

Lumination™ LED Luminaires IS Series



DATA SHEET

Product information

Lumination™ LED Luminaires – IS Series are designed to deliver efficient lighting for commercial applications. These efficient lighting fixtures have a long life and deliver a remarkably efficient 104-111 lumens per watt allowing for lower maintenance and operating costs.

Features & benefits

- Visually appealing light 80 CRI
- Minimal glare
- Provides strong horizontal and vertical illuminance
- Available in 1200mm and 2400mm versions
- Available for use as 'stand alone luminaires or continuous rows with simple mechanical snap-fix and plug & socket through wiring
- 5 year limited warranty

LED technology

- Energy efficient (104-111 lumens per watt)
- Long rated life & low maintenance: 65,000-hour Life
- Standard dimming control: DALI & 1-10V

Applications

- Low bay open ceiling applications
- Retail
- Commercial
- Industrial
- Warehouse

Structures and materials

- Fully recyclable heatsink
- IP Rating: IP20
- Impact Resistance: IK=2

Electrical and gear compartment

- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.
- THD: <20%
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing).

Installation

2 mounting brackets are included with each fixture. Additional mounting brackets can be ordered if needed, depending upon mounting and spacing of application.



GE imagination at work

Ordering data

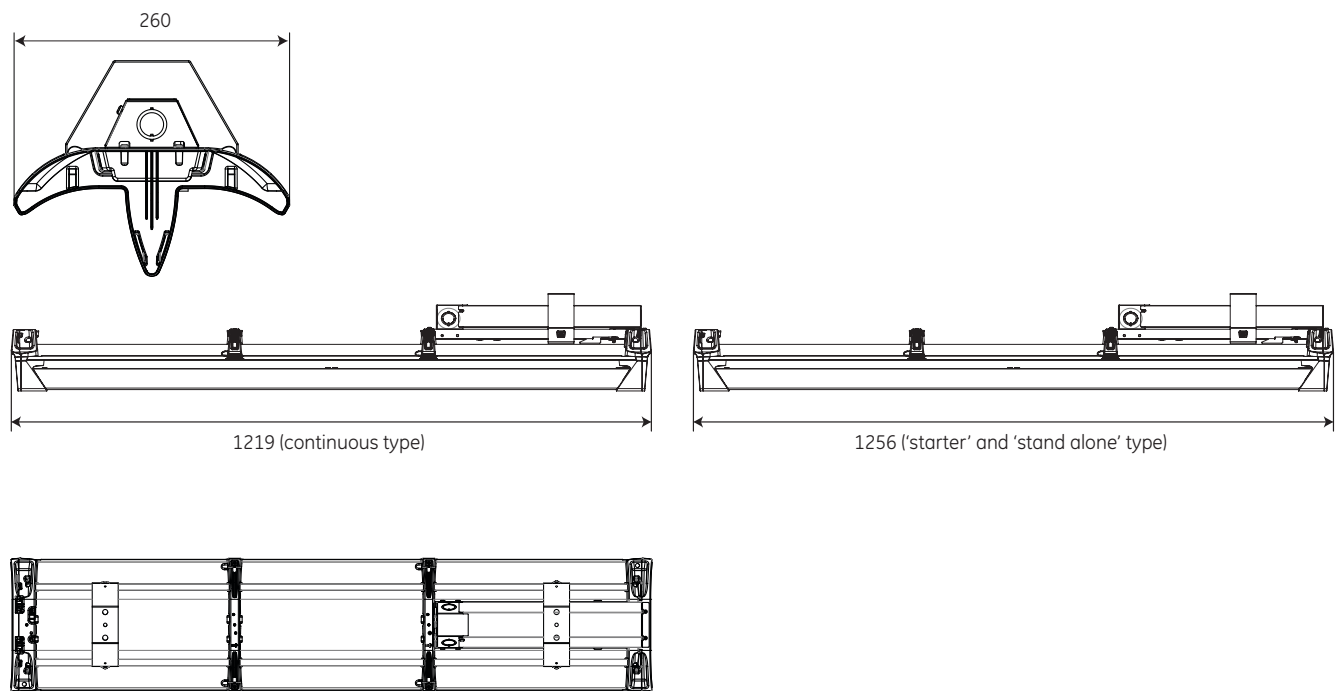
SKU	Description	Type	Nominal size	Lumen output [lm]	CCT	Watts [W]	Rated Life @L85 [h]	Dimensions (L/W/H) [mm]	Functionailty	Accessories Included	Emergency version
94210	10 PCS SPARE MTG BRACKETS KIT	all luminaires are supplied with 2× brackets									
90971	IS147A2MDSLVR CE 3500K	Stand alone	4ft	3700	3500K	35	65000	1256×260×204	DALI	2×mounting brackets, 2×end caps	
