

QL Induction Lighting System

HF Generator 55W / 85W / 165W dimmable

US/CAN

Features

- Extremely Long Life of 100.000 hours
- High Reliability
- Instant hot and cold (re) start
- Operates in hot and cold environments / Amalgam control
- Dimmable to 50%
- L70 > 70.000 hrs
- Power Factor Correction included
- Limited inrush current
- Output Power Stabilized
- Protections
 - Open/short output
 - Thermal
 - Lamp end of life
- Extended protection against mains faults and deviations

Applications

For applications where maintenance costs are high;

- Street Lighting
- Bridges and Tunnels
- Freezers
- Industrial Lighting
- General Lighting (Big Box Retail, Shopping Mall)
- Hard-to-reach applications

General Characteristics

Lifetime system	100.000 hrs at Tc=72°C (162°F)
Efficiency	> 90%, max. load
Cooling	convection, dependent on System set-up, heat sinking required
Tcase	82°C max. (180°F max.) 72°C for full life (162°F for full life)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Operating Ambient Temperature	-40°C to +55°C (-40°F to +131°F)
Operating Position	Universal
Safety Approvals	UL935
EMC Approvals	Complies with all international EMC requirements

Electrical Characteristics

Input (2 versions)	100 - 120 Vac / Vdc 208 - 277 Vac / Vdc
Input line Frequency	45 - 66 Hz
Power Factor	> 0.92
Current THD	ANSI C82.11-2002
Output Voltage	130 - 220 Vac
Switching Frequency	2.67 MHz ± 1%
Current nom.	Depending on lamp
Ignition	1.2 kVp
Dimming	EN60929, 1 - 10 Vdc analog 50 - 100% output power
Dim current	0.2 - 0.4 mA (current source)

Product Dimensions

Dimensions 55/85W	152 x 76 x 41 mm (6.0 x 3.0 x 1.6 inch)
Dimensions 165W	190 x 112 x 41 mm (7.5 x 4.4 x 1.6 inch)
Connectors	Cage clamp terminals
Net Weight 55/85W	0,580 kg (1.3 lb)
Net Weight 165W	0,703 kg (1.5 lb)

Specifications subject to change without notice (RH20110606)



QL COMPANY
Proven Technology



QL

Induction Lighting Systems

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Related Products

US/CAN

QL LAMPS

Part Nr. Nedap	Part Nr. QL	Description	Bulb	Finish	Color Code	Color Designation	CCT [K]	CRI
3063020	QL05500030	QL Lamp 55W/830 Twist Base 1SL	P26	Coated	830	Warm White	3000	80
3063046	QL05500050	QL Lamp 55W/850 Twist Base 1SL	P26	Coated	850	Daylight	5000	80
3063062	QL08500030	QL Lamp 85W/830 Twist Base 1SL	P35	Coated	830	Warm White	3000	80
3063097	QL08500050	QL Lamp 85W/850 Twist Base 1SL	P35	Coated	850	Daylight	5000	80
3063127	QL16500030	QL Lamp 165W/830 Twist Base 1SL	A41	Coated	830	Warm White	3000	80
3063135	QL16500040	QL Lamp 165W/840 Twist Base 1SL	A41	Coated	840	Cool White	4000	80
3063143	QL16500050	QL Lamp 165W/850 Twist Base 1SL	A41	Coated	850	Daylight	5000	80

GENERATORS

Part Nr. Nedap	Part Nr. QL	Description
9561366	GE05512001	GENERATOR QL-HF 55W/115V DIM
9561340	GE08512001	GENERATOR QL-HF 85W/115V DIM
9560823	GE16512001	GENERATOR QL-HF 165W/115V DIM
9561358	GE05523001	GENERATOR QL-HF 55W/230V DIM
9561226	GE08523001	GENERATOR QL-HF 85W/230V DIM
9560831	GE16523001	GENERATOR QL-HF 165W/230V DIM
9561463	GE05512000	GENERATOR QL-HF 55W/115V N-DIM
9561447	GE08512000	GENERATOR QL-HF 85W/115V N-DIM
9561480	GE16512000	GENERATOR QL-HF 165W/115V N-DIM
9561455	GE05523000	GENERATOR QL-HF 55W/230V N-DIM
9561439	GE08523000	GENERATOR QL-HF 85W/230V N-DIM
9561471	GE16523000	GENERATOR QL-HF 165W/230V N-DIM

POWER COUPLERS

Part Nr. Nedap	Part Nr. QL	Description
9904417	PC05500000	POWERCOUPLER QL 55W
9904425	PC08500000	POWERCOUPLER QL 85W
9869476	PCI6500000	POWERCOUPLER QL 165W



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