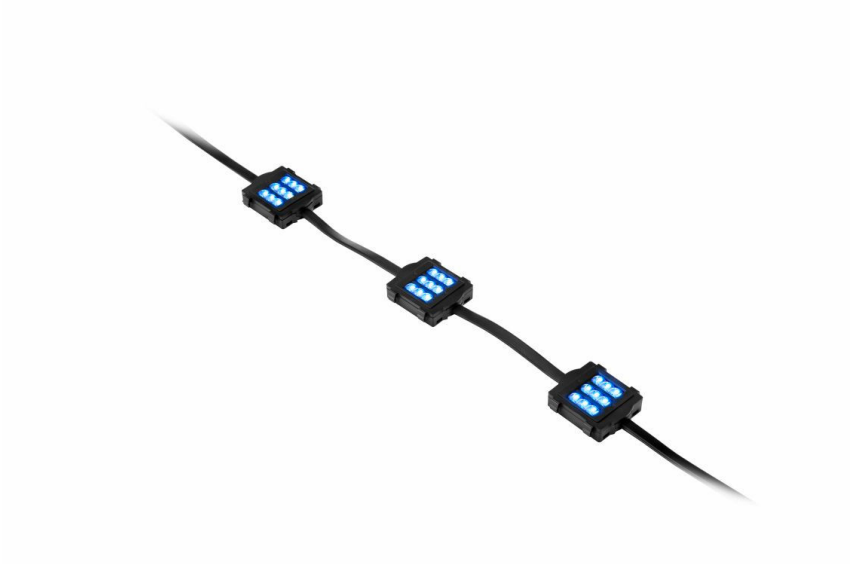
PHILIPS

UniString

BWS300



Direct View Pixel Luminaires for Creative Architectural and Media Façade Applications

UniString is a surface mounted, exterior-rated and compact sized architectural LED direct view string that is designed for architectural and media façade outdoor lighting applications. The robust mechanical design, easy installation and unique optical lenses make UniString ideal for buildings/media facades, bridges, arenas, theaters, amusement parks and recreational centers. Available in white, monochromatic colors, RGB, RGBW and tunable white. Available in symmetrical and asymmetrical optical distributions with DMX control option to give architects and designers the freedom to explore a wide range of concepts and design with no limitations.

Benefits

- Available in three sizes and three power ranges to fit any application requirements.
- Robust Design & IP66 rating for outdoor use.
- Asymmetric beam option available to provide higher efficiency, better visual clearance and reduce lighting pollution in tall buildings and towers
- Through wiring for power and DMX data via IP67 connectors
- Available in track and surface mounting options

Applications

- Bridges, Monuments, Facades
- Landscape
- Parks and Plazas

Features

- Standard: RGBW, RGB, 2700K, 3000K and 4000K
- Optional 5000K, Monochromatic Colors and Tunable Wh
- Standard pixel pitch of 125mm (center-to-center) for small and medium sizes

- Standard pixel pitch of 200mm (center-to-center) for large size
- Customized mounting tracks available (sold separately)
- For outdoor use only