90970	IS147A2MVSLVR CE 3500K		4ft	3700	3500K	35	65000	1256×260×204	1-10V		
90973	IS147A3MDSLVR CE 4000K		4ft	3900	4000K	35	65000	1256×260×204	DALI		
90972	IS147A3MVSLVR CE 4000K		4ft	3900	4000K	35	65000	1256×260×204	1-10V		
90975	IS147B2MDSLVR CE 3500K		4ft	4750	3500K	46	65000	1256×260×204	DALI		
90974	IS147B2MVSLVR CE 3500K		4ft	4750	3500K	46	65000	1256×260×204	1-10V		
90979	IS147B3MDSLVR CE 4000K		4ft	5000	4000K	46	65000	1256×260×204	DALI		
90976	IS147B3MVSLVR CE 4000K		4ft	5000	4000K	46	65000	1256×260×204	1-10V		
91003	IS187A2MDSLVR CE 3500K		8ft	7300	3500K	70	65000	2475×260×204	DALI		
91002	IS187A2MVSLVR CE 3500K		8ft	7300	3500K	70	65000	2475×260×204	1-10V		
91005	IS187A3MDSLVR CE 4000K		8ft	7700	4000K	70	65000	2475×260×204	DALI		Also available with emergency option
91004	IS187A3MVSLVR CE 4000K		8ft	7700	4000K	70	65000	2475×260×204	1-10V		
91007	IS187B2MDSLVR CE 3500K		8ft	9500	3500K	90	65000	2475×260×204	DALI		
91006	IS187B2MVSLVR CE 3500K		8ft	9500	3500K	90	65000	2475×260×204	1-10V		
91009	IS187B3MDSLVR CE 4000K		8ft	10000	4000K	90	65000	2475×260×204	DALI		
91008	IS187B3MVSLVR CE 4000K		8ft	10000	4000K	90	65000	2475×260×204	1-10V		
91804	ISC47A2MDSLVR CE 3500K	Continuous	4ft	3700	3500K	35	65000	1219×260×204	DALI	2×mounting brackets	
91803	ISC47A2MVSLVR CE 3500K		4ft	3700	3500K	35	65000	1219×260×204	1-10V		
91806	ISC47A3MDSLVR CE 4000K		4ft	3900	4000K	35	65000	1219×260×204	DALI		
91805	ISC47A3MVSLVR CE 4000K		4ft	3900	4000K	35	65000	1219×260×204	1-10V		
91808	ISC47B2MDSLVR CE 3500K		4ft	4750	3500K	46	65000	1219×260×204	DALI		
91807	ISC47B2MVSLVR CE 3500K		4ft	4750	3500K	46	65000	1219×260×204	1-10V		
91810	ISC47B3MDSLVR CE 4000K		4ft	5000	4000K	46	65000	1219×260×204	DALI		
91809	ISC47B3MVSLVR CE 4000K		4ft	5000	4000K	46	65000	1219×260×204	1-10V		
91852	ISC87A2MDSLVR CE 3500K		8ft	7300	3500K	70	65000	2438×260×204	DALI		Also available with emergency option
