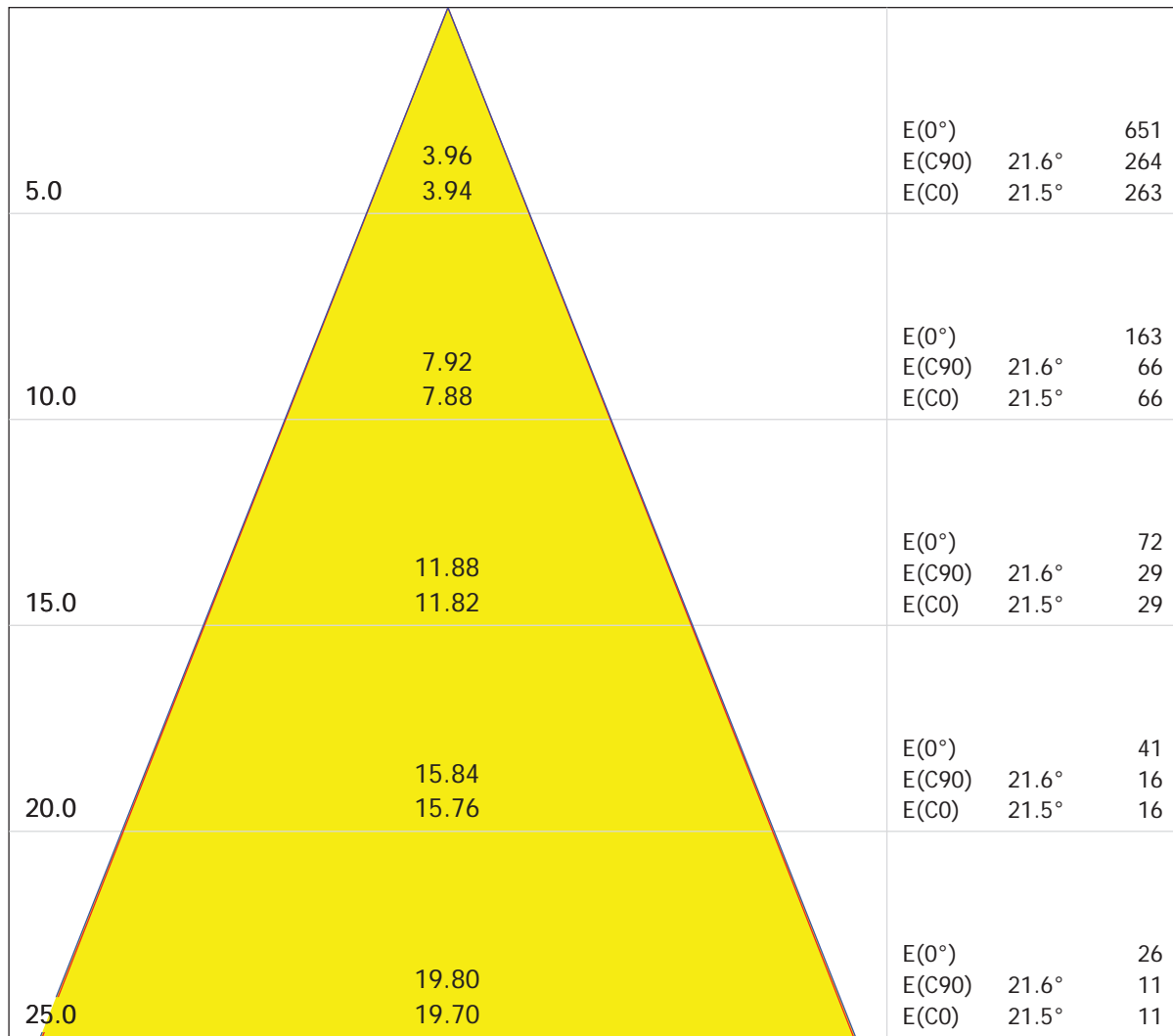
Glare Evaluation According to UGR											
	70	70	50	50	30	70	70	50	50	30	
ρ Ceiling											
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	12.6	13.3	12.9	13.5	13.7	12.3	13.0	12.6	13.2	13.4
	3H	12.6	13.2	12.9	13.5	13.7	12.3	12.9	12.6	13.1	13.4
	4H	12.6	13.2	12.9	13.4	13.7	12.2	12.8	12.5	13.1	13.3
	6H	12.6	13.1	12.9	13.4	13.7	12.2	12.7	12.5	13.0	13.3
	8H	12.5	13.1	12.9	13.3	13.6	12.2	12.7	12.5	13.0	13.2
4H	2H	12.5	13.1	12.8	13.3	13.6	12.2	12.8	12.5	13.0	13.3
	3H	12.5	13.0	12.9	13.3	13.6	12.2	12.7	12.5	13.0	13.3
	4H	12.5	12.9	12.9	13.3	13.6	12.2	12.6	12.5	12.9	13.3
	6H	12.5	12.9	12.9	13.2	13.6	12.1	12.5	12.5	12.8	13.2
	8H	12.5	12.8	12.9	13.2	13.6	12.1	12.4	12.5	12.8	13.2
8H	2H	12.5	12.7	12.9	13.1	13.5	12.1	12.3	12.5	12.7	13.1
	4H	12.5	12.8	12.9	13.1	13.5	12.1	12.4	12.5	12.8	13.2
	6H	12.4	12.7	12.9	13.1	13.5	12.1	12.3	12.5	12.7	13.1
	8H	12.4	12.6	12.9	13.0	13.5	12.0	12.2	12.5	12.6	13.1
	12H	12.4	12.5	12.9	13.0	13.5	12.0	12.1	12.5	12.6	13.1
12H	4H	12.4	12.7	12.8	13.1	13.5	12.1	12.3	12.5	12.7	13.1
	6H	12.4	12.6	12.9	13.0	13.5	12.0	12.2	12.5	12.6	13.1
	8H	12.4	12.5	12.9	13.0	13.5	12.0	12.1	12.5	12.6	13.1
	Variation of the observer position for the luminaire distances S										
	S = 1.0H	+4.6 / -4.5					+4.9 / -5.1				
S = 1.5H	+7.2 / -5.9					+7.5 / -6.6					
S = 2.0H	+9.2 / -6.9					+9.5 / -7.8					
Standard table	BK00					BK00					
Correction Summand	-5.8					-6.2					
Corrected Glare Indices referring to 8597lm Total Luminous Flux											