Versions



159A0582



159A0723



159A0820



159A0835



159A0821



159A0794



159A0345



159A0331



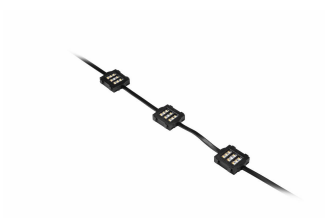
159A0639



159A0818



159A0361



159A0249

159A0644



159A0588



159A0814



159A0652



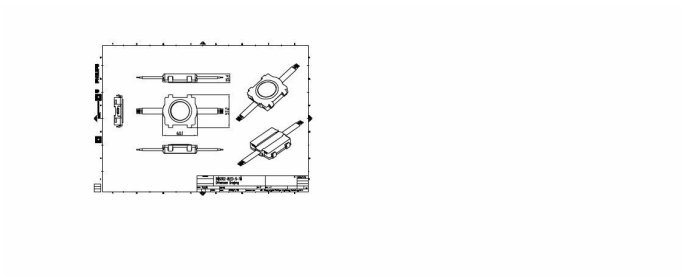
159A0659



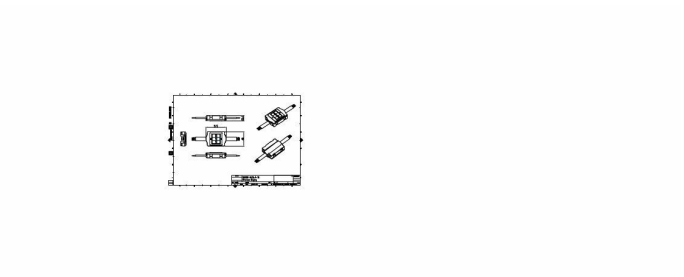
159A0649



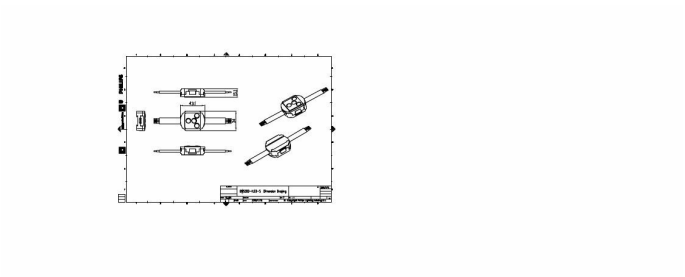
Dimensional drawing



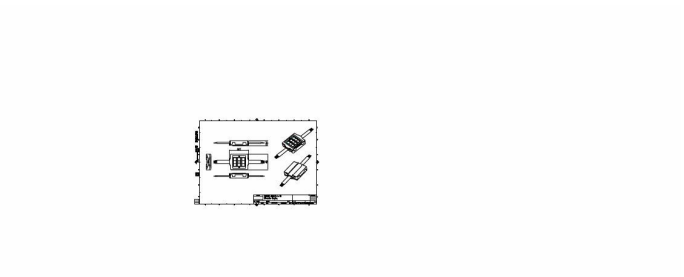
BWS302



BWS301



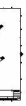
BWS300



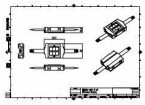
BWS302



BWS301



BWS300



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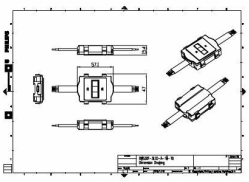

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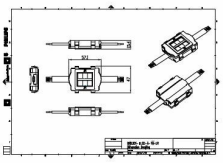

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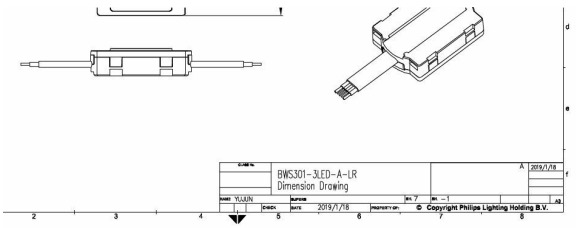

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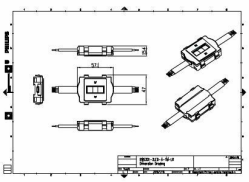
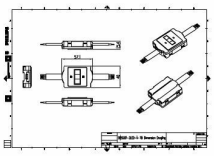