91843	ISC87A2MVSLVR CE 3500K		8ft	7300	3500K	70	65000	2438×260×204	1-10V		
91854	ISC87A3MDSLVR CE 4000K		8ft	7700	4000K	70	65000	2438×260×204	DALI		
91853	ISC87A3MVSLVR CE 4000K		8ft	7700	4000K	70	65000	2438×260×204	1-10V		
92884	ISC87B2MDSLVR CE 3500K		8ft	9500	3500K	90	65000	2438×260×204	DALI		
91855	ISC87B2MVSLVR CE 3500K		8ft	9500	3500K	90	65000	2438×260×204	1-10V		
93338	ISC87B3MDSLVR CE 4000K		8ft	10000	4000K	90	65000	2438×260×204	DALI		
93267	ISC87B3MVSLVR CE 4000K		8ft	10000	4000K	90	65000	2438×260×204	1-10V		
93802	ISS47A2MDSLVR CE 3500K	Starter for continuous runs	4ft	3700	3500K	35	65000	1256×260×204	DALI	2×mounting brackets, 2×end caps	
93801	ISS47A2MVSLVR CE 3500K		4ft	3700	3500K	35	65000	1256×260×204	1-10V		
93804	ISS47A3MDSLVR CE 4000K		4ft	3900	4000K	35	65000	1256×260×204	DALI		
93803	ISS47A3MVSLVR CE 4000K		4ft	3900	4000K	35	65000	1256×260×204	1-10V		
93806	ISS47B2MDSLVR CE 3500K		4ft	4750	3500K	46	65000	1256×260×204	DALI		
93805	ISS47B2MVSLVR CE 3500K		4ft	4750	3500K	46	65000	1256×260×204	1-10V		
93808	ISS47B3MDSLVR CE 4000K		4ft	5000	4000K	46	65000	1256×260×204	DALI		
93807	ISS47B3MVSLVR CE 4000K		4ft	5000	4000K	46	65000	1256×260×204	1-10V		
93826	ISS87A2MDSLVR CE 3500K		8ft	7300	3500K	70	65000	2475×260×204	DALI		Also available with emergency option
93825	ISS87A2MVSLVR CE 3500K		8ft	7300	3500K	70	65001	2475×260×204	1-10V		
93828	ISS87A3MDSLVR CE 4000K		8ft	7700	4000K	70	65000	2475×260×204	DALI		
93827	ISS87A3MVSLVR CE 4000K		8ft	7700	4000K	70	65000	2475×260×204	1-10V		
93830	ISS87B2MDSLVR CE 3500K		8ft	9500	3500K	90	65000	2475×260×204	DALI		
93829	ISS87B2MVSLVR CE 3500K		8ft	9500	3500K	90	65000	2475×260×204	1-10V		
93832	ISS87B3MDSLVR CE 4000K		8ft	10000	4000K	90	65000	2475×260×204	DALI		
93831	ISS87B3MVSLVR CE 4000K		8ft	10000	4000K	90	65000	2475×260×204	1-10V		