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GRIVEN AL3690 + AL3716 (half) Powershine D MK2 wide sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3716 (half) Powershine D MK2 wide sym
Lamps: 1 x 362-QL12-S05



Distance [m] Cone Diameter [m] Illuminance [lx]

- C0 - C180 (Half-value Angle: 43.0°)
- C90 - C270 (Half-value Angle: 43.2°)

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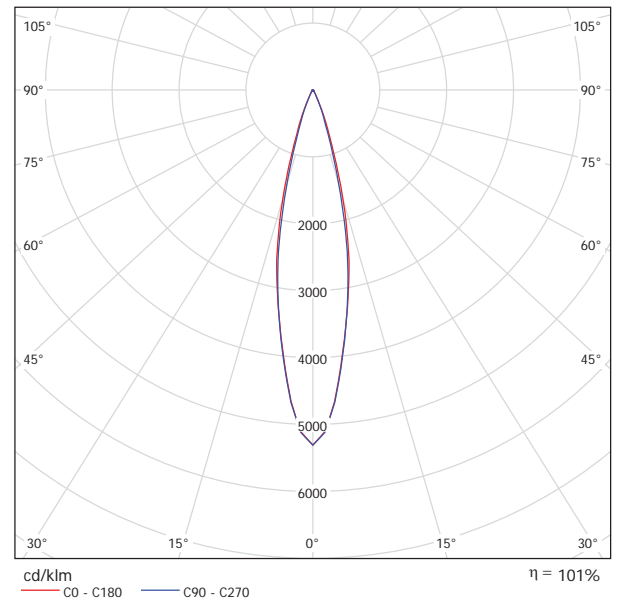
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GRIVEN AL3690 + AL3714 (half) Powershine D MK2 medium sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 98 99 100 100 105