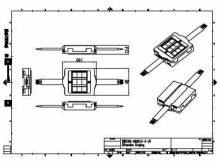
BWS301



BWS302



BWS301



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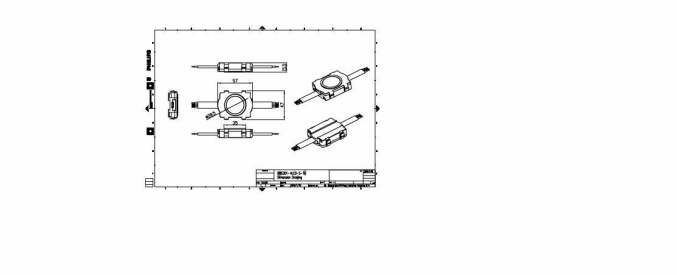
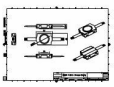
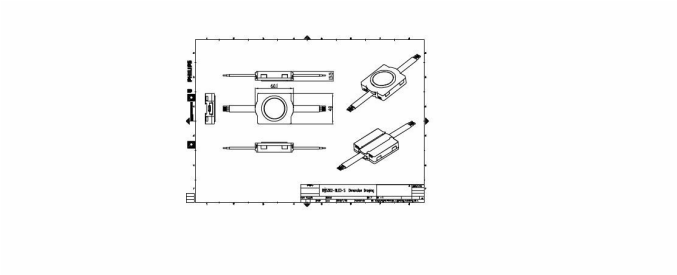


BWS301



BWS301



BWS302

General Information

Light source replaceable	No
Driver included	No

Controls and Dimming

Maximum dim level	5%

Mechanical and Housing

Housing Color	Black
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Optical cover type	Polycarbonate bowl/cover clear

Approval and Application

Glow-wire test	Temperature 750 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Light source color	Luminaire light beam spread
911401754042	BWS302 8LED 27K 24V A TB N10P20	126 lm	2700 K	80	Warm white	85° x 110°
911401754122	BWS302 8LED 30K 24V A TB N10P20	126 lm	3000 K	80	Warm white	85° x 110°
911401754202	BWS302 8LED 40K 24V A TB N10P20	134 lm	4000 K	80	Neutral white	85° x 110°
911401753372	BWS301 6LED 27K 24V S TM N16P12	101 lm	2700 K	80	Warm white	110° x 110°
911401753412	BWS301 6LED 30K 24V S TM N16P12	101 lm	3000 K	80	Warm white	110° x 110°
911401753452	BWS301 6LED 40K 24V S TM N16P12	108 lm	4000 K	80	Neutral white	110° x 110°
911401753082	BWS301 3LED 27K 15V A LR N16P12	51 lm	2700 K	80	Warm white	85° x 110°
911401753162	BWS301 3LED 30K 15V A LR N16P12	51 lm	3000 K	80	Warm white	85° x 110°
911401753242	BWS301 3LED 40K 15V A LR N16P12	55 lm	4000 K	80	Neutral white	85° x 110°
911401752922	BWS300 4LED 27K 15V S N16P12	67 lm	2700 K	80	Warm white	110° x 110°
911401752962	BWS300 4LED 30K 15V S N16P12	67 lm	3000 K	80	Warm white	110° x 110°
911401753002	BWS300 4LED 40K 15V S N16P12	71 lm	4000 K	80	Neutral white	110° x 110°
911401753522	BWS301 6LED 27K 24V A LR N16P12	87 lm	2700 K	80	Warm white	85° x 110°
911401753602	BWS301 6LED 30K 24V A LR N16P12	87 lm	3000 K	80	Warm white	85° x 110°
911401753682	BWS301 6LED 40K 24V A LR N16P12	92 lm	4000 K	80	Neutral white	85° x 110°
911401753362	BWS301 6LED 27K 24V S N16P12	101 lm	2700 K	80	Warm white	110° x 110°
911401753402	BWS301 6LED 30K 24V S N16P12	101 lm	3000 K	80	Warm white	110° x 110°
911401753442	BWS301 6LED 40K 24V S N16P12	108 lm	4000 K	80	Neutral white	110° x 110°
911401753852	BWS302 8LED 27K 24V S TM N10P20	142 lm	2700 K	80	Warm white	110° x 110°
911401753892	BWS302 8LED 30K 24V S TM N10P20	142 lm	3000 K	80	Warm white	110° x 110°
911401753932	BWS302 8LED 40K 24V S TM N10P20	151 lm	4000 K	80	Neutral white	110° x 110°
911401753992	BWS302 9LED RGBNW 24V S DMX TM N10P20	53 lm	-	-	Red, green, blue and white	110° x 110°
911401752932	BWS300 4LED 27K 15V S TM N16P12	67 lm	2700 K	80	Warm white	110° x 110°
911401752972	BWS300 4LED 30K 15V S TM N16P12	67 lm	3000 K	80	Warm white	110° x 110°
911401753012	BWS300 4LED 40K 15V S TM N16P12	71 lm	4000 K	80	Neutral white	110° x 110°
911401753122	BWS301 3LED 27K 15V A TB N16P12	51 lm	2700 K	80	Warm white	85° x 110°
911401753202	BWS301 3LED 30K 15V A TB N16P12	51 lm	3000 K	80	Warm white	85° x 110°
911401753282	BWS301 3LED 40K 15V A TB N16P12	55 lm	4000 K	80	Neutral white	85° x 110°
911401753842	BWS302 8LED 27K 24V S N10P20	142 lm	2700 K	80	Warm white	110° x 110°
911401753882	BWS302 8LED 30K 24V S N10P20	142 lm	3000 K	80	Warm white	110° x 110°
911401753922	BWS302 8LED 40K 24V S N10P20	151 lm	4000 K	80	Neutral white	110° x 110°
911401754052	BWS302 8LED 27K 24V A TM TB N10P20	126 lm	2700 K	80	Warm white	85° x 110°
911401754132	BWS302 8LED 30K 24V A TM TB N10P20	126 lm	3000 K	80	Warm white	85° x 110°
911401754212	BWS302 8LED 40K 24V A TM TB N10P20	134 lm	4000 K	80	Neutral white	85° x 110°
911401753572	BWS301 6LED 27K 24V A TM TB N16P12	87 lm	2700 K	80	Warm white	85° x 110°
911401753652	BWS301 6LED 30K 24V A TM TB N16P12	87 lm	3000 K	80	Warm white	85° x 110°
911401753732	BWS301 6LED 40K 24V A TM TB N16P12	92 lm	4000 K	80	Neutral white	85° x 110°
911401754002	BWS302 8LED 27K 24V A LR N10P20	126 lm	2700 K	80	Warm white	85° x 110°
911401754082	BWS302 8LED 30K 24V A LR N10P20	126 lm	3000 K	80	Warm white	85° x 110°