Specifications

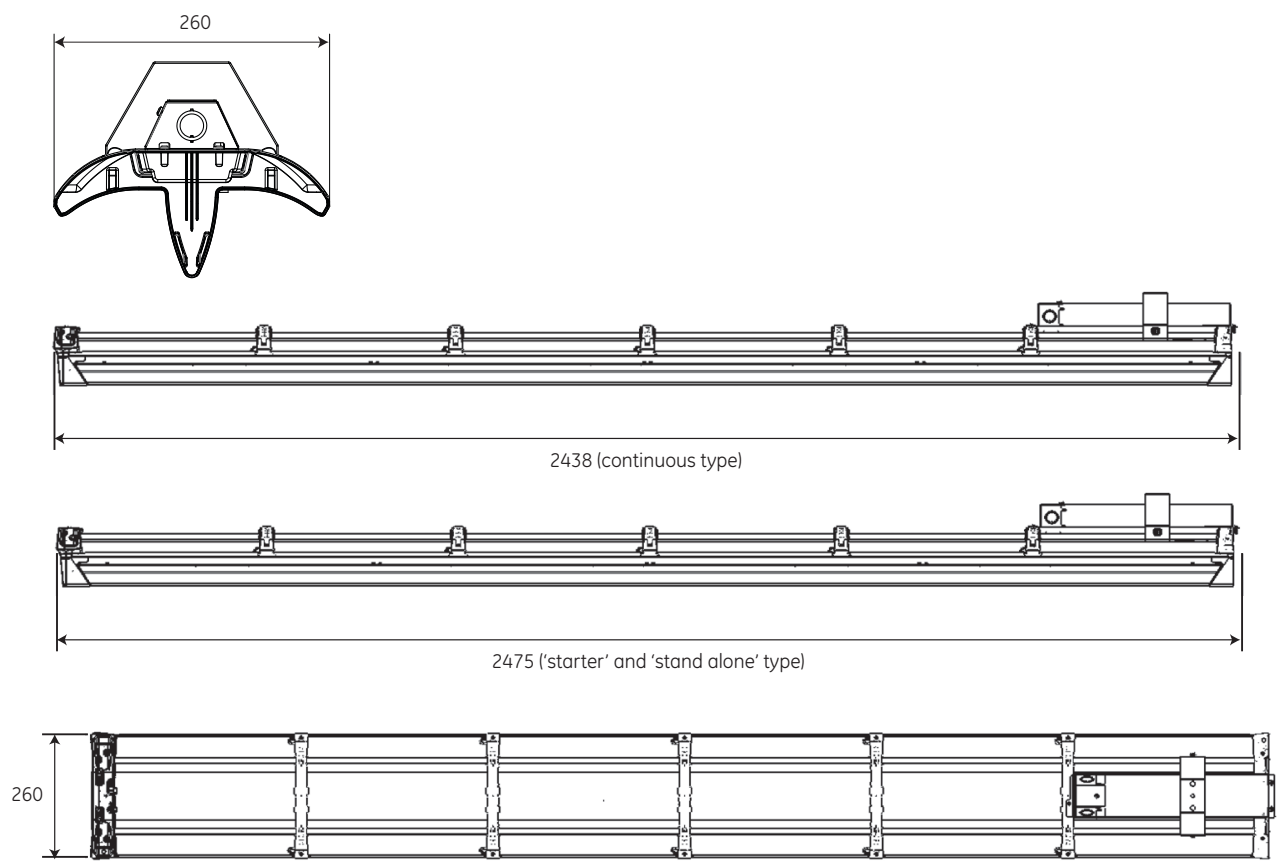
	IS14	IS18	ISS4	ISS8	ISC4	ISC8
Input Voltage [V]	120-240	120-240	120-240	120-240	120-240	120-240
Input Power [W]	35-46	70-90	35-46	70-90	35-46	70-90
Input Frequency [Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Power Factor	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
Lumen Output [lm]	3,700-5,000	7,300-10,000	3,700-5,000	7,300-10,000	3,700-5,000	7,300-10,000
CCT [K]	3,500-4,000	3,500-4,000	3,500-4,000	3,500-4,000	3,500-4,000	3,500-4,000
CRI	80	80	80	80	80	80
Efficiency [lm/W]	106-108	104-111	106-108	104-111	106-108	104-111
Control	1-10V, DALI	1-10V, DALI	1-10V, DALI	1-10V, DALI	1-10V, DALI	1-10V, DALI
Ceilings	Suspended	Suspended	Suspended	Suspended	Suspended	Suspended
Life [L85, hrs]	65,000	65,000	65,000	65,000	65,000	65,000
Warranty [years]	5	5	5	5	5	5
Files Available	NA	NA	NA	NA	NA	NA
Dimensions [mm]	see description tables – depend upon type					
Weight [kg]	3.97	6.88	3.97	6.88	3.97	6.88
Humidity (non-condensing)	20% to 80%	20% to 80%	20% to 80%	20% to 80%	20% to 80%	20% to 80%
Operating Temperature Range [°C]	-10 to +35	-10 to +35	-10 to +35	-10 to +35	-10 to +35	-10 to +35
Storage Temperature Range [°C]	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70
UGR	<26	<26	<26	<26	<26	<26
IP Rating	IP20	IP20	IP20	IP20	IP20	IP20

Dimensions [mm]

IS Series – 4 ft



IS Series – 8 ft



Photometric data

