



# **ION INDUSTRIES**

## **STAR Lighting**

Een ION INDUSTRIES rapportage met testresultaten van een selectie zelfontwikkelde LED dimmers. Voorop staat de comptabiliteit van de dimmer t.o.v. geselecteerde LED lampen.



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# Gedetailleerd technisch overzicht

## STAR E27

# ION INDUSTRIES

STAR E27



375-24-2/E8290305 1pc 5W Measured: 4.8W 0.87 PF

### Legend

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

### Dimmers

Diming range 1 lamp

Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality	
	ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 4.76	0,878	97%
	ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 4.83	0,876	98%
	ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 4.8	0,877	96%
	ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 4.8	0,87	96%
	ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 5.1	0,86	97%
	ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 4.75	0,874	96%
	ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 4.77	0,87	97%



STAR E27

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STAR E27



375-41-2/E8290312 1pc 9W Measured: 8W 0.82 PF

**Legend**

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

**Dimmers**

Dimming range 1 lamp

Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality
	ION INDUSTRIES	230V	200W	Trailing	0 - 7.95	0,81	97%
	ION INDUSTRIES	230V	150W	Trailing	0 - 8	0,82	98%
	ION INDUSTRIES	230V	200W	Trailing	0 - 8.1	0,82	98%
	ION INDUSTRIES	230V	350W	Trailing	0 - 8.1	0,82	97%
	ION INDUSTRIES	230V	200W	Trailing	With N wire 0 - 8.2	0,8	97%
	ION INDUSTRIES	230V	200W	Trailing	0 - 7.94	0,81	98%
	ION INDUSTRIES	230V	200W	Trailing	0 - 8	0,81	96%



STAR E27

ION INDUSTRIES						STAR E27		
Legend						354-64/E8293592 1pc 3.7W Measured: 3.5W 0.9 PF		
Good dimmability with indicated number of lamps (dimming range greater than 75%)								
Limited dimmability with indicated number of lamps (dimming range smaller than 75%)								
Undesired dimmability								
Not tested								
Dimmers						Diming range 1 lamp		
Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality	
	ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 3.48	0,9	98%
	ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 3.47	0,89	98%
	ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 3.45	0,9	97%
	ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 3.47	0,89	98%
	ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 3.73	0,86	96%
	ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 3.36	0,895	98%
	ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 3.45	0,898	98%



## STAR E27

# ION INDUSTRIES

STAR E27










363-41-1/E8293688 1pc 5W Measured: 5.2W 0.88 PF

### Legend

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

### Dimmers

Dimming range 1 lamp

	Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality
		ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 5.32	0,88
	ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 5.3	0,88	98%
	ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 5.27	0,875	96%
	ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 5.3	0,88	97%
	ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 5.5	0,86	98%
	ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 5.25	0,878	96%
	ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 5.26	0,88	98%



STAR E14

# ION INDUSTRIES

STAR E14








351-03/E8291690 1pc 4.2W Measured: 4.4W 0.96 PF

### Legend

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

### Dimmers

Diming range 1 lamp

Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality		
	ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 4.4	0,953	98%	
		ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 4.43	0,954	97%
		ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 4.37	0,956	97%
		ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 4.32	0,95	98%
	ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 5.1	0,93	96%	
		ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 4.34	0,945	98%
		ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 4.4	0,955	98%



## STAR GU10

# ION INDUSTRIES

STAR GU10



347-70/E8294735 1pc 7W Measured: 8W 0.93 PF

### Legend

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

### Dimmers

Dimming range 1 lamp



Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality
ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 7.8	0,93	98%
ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 7.77	0,926	97%
ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 7.75	0,93	97%
ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 7.7	0,928	97%
ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 8.26	0,928	98%
					Without N wire 0 - 7.1	0,88	97%
ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 7.57	0,918	96%
ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 7.8	0,93	98%