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Light source color	Luminaire light beam spread
911401754162	BWS302 8LED 40K 24V A LR N10P20	134 lm	4000 K	80	Neutral white	85° x 110°
911401753562	BWS301 6LED 27K 24V A TB N16P12	87 lm	2700 K	80	Warm white	85° x 110°
911401753642	BWS301 6LED 30K 24V A TB N16P12	87 lm	3000 K	80	Warm white	85° x 110°
911401753722	BWS301 6LED 40K 24V A TB N16P12	92 lm	4000 K	80	Neutral white	85° x 110°
911401753132	BWS301 3LED 27K 15V A TM TB N16P12	51 lm	2700 K	80	Warm white	85° x 110°
911401753212	BWS301 3LED 30K 15V A TM TB N16P12	51 lm	3000 K	80	Warm white	85° x 110°
911401753292	BWS301 3LED 40K 15V A TM TB N16P12	55 lm	4000 K	80	Neutral white	85° x 110°
911401753092	BWS301 3LED 27K 15V A TM LR N16P12	51 lm	2700 K	80	Warm white	85° x 110°
911401753172	BWS301 3LED 30K 15V A TM LR N16P12	51 lm	3000 K	80	Warm white	85° x 110°
911401753252	BWS301 3LED 40K 15V A TM LR N16P12	55 lm	4000 K	80	Neutral white	85° x 110°
911401753532	BWS301 6LED 27K 24V A TM LR N16P12	87 lm	2700 K	80	Warm white	85° x 110°
911401753612	BWS301 6LED 30K 24V A TM LR N16P12	87 lm	3000 K	80	Warm white	85° x 110°
911401753692	BWS301 6LED 40K 24V A TM LR N16P12	92 lm	4000 K	80	Neutral white	85° x 110°