GRIVEN AL3690 + AL3714 (half) Powershine D
MK2 medium sym

Article No.: AL3690 + AL3714

Luminous flux (Luminaire): 8742 lm

Luminous flux (Lamps): 8656 lm

Luminaire Wattage: 294.0 W

Luminaire classification according to CIE: 100

CIE flux code: 98 99 100 100 105

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

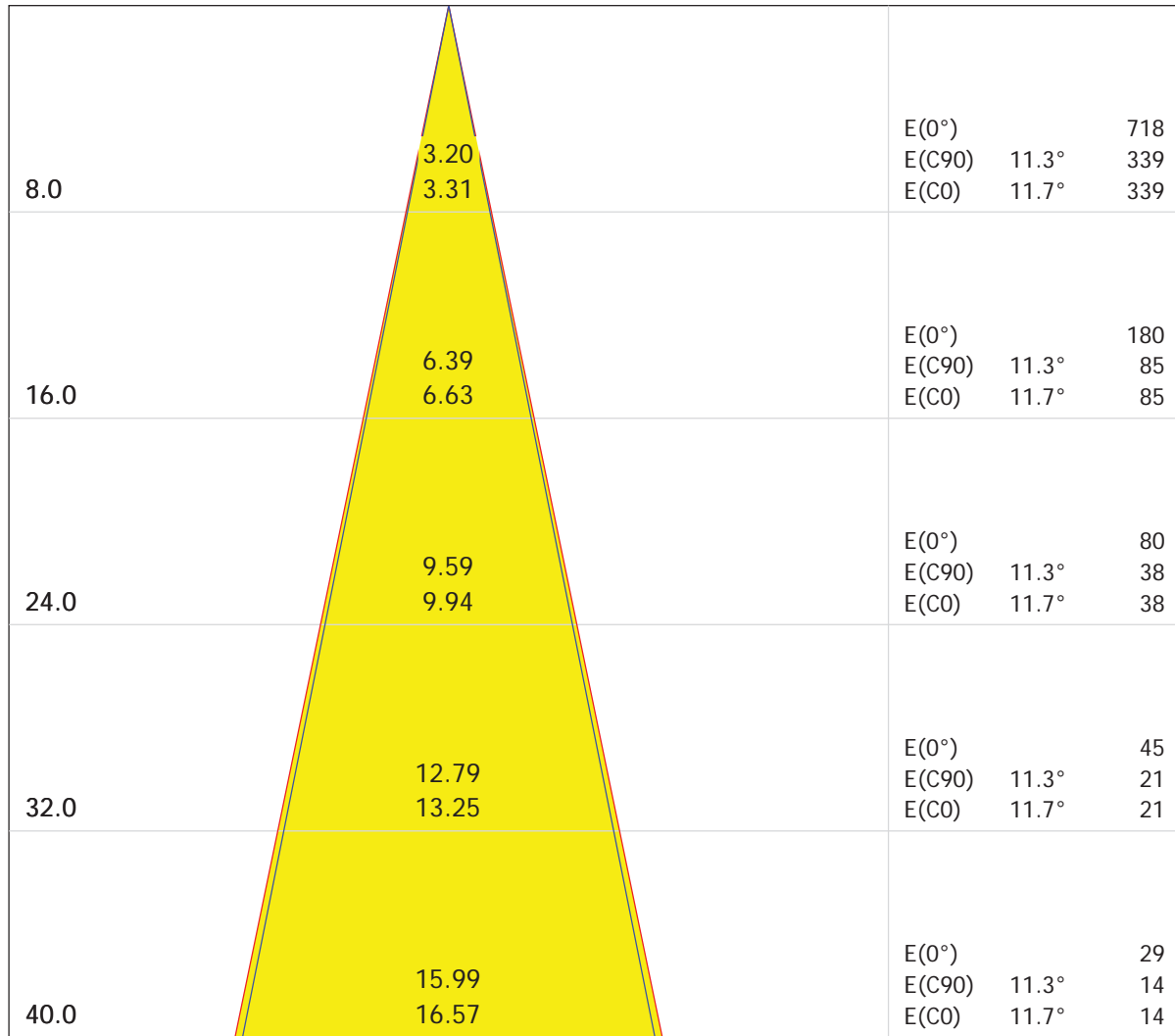
Glare Evaluation According to UGR											
	70	70	50	50	30	70	70	50	50	30	
n Ceiling											
n Walls	50	30	50	30	30	50	30	50	30	30	
n Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	7.3	8.0	7.6	8.2	8.4	6.9	7.5	7.1	7.7	7.9
	3H	7.6	8.2	7.9	8.4	8.6	7.1	7.7	7.4	7.9	8.1
	4H	7.7	8.2	8.0	8.5	8.7	7.1	7.7	7.4	7.9	8.2
	6H	7.7	8.2	8.0	8.5	8.8	7.1	7.6	7.4	7.9	8.2
	8H	7.7	8.2	8.0	8.5	8.8	7.1	7.6	7.4	7.9	8.2
	12H	7.7	8.1	8.0	8.4	8.7	7.0	7.5	7.4	7.8	8.1
4H	2H	7.4	7.9	7.7	8.2	8.4	7.0	7.6	7.3	7.8	8.1
	3H	7.7	8.2	8.1	8.5	8.8	7.3	7.7	7.6	8.0	8.4
	4H	7.9	8.3	8.2	8.6	8.9	7.3	7.8	7.7	8.1	8.4
	6H	7.9	8.3	8.3	8.6	9.0	7.4	7.7	7.8	8.1	8.4
	8H	7.9	8.2	8.3	8.6	9.0	7.3	7.6	7.8	8.0	8.4
	12H	7.9	8.2	8.4	8.6	9.0	7.3	7.6	7.8	8.0	8.4
8H	4H	7.8	8.1	8.3	8.5	8.9	7.3	7.6	7.7	8.0	8.4
	6H	7.9	8.1	8.4	8.6	9.0	7.4	7.6	7.8	8.0	8.4
	8H	7.9	8.1	8.4	8.6	9.0	7.3	7.5	7.8	8.0	8.4
	12H	7.9	8.1	8.4	8.5	9.0	7.3	7.5	7.8	7.9	8.4
	4H	7.8	8.1	8.2	8.5	8.9	7.3	7.6	7.7	8.0	8.4
	6H	7.9	8.1	8.3	8.5	9.0	7.3	7.5	7.8	7.9	8.4
12H	8H	7.9	8.0	8.4	8.5	9.0	7.3	7.5	7.8	7.9	8.4
	8H	7.9	8.0	8.4	8.5	9.0	7.3	7.5	7.8	7.9	8.4
Variation of the observer position for the luminaire distances S											
S = 1.0H	+1.9 / -1.4					+2.1 / -1.7					
S = 1.5H	+3.9 / -2.7					+4.0 / -3.0					
S = 2.0H	+5.6 / -3.6					+5.7 / -4.1					
Standard table	BK01					BK01					
Correction Summand	-10.1					-10.6					
Corrected Glare Indices referring to 8656lm Total Luminous Flux											

