

# ActiMedia Collection By Night - IGU

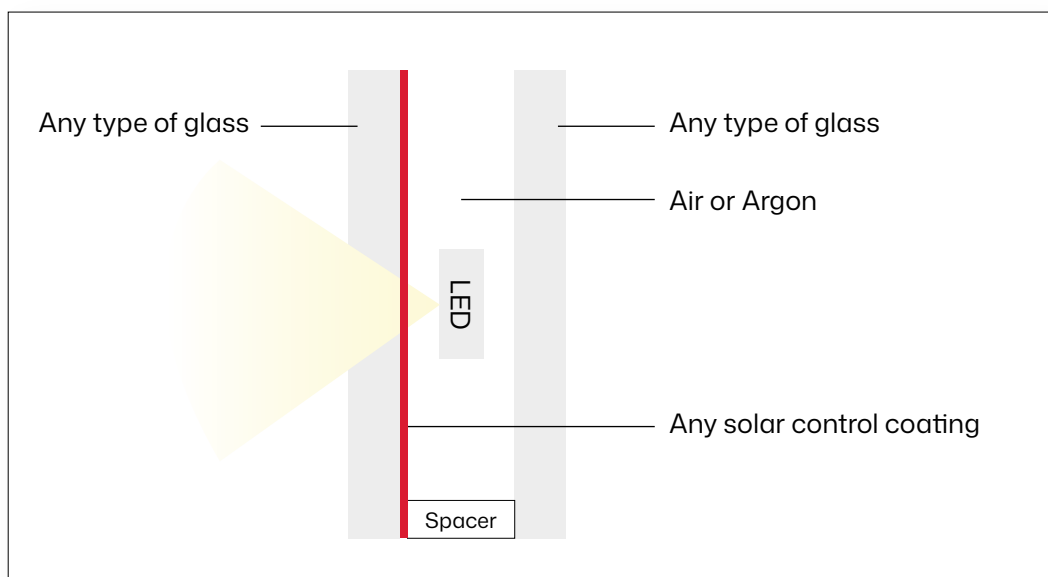


## A second life after sunset

Discreet LEDs embedded in the façade modules—whether in glass or metallic cladding—keep the façade calm and neutral during the day. When the sun sets, it reveals a second life, transforming into a gigantic screen that illuminates the neighbourhood with spectacular videos and animations, visible from afar.

## Characteristics

- Double glass unit
- LEDs embedded in the glass
- Distance of 50 mm and up between the LEDs
- Viewing distance of 30 m and beyond depending on the distance between the LEDs
- Discreet thin stripes integrating the LEDs
- Visible from dusk till dawn
- Very low power consumption
- 1 or 2 cables per unit only
- High level of redundancy - Failure safeguarding
- No maintenance required on the panels, only on the control system



	«By Night» - IGU	50mm	70mm	100mm
<b>Composition</b>	Front glass	From 6 to 12 mm		
	Back glass	From 6 to 12 mm		
	Glass Coating	Any coating on front and back glass		
	Glass Treatment	Any heat treatment		
	See Through rate	96%	97%	98%
	Maximum size	4500 X 2000		
	Protection Class	Outdoor (Similar to IP66)		
	Internal Reflection	Typically 4%		
	Additional Weight per m <sup>2</sup>	< 2kg/m <sup>2</sup>		
<b>LED</b>	Color	RGB Full Color		
	LED Maker	Brightek		
	LED pitch <sup>2</sup>	50mm X 50mm	71mm X 71mm	100mm X 100mm
	Pixels per m <sup>2</sup>	400 pixels/m <sup>2</sup>	200 pixels/m <sup>2</sup>	100 pixels/m <sup>2</sup>
	Brightness per led <sup>3</sup>	15cd		
	Brightness <sup>3</sup>	600 nits	300 nits	150 nits
	Viewing Angle	H >120° , V >120°		
	Refresh Rate	up to 60hz		
	Color Depth	48 bit (16 bit per color)		
	Led size	2mm X 2mm		
	PCB width	2mm		
	PCB color	Custom (standard Black Matt)		
	Life Time	>100.000 h		
<b>Electricity</b>	Main Supply Voltage	48V		
	Input Current per m <sup>2</sup> <sup>3</sup>	1.5A/m <sup>2</sup>	0.75A/m <sup>2</sup>	0.375A/m <sup>2</sup>
	Max Power Consumption (Panel)	50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
	Average Power Consumption (Panel)	50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
	PSU Input	110V to 220V		
<b>Heat</b>	Temperature monitoring	Up to 2 Sensors Per panel		
	Storage Temperature	-40 to 100°C (IGU Spacer)		
	Operating Temperature <sup>4</sup>	-40 to 80°C (IGU Spacer)		
<b>Installation</b>	Attachment method <sup>5</sup>	Unitized System, Stick system, Structural systems		
	Quantity of cables	Maximum 2		
	Extension cables	Up to 100m		
	Additional Frames	No additional frames required		
<b>Warranty</b>	Product warranty	5 years		
	Performance warranty	10 years - 75% brightness. 20 years - 50% brightness		