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401754042	BWS302 8LED 27K 24V A TB N10P20	20 W
911401754122	BWS302 8LED 30K 24V A TB N10P20	20 W
911401754202	BWS302 8LED 40K 24V A TB N10P20	20 W
911401753372	BWS301 6LED 27K 24V S TM N16P12	24 W
911401753412	BWS301 6LED 30K 24V S TM N16P12	24 W
911401753452	BWS301 6LED 40K 24V S TM N16P12	24 W
911401753082	BWS301 3LED 27K 15V A LR N16P12	16 W
911401753162	BWS301 3LED 30K 15V A LR N16P12	16 W
911401753242	BWS301 3LED 40K 15V A LR N16P12	16 W
911401752922	BWS300 4LED 27K 15V S N16P12	16 W
911401752962	BWS300 4LED 30K 15V S N16P12	16 W
911401753002	BWS300 4LED 40K 15V S N16P12	16 W
911401753522	BWS301 6LED 27K 24V A LR N16P12	24 W
911401753602	BWS301 6LED 30K 24V A LR N16P12	24 W
911401753682	BWS301 6LED 40K 24V A LR N16P12	24 W
911401753362	BWS301 6LED 27K 24V S N16P12	24 W
911401753402	BWS301 6LED 30K 24V S N16P12	24 W
911401753442	BWS301 6LED 40K 24V S N16P12	24 W
911401753852	BWS302 8LED 27K 24V S TM N10P20	20 W
911401753892	BWS302 8LED 30K 24V S TM N10P20	20 W
911401753932	BWS302 8LED 40K 24V S TM N10P20	20 W
911401753992	BWS302 9LED RGBNW 24V S DMX TM N10P20	2 W
911401752932	BWS300 4LED 27K 15V S TM N16P12	16 W

Order Code	Full Product Name	Power Consumption
911401752972	BWS300 4LED 30K 15V S TM N16P12	16 W
911401753012	BWS300 4LED 40K 15V S TM N16P12	16 W
911401753122	BWS301 3LED 27K 15V A TB N16P12	16 W
911401753202	BWS301 3LED 30K 15V A TB N16P12	16 W
911401753282	BWS301 3LED 40K 15V A TB N16P12	16 W
911401753842	BWS302 8LED 27K 24V S N10P20	20 W
911401753882	BWS302 8LED 30K 24V S N10P20	20 W
911401753922	BWS302 8LED 40K 24V S N10P20	20 W
911401754052	BWS302 8LED 27K 24V A TM TB N10P20	20 W
911401754132	BWS302 8LED 30K 24V A TM TB N10P20	20 W
911401754212	BWS302 8LED 40K 24V A TM TB N10P20	20 W
911401753572	BWS301 6LED 27K 24V A TM TB N16P12	24 W
911401753652	BWS301 6LED 30K 24V A TM TB N16P12	24 W
911401753732	BWS301 6LED 40K 24V A TM TB N16P12	24 W
911401754002	BWS302 8LED 27K 24V A LR N10P20	20 W
911401754082	BWS302 8LED 30K 24V A LR N10P20	20 W
911401754162	BWS302 8LED 40K 24V A LR N10P20	20 W
911401753562	BWS301 6LED 27K 24V A TB N16P12	24 W
911401753642	BWS301 6LED 30K 24V A TB N16P12	24 W
911401753722	BWS301 6LED 40K 24V A TB N16P12	24 W
911401753132	BWS301 3LED 27K 15V A TM TB N16P12	16 W
911401753212	BWS301 3LED 30K 15V A TM TB N16P12	16 W
911401753292	BWS301 3LED 40K 15V A TM TB N16P12	16 W
911401753092	BWS301 3LED 27K 15V A TM LR N16P12	16 W
911401753172	BWS301 3LED 30K 15V A TM LR N16P12	16 W
911401753252	BWS301 3LED 40K 15V A TM LR N16P12	16 W
911401753532	BWS301 6LED 27K 24V A TM LR N16P12	24 W
911401753612	BWS301 6LED 30K 24V A TM LR N16P12	24 W
911401753692	BWS301 6LED 40K 24V A TM LR N16P12	24 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
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911401754122	BWS302 8LED 30K 24V A TB N10P20	No
911401754202	BWS302 8LED 40K 24V A TB N10P20	No
911401753372	BWS301 6LED 27K 24V S TM N16P12	No
911401753412	BWS301 6LED 30K 24V S TM N16P12	No
911401753452	BWS301 6LED 40K 24V S TM N16P12	No
911401753082	BWS301 3LED 27K 15V A LR N16P12	No
911401753162	BWS301 3LED 30K 15V A LR N16P12	No
911401753242	BWS301 3LED 40K 15V A LR N16P12	No