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GRIVEN AL3690 + AL3714 (half) Powershine D MK2 medium sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3714 (half) Powershine D MK2 medium sym
Lamps: 1 x 362-QL12-S04



Distance [m] Cone Diameter [m] Illuminance [lx]

- C0 - C180 (Half-value Angle: 23.4°)
- C90 - C270 (Half-value Angle: 22.6°)

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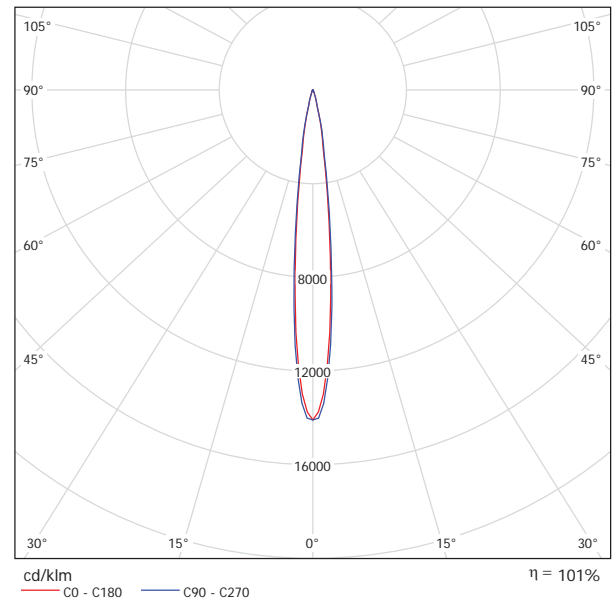
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GRIVEN AL3690 + AL3712 (half) Powershine D MK2 narrow sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 98 100 100 100 116