<sup>2</sup> For smaller led distances, see the Sharp datasheet or ask for a custom solution

<sup>3</sup> This are values with 1 led per pixel. Several led per pixel can be used to increase brightness. If dayview is required see the Bright datasheet

<sup>4</sup> If dayview operation is required see the Bright datasheet

<sup>5</sup> For spider system see At Night - Laminated datasheet

<sup>6</sup> At typical use which is 6 hours per day for this product range

# ActiMedia Collection By Night - Glass laminate

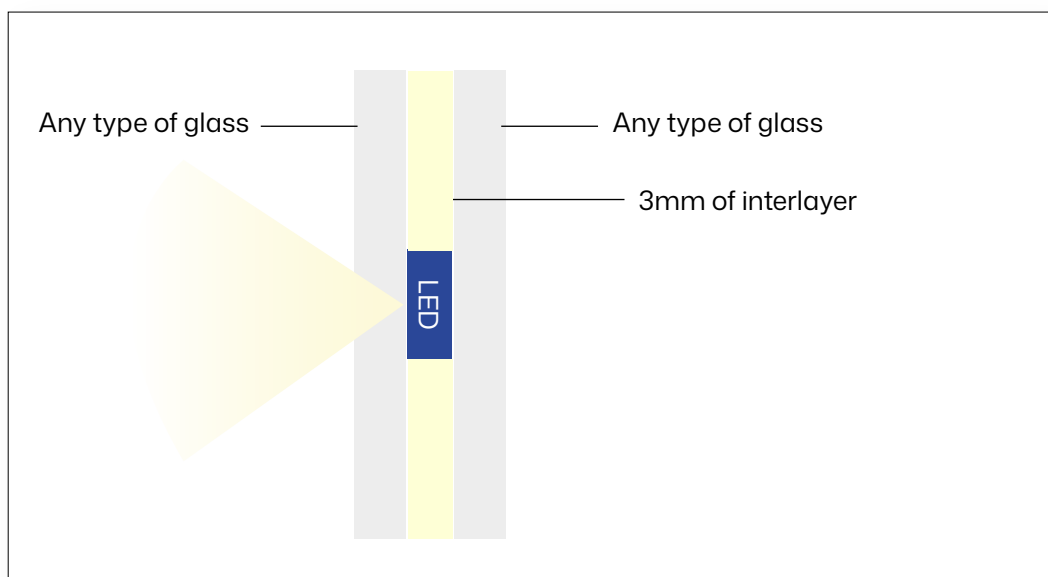


## A second life after sunset

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## Characteristics

- 2 laminated transparent glass panes
- LEDs embedded in the glass
- Distance of 50 mm and up between the LEDs
- Viewing distance of 30 m and beyond depending on the distance between the LEDs
- Discreet thin stripes integrating the LEDs
- Visible from dusk till dawn
- Very low power consumption
- 1 or 2 cables per unit only
- High level of redundancy - Failure safeguarding
- No maintenance required on the panels, only on the control system