Order Code	Full Product Name	Dimmable
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911401752962	BWS300 4LED 30K 15V S N16P12	No
911401753002	BWS300 4LED 40K 15V S N16P12	No
911401753522	BWS301 6LED 27K 24V A LR N16P12	No
911401753602	BWS301 6LED 30K 24V A LR N16P12	No
911401753682	BWS301 6LED 40K 24V A LR N16P12	No
911401753362	BWS301 6LED 27K 24V S N16P12	No
911401753402	BWS301 6LED 30K 24V S N16P12	No
911401753442	BWS301 6LED 40K 24V S N16P12	No
911401753852	BWS302 8LED 27K 24V S TM N10P20	No
911401753892	BWS302 8LED 30K 24V S TM N10P20	No
911401753932	BWS302 8LED 40K 24V S TM N10P20	No
911401753992	BWS302 9LED RGBNW 24V S DMX TM N10P20	Yes
911401752932	BWS300 4LED 27K 15V S TM N16P12	No
911401752972	BWS300 4LED 30K 15V S TM N16P12	No
911401753012	BWS300 4LED 40K 15V S TM N16P12	No
911401753122	BWS301 3LED 27K 15V A TB N16P12	No
911401753202	BWS301 3LED 30K 15V A TB N16P12	No
911401753282	BWS301 3LED 40K 15V A TB N16P12	No
911401753842	BWS302 8LED 27K 24V S N10P20	No
911401753882	BWS302 8LED 30K 24V S N10P20	No
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911401753652	BWS301 6LED 30K 24V A TM TB N16P12	No
911401753732	BWS301 6LED 40K 24V A TM TB N16P12	No
911401754002	BWS302 8LED 27K 24V A LR N10P20	No
911401754082	BWS302 8LED 30K 24V A LR N10P20	No
911401754162	BWS302 8LED 40K 24V A LR N10P20	No
911401753562	BWS301 6LED 27K 24V A TB N16P12	No
911401753642	BWS301 6LED 30K 24V A TB N16P12	No
911401753722	BWS301 6LED 40K 24V A TB N16P12	No
911401753132	BWS301 3LED 27K 15V A TM TB N16P12	No
911401753212	BWS301 3LED 30K 15V A TM TB N16P12	No
911401753292	BWS301 3LED 40K 15V A TM TB N16P12	No
911401753092	BWS301 3LED 27K 15V A TM LR N16P12	No
911401753172	BWS301 3LED 30K 15V A TM LR N16P12	No
911401753252	BWS301 3LED 40K 15V A TM LR N16P12	No
911401753532	BWS301 6LED 27K 24V A TM LR N16P12	No
911401753612	BWS301 6LED 30K 24V A TM LR N16P12	No
911401753692	BWS301 6LED 40K 24V A TM LR N16P12	No

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