STAR E27

# ION INDUSTRIES

STAR E27



346-10/ 1pc 6.2W Measured: 7.8W 0.97 PF

**Legend**

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested

**Dimmers**

Dimming range 1 lamp



Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality
ION INDUSTRIES	90.200.010	230V	200W	Trailing	0 - 7.65	0,97	97%
ION INDUSTRIES	90.100.010	230V	150W	Trailing	0 - 7.6	0,97	98%
ION INDUSTRIES	90.100.020	230V	200W	Trailing	0 - 7.54	0,968	98%
ION INDUSTRIES	90.100.030	230V	350W	Trailing	0 - 7.5	0,967	96%
ION INDUSTRIES	90.500.010	230V	200W	Trailing	With N wire 0 - 7.96 Without N wire 0 - 7.6	0,968 0,928	98% 96%
ION INDUSTRIES	90.100.050	230V	200W	Trailing	0 - 7.3	0,93	97%
ION INDUSTRIES	90.400.030	230V	200W	Trailing	0 - 7.3	0,92	96%



STAR G9

# ION INDUSTRIES

**Legend**

	Good dimmability with indicated number of lamps (dimming range greater than 75%)
	Limited dimmability with indicated number of lamps (dimming range smaller than 75%)
	Undesired dimmability
	Not tested



1. 344-09-3/E8294745 1pc 3.8W Measured: 3.7W 0.888 PF  
 2. 347-70/E8293767 1pc 5.6W Measured: 4.8W 0.779 PF  
 3. 344-08/E8291459 1pc 1.6W Measured: 1.55W 0.853 PF

**Dimmers**

Dimming range 1 lamp      Dimming range 4 lamps

Brand	Model	Voltage range	Power	Type	Dimming range W	Max PF	Dim quality	Dimming range W	Max PF	Dim quality
ION INDUSTRIES	90.200.010	230V	200W	Trailing	1. 0 - 3.7	0,886	98%	1. 0 - 9.86	0,85	97%
					2. 0 - 4.87	0,78	96%	2. 0 - 9.86	0,85	96%
					3. 0 - 1.36	0,82	74%	3. 0 - 9.86	0,85	97%
ION INDUSTRIES	90.100.010	230V	150W	Trailing	1. 0 - 3.73	0,89	97%	1. 0 - 10	0,85	96%
					2. 0 - 4.9	0,787	96%	2. 0 - 10	0,85	96%
					3. 0 - 1.3	0,84	72%	3. 0 - 10	0,85	97%
ION INDUSTRIES	90.100.020	230V	200W	Trailing	1. 0 - 3.65	0,88	98%	1. 0 - 10.1	0,856	98%
					2. 0 - 4.9	0,78	97%	2. 0 - 10.1	0,856	98%
					3. 0 - 1.2	0,81	73%	3. 0 - 10.1	0,856	97%
ION INDUSTRIES	90.100.030	230V	350W	Trailing	1. 0 - 3.65	0,88	97%	1. 0 - 10.1	0,856	97%
					2. 0 - 4.9	0,78	97%	2. 0 - 10.1	0,856	97%
					3. 0 - 1.2	0,77	73%	3. 0 - 10.1	0,856	98%
ION INDUSTRIES	90.500.010	230V	200W	Trailing	1. With N wire 0 - 3.9	0,85	97%	1. With N wire 0 - 10.3	0,84	97%
					2. With N wire 0 - 5.1	0,76	96%	1. Without N wire 0 - 9.1	0,78	97%
					3. With N wire 0 - 1.7	0,71	71%	2. With N wire 0 - 10.3	0,84	98%
								2. Without N wire 0 - 9.1	0,78	98%
								3. With N wire 0 - 10.3	0,84	96%
								3. Without N wire 0 - 9.1	0,78	98%
ION INDUSTRIES	90.100.050	230V	200W	Trailing	1. - 3.58	0,88	98%	1. 0 - 10	0,85	98%
					2. 0 - 4.8	0,78	98%	2. 0 - 10	0,85	97%
					3. 0 - 1.4	0,83	74%	3. 0 - 10	0,85	97%
ION INDUSTRIES	90.400.030	230V	200W	Trailing	1. 0 - 3.77	0,89	97%	1. 0 - 10.2		97%
					2. 0 - 4.96	0,79	97%	2. 0 - 10.2		98%
					3. 0 - 1.2	0,78	73%	3. 0 - 10.2		96%