	«By Night» - Laminate	50mm	70mm	100mm
<b>Composition</b>	Front glass	From 6 to 12 mm		
	Back glass	From 6 to 12 mm		
	Glass Coating	Any coating on front and back glass		
	Glass Treatment	Any heat treatment		
	See Through rate	96%	97%	98%
	Maximum size	4500 X 2000		
	Protection Class	Indoor or Outdoor (Similar to IP66)		
	Internal Reflection	Typically 4%		
	Additional Weight per m <sup>2</sup>	< 2kg/m <sup>2</sup>		
<b>LED</b>	Color	RGB Full Color		
	LED Maker	Brightek		
	LED pitch <sup>1</sup>	50mm X 50mm	71mm X 71mm	100mm X 100mm
	Pixels per m <sup>2</sup>	400 pixels/m <sup>2</sup>	200 pixels/m <sup>2</sup>	100 pixels/m <sup>2</sup>
	Brightness per led <sup>2</sup>	15cd		
	Brightness <sup>2</sup>	600 nits	300 nits	150 nits
	Viewing Angle	H >120° , V >120°		
	Refresh Rate	up to 60hz		
	Color Depth	48 bit (16 bit per color)		
	Led size	2mm X 2mm		
	PCB width	2mm		
	PCB color	Custom (standard Black Matt)		
	Life Time	>100.000 h		
<b>Electricity</b>	Main Supply Voltage	48V		
	Input Current per m <sup>2</sup> <sup>2</sup>	1.5A/m <sup>2</sup>	0.75A/m <sup>2</sup>	0.375A/m <sup>2</sup>
	Max Power Consumption (Panel)	50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
	Average Power Consumption (Panel)	50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
	PSU Input	110V to 220V		
<b>Heat</b>	Temperature monitoring	Up to 2 Sensors Per panel		
	Storage Temperature	-40 to 60°C (Ambient air)		
	Operating Temperature	-40 to 50°C (Ambient air)		
<b>Installation</b>	Attachment method	Unitized System, Stick system, Structural systems, Spider system		
	Quantity of cables	Maximum 2		
	Extension cables	Up to 100m		
	Additional Frames	No additional frames required		
<b>Warranty</b>	Product warranty	5 years		
	Performance warranty <sup>3</sup>	10 years - 75% brightness. 20 years - 50% brightness		

<sup>1</sup> For smaller led distances, see the Sharp datasheet or ask for a custom solution

<sup>2</sup> This are values with 1 led per pixel. Several led per pixel can be used to increase brightness.