GRIVEN AL3690 + AL3712 (half) Powershine D
MK2 narrow sym

Article No.: AL3690 + AL3712

Luminous flux (Luminaire): 9630 lm

Luminous flux (Lamps): 9545 lm

Luminaire Wattage: 295.0 W

Luminaire classification according to CIE: 100

CIE flux code: 98 100 100 100 116

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

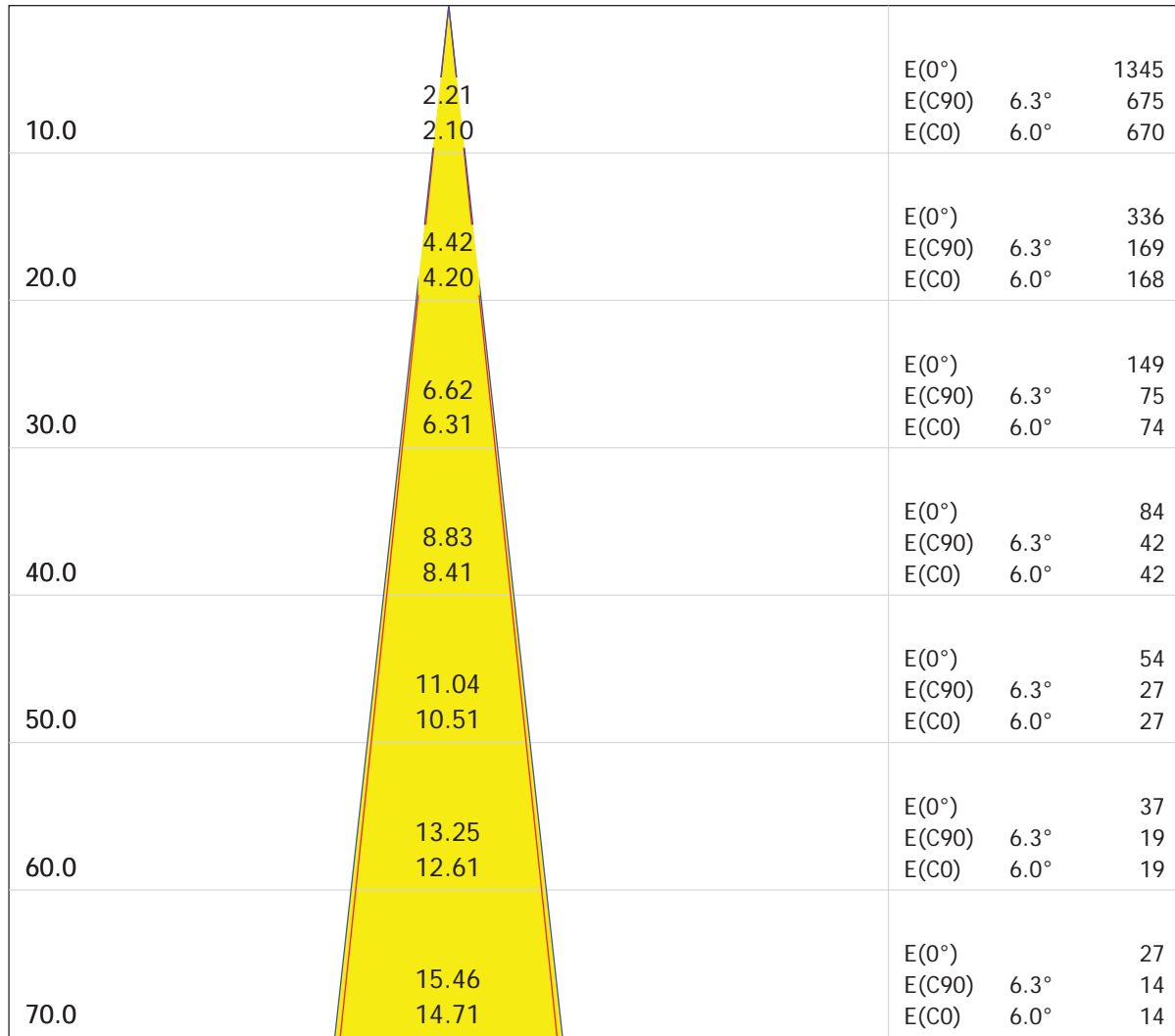
Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	6.8	7.4	7.0	7.6	7.8	6.0	6.6	6.2	6.8	7.0
	3H	7.1	7.7	7.4	8.0	8.2	6.2	6.8	6.5	7.0	7.3
	4H	7.2	7.8	7.5	8.0	8.3	6.2	6.8	6.5	7.1	7.3
	6H	7.3	7.8	7.6	8.1	8.4	6.3	6.8	6.6	7.0	7.3
	8H	7.3	7.8	7.6	8.1	8.4	6.2	6.7	6.6	7.0	7.3
4H	2H	6.9	7.4	7.2	7.7	7.9	6.2	6.7	6.5	7.0	7.2
	3H	7.3	7.8	7.6	8.1	8.4	6.4	6.9	6.8	7.2	7.5
	4H	7.4	7.8	7.8	8.2	8.5	6.5	6.9	6.9	7.3	7.6
	6H	7.5	7.9	7.9	8.2	8.6	6.6	6.9	7.0	7.3	7.7
	8H	7.6	7.9	8.0	8.2	8.6	6.6	6.9	7.0	7.3	7.7
8H	2H	7.4	7.7	7.8	8.1	8.5	6.5	6.8	6.9	7.2	7.6
	3H	7.5	7.7	8.0	8.2	8.6	6.6	6.8	7.0	7.2	7.7
	4H	7.6	7.8	8.0	8.2	8.7	6.6	6.8	7.1	7.2	7.7
	6H	7.6	7.8	8.1	8.2	8.7	6.6	6.8	7.1	7.2	7.7
	8H	7.4	7.6	7.8	8.0	8.4	6.5	6.8	6.9	7.2	7.6
12H	4H	7.5	7.7	8.0	8.1	8.6	6.6	6.7	7.0	7.2	7.7
	6H	7.5	7.7	8.0	8.1	8.6	6.6	6.7	7.0	7.2	7.7
	8H	7.5	7.7	8.0	8.2	8.6	6.6	6.7	7.1	7.2	7.7
Variation of the observer position for the luminaire distances S											
S = 1.0H	+0.7 / -0.9					+1.1 / -1.2					
S = 1.5H	+1.9 / -2.0					+2.6 / -2.7					
S = 2.0H	+3.2 / -3.3					+4.1 / -3.9					
Standard table	BK02					BK01					
Correction Summand	-9.8					-11.1					
Corrected Glare Indices referring to 9545lm Total Luminous Flux											

