GE
Lighting

Lumination™ LED Luminaires

Suspended LED Fixture | IS Series

imagination at work

Elegant Efficiency

New **GE Lumination IS Series Suspended LED Fixtures** bring highly efficient light and a modern, clean appearance to any setting with an open ceiling design. These sleek, streamlined fixtures are perfect for low bay retail, warehouse and industrial settings where brand image and overall performance are both priorities. Unlike traditional fluorescent fixtures with visible tubes, this advanced GE solution has an indirect light source that creates a more sophisticated impression while delivering an impressive 105-115 lumens per watt (LPW). Long 65,000-hour life slashes maintenance for added cost savings. Available in 1x4 and 1x8 models, they install easily and work seamlessly with energy management lighting control systems. ***Now, that's elegant efficiency.***

Simulated image

Sleek Solution

Now it's easy to create long continuous rows of LED light, uninterrupted by dark spots between fixtures. This dramatic effect is strikingly sleek...and simple to achieve with new **GE Lumination IS Series Suspended LED Luminaires**. An innovative rail fastening system allows attaching each fixture from wherever the ceiling supports are located. They also can be snapped together end-to-end, saving additional installation time and labor costs. Long rated life virtually eliminates maintenance hassles and expense, while incredible energy efficiency saves money year after year. It's the perfect combination of visual sophistication and economical lighting performance.

Features & Benefits

- Visually appealing light 83 CRI
- Minimal glare
- Provides strong horizontal and vertical footcandles
- Available in 1x4 and 1x8 models
- Fixtures easily snap together for long continuous rows
- Uplight Available (7% Uplight)
- 5 year limited warranty

Applications

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

LED Technology

- Energy efficient (120 lumens per watt)
- Long rated life & low maintenance:
  75,000-hour Life
- Standard dimming control:
  DALI & 0-10V

Snap together design allows for easy installation of long, continuous runs

Multiple fixtures can be "Daisy Chained" to each other for lower labor installation costs

Aerodynamic look enhances any retail or industrial environment

Custom reflector design yields increased vertical application efficiency

Indirect lighting eliminates lamp imaging

Designed to maximize optical efficiency and deliver 105-115 Lumens per Watt (LPW)

Continuous rail system allows for easy suspension from ceiling system making installation faster.

Easier Installation

Our **Lumination IS Series LED Luminaires** are designed for the easiest possible installation. Rather than wire a ballast for each fixture (as is standard procedure with fluorescent), these fixtures can simply be snapped together in a "daisy chain" fashion, where a sequential line of units are powered together with no dark spots between fixtures. The potential labor savings is significant, particularly when installing hundreds of fixtures in one location or thousands across multiple locations.

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Environmentally Aware

Designed with environmental responsibility in mind, **GE Lumination Suspended LED Luminaires** meet stringent standards for efficiency and reduced impact. 65,000-hour life eliminates bulb changes associated with fluorescent tubes, reducing landfill need. They contain no lead, mercury or glass, making handling and disposal less of a concern, while using less energy than standard fluorescent systems.

The GE Difference

Building on a reputation for quality and excellence that dates back to Edison's first electric light bulb, GE brings an unsurpassed depth and breadth of expertise to every product. Our commitment to providing the greatest value in high technologically solutions is stronger than ever. We deliver innovative options backed by the international reputation of our 130-plus years in the business.

Simulated image

Lumination™ LED Luminaires

IS Series

Product Description:

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 120 lumens per watt allowing for lower maintenance and operating costs. Available in Uplight version.

Performance Summary:

Distribution Patterns: Medium
Delivered Lumen Output: 4000-5200 Lm (4ft), 8,400-10,400 Lm (8ft)
System Input Power: 35W & 44W (4ft); 73W & 90W (8ft)
Efficacy: 120 LPW
Input Voltage: 120-277V; 347V
Standard Dimming Control: 0-10V, DALI
Dimming Compatability: Refer to Dimmer List
CCT: 3500K & 4000K
Typical CRI: 83
Color Consistency: 4 Step MacAdam Ellipse
Input Frequency (Hz): 50/60Hz
Power Factor: >0.9
Mounting: Suspension Systems
Weight: Rated Life: L85@75,000 hours
IC rating: Non-IC Rated
Warranty: 5 Years standard , 10 years available

Maximum Run Length

Supply Voltage	Lumen Code	
	A	B
120V	192’	160’
277V or 347V	400’	320’

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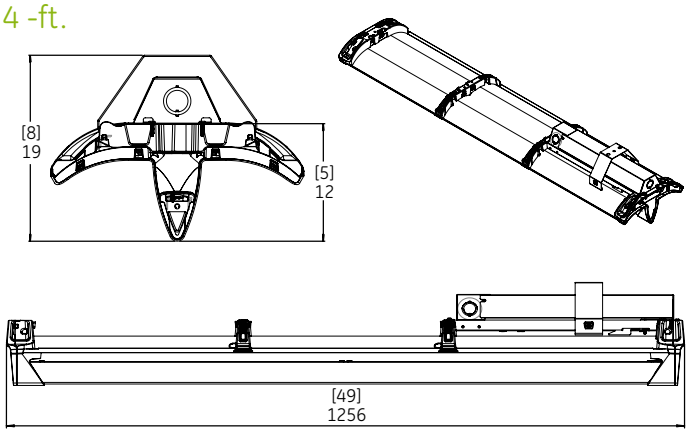