<sup>3</sup> At typical use which is 6 hours per day for this product range

# ActiMedia Collection By Night - Metal

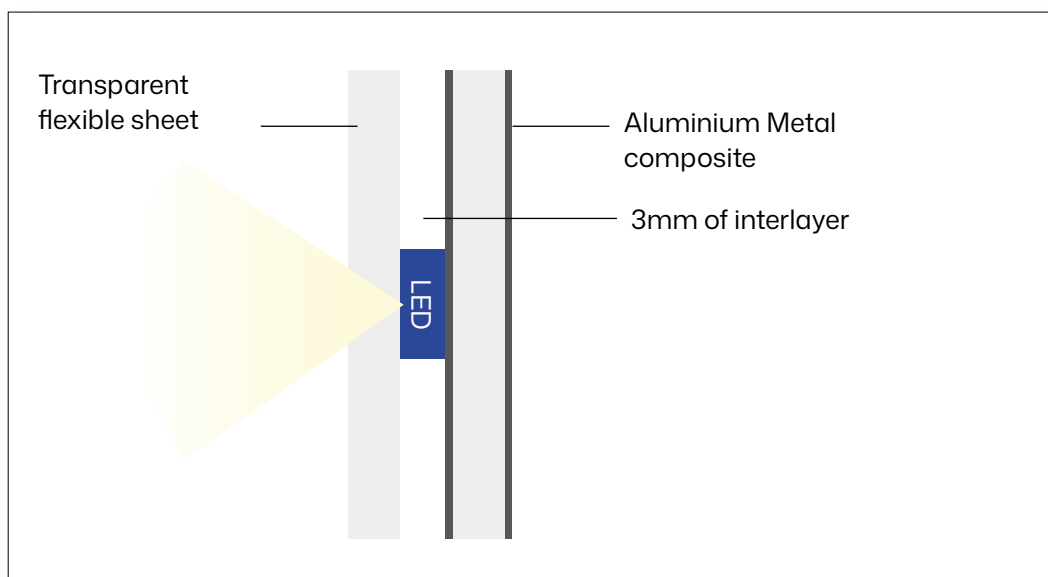


## A second life after sunset

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## Characteristics

- Metal or ACM cladding
- LEDs embedded on the cladding
- Distance of 50 mm and up between the LEDs
- Viewing distance of 30 m and beyond depending on the distance between the LEDs
- Visible from dusk till dawn
- Very low power consumption
- 1 or 2 cables per unit only
- Metallic clad: Screws or cassette attachment system
- High level of redundancy – Failure safeguarding
- No maintenance required on the panels, only on the control system



	«By Night» - Metal	50mm	70mm	100mm
<b>Composition</b>	Front material	Transparent flexible sheet		
	Panel Color	See color pallet (standard White or Black)		
	Back substrate	Aluminium (2mm or higher, ACM, other materials on demand)		
	Maximum size	4500 X 1200		
	Protection Class	Indoor or Outdoor (Similar to IP66)		
	Additional Weight per m <sup>2</sup>	< 5kg/m <sup>2</sup>		
	Additional thickness per m <sup>2</sup>	<3mm		
<b>LED</b>	Color	RGB Full Color		
	LED Maker	Brightek		
	LED pitch <sup>1</sup>	50mm X 50mm	71mm X 71mm	100mm X 100mm
	Pixels per m <sup>2</sup>	400 pixels/m <sup>2</sup>	200 pixels/m <sup>2</sup>	100 pixels/m <sup>2</sup>
	Brightness per led <sup>2</sup>	15cd		
	Brightness <sup>2</sup>	600 nits	300 nits	150 nits
	Viewing Angle	H >120° , V >120°		
	Refresh Rate	up to 60hz		
	Color Depth	48 bit (16 bit per color)		
	Led size	2mm X 2mm		
	Life Time	>100.000 h		
	<b>Electricity</b>	Main Supply Voltage	48V	
Input Current per m <sup>2</sup> <sup>2</sup>		1.5A/m <sup>2</sup>	0.75A/m <sup>2</sup>	0.375A/m <sup>2</sup>
Max Power Consumption (Panel)		50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
Average Power Consumption (Panel)		50W/m <sup>2</sup>	25W/m <sup>2</sup>	12.5W/m <sup>2</sup>
PSU Input		110V to 220V		
<b>Heat</b>	Temperature monitoring	Up to 2 Sensors Per panel		
	Storage Temperature	-40 to 60°C (Ambiant air)		
	Operating Temperature	-40 to 50°C (Ambiant air)		
<b>Installation</b>	Attachment method	Cassette attachment system or Screw attachment system		
	Quantity of cables	Maximum 2		
	Extension cables	Up to 100m		
	Additional Frames	No additional frames required		
<b>Warranty</b>	Product warranty	5 years		
	Performance warranty <sup>3</sup>	10 years - 75% brightness. 20 years - 50% brightness		

Additional colors available upon request



Colors are for preview purposes; the exact color depends on the material and lighting.

<sup>1</sup> For smaller led distances, see the Sharp datasheet or ask for a custom solution

<sup>2</sup> This are values with 1 led per pixel. Several led per pixel can be used to increase brightness.

<sup>3</sup> At typical use which is 6 hours per day for this product range