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GRIVEN AL3690 + AL3712 (half) Powershine D MK2 narrow sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3712 (half) Powershine D MK2 narrow sym
Lamps: 1 x 362-QL12-S03



Distance [m] Cone Diameter [m] Illuminance [lx]

- C0 - C180 (Half-value Angle: 12.0°)
- C90 - C270 (Half-value Angle: 12.6°)

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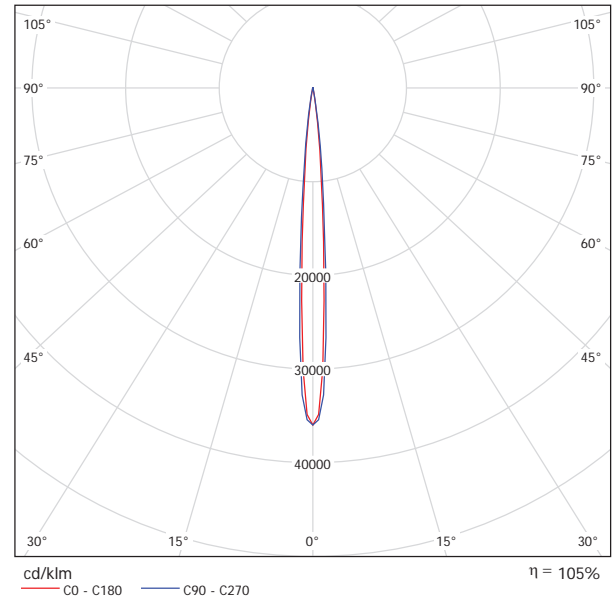
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GRIVEN AL3690 + AL3710 (half) Powershine D MK2 spot sym / Luminaire Data Sheet

Photometric data for one cluster!



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 98 100 100 100 131

GRIVEN AL3690 + AL3710 (half) Powershine D
MK2 spot sym

Article No.: AL3690 + AL3710

Luminous flux (Luminaire): 10158 lm

Luminous flux (Lamps): 9644 lm

Luminaire Wattage: 296.0 W

Luminaire classification according to CIE: 100

CIE flux code: 98 100 100 100 131

POWERSHINE MK2 D, using a total of 192 powerful RGBW LEDs, is the technologically advanced edition of its renowned architectural wall washer forerunner, whose significantly enhanced output performance will set the industry standard bar higher. This double cluster configuration LED projector offers full independent digital control of each LED bank and is available with a vast choice of optics for the maximum lighting design flexibility. The combination of RGBW LEDs provides an unprecedented astonishing white light output quality, as well as a wider variety of intermediate colour hues for an even broader range of application purposes. POWERSHINE MK2 D Polar Edition features an integrated de-icing system with electrically heated glass, which assures a comfortable functioning even in the utmost severe cold weather conditions.

Luminous emittance 1:

Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	4.8	5.5	5.1	5.7	5.9	4.0	4.6	4.2	4.8	5.0
	3H	5.3	5.9	5.6	6.2	6.4	4.3	4.9	4.6	5.1	5.4
	4H	5.5	6.0	5.8	6.3	6.5	4.3	4.9	4.6	5.2	5.4
	6H	5.6	6.1	5.9	6.3	6.6	4.4	4.9	4.7	5.1	5.4
	8H	5.6	6.1	5.9	6.3	6.6	4.4	4.8	4.7	5.1	5.4
4H	2H	5.1	5.6	5.4	5.9	6.1	4.4	4.9	4.7	5.2	5.4
	3H	5.6	6.1	5.9	6.4	6.7	4.7	5.2	5.0	5.5	5.8
	4H	5.8	6.2	6.1	6.5	6.8	4.8	5.2	5.1	5.5	5.8
	6H	5.9	6.2	6.3	6.6	7.0	4.8	5.2	5.2	5.5	5.9
	8H	5.9	6.2	6.3	6.6	7.0	4.8	5.1	5.2	5.5	5.9
8H	2H	6.0	6.2	6.4	6.6	7.0	4.8	5.1	5.3	5.5	5.9
	4H	5.7	6.0	6.1	6.4	6.8	4.8	5.1	5.2	5.4	5.8
	6H	5.9	6.1	6.3	6.5	6.9	4.8	5.1	5.3	5.5	5.9
	8H	5.9	6.1	6.4	6.6	7.0	4.9	5.0	5.3	5.5	6.0
	12H	6.0	6.1	6.5	6.6	7.1	4.9	5.0	5.4	5.5	6.0
12H	4H	5.7	5.9	6.1	6.3	6.8	4.7	5.0	5.2	5.4	5.8
	6H	5.8	6.0	6.3	6.5	6.9	4.8	5.0	5.3	5.4	5.9
	8H	5.9	6.0	6.4	6.5	7.0	4.9	5.0	5.3	5.5	6.0
Variation of the observer position for the luminaire distances S											
S = 1.0H	+0.7 / -0.3					+0.6 / -0.5					
S = 1.5H	+1.2 / -1.2					+1.4 / -1.9					
S = 2.0H	+2.4 / -3.3					+2.5 / -3.7					
Standard table	BK02					BK02					
Correction Summand	-11.1					-12.1					
Corrected Glare Indices referring to 9644lm Total Luminous Flux											

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GRIVEN AL3690 + AL3710 (half) Powershine D MK2 spot sym / Cone Diagram

Luminaire: GRIVEN AL3690 + AL3710 (half) Powershine D MK2 spot sym
Lamps: 1 x 362-QL12-S02

17.5	2.63 2.26	E(0°) 1133 E(C90) 4.3° 562 E(C0) 3.7° 574
35.0	5.26 4.53	E(0°) 283 E(C90) 4.3° 141 E(C0) 3.7° 143
52.5	7.89 6.79	E(0°) 126 E(C90) 4.3° 62 E(C0) 3.7° 64
70.0	10.53 9.05	E(0°) 71 E(C90) 4.3° 35 E(C0) 3.7° 36
87.5	13.16 11.32	E(0°) 45 E(C90) 4.3° 22 E(C0) 3.7° 23
105.0	15.79 13.58	E(0°) 31 E(C90) 4.3° 16 E(C0) 3.7° 16

Distance [m] Cone Diameter [m] Illuminance [lx]

- C0 - C180 (Half-value Angle: 7.4°)
- C90 - C270 (Half-value Angle: 8.6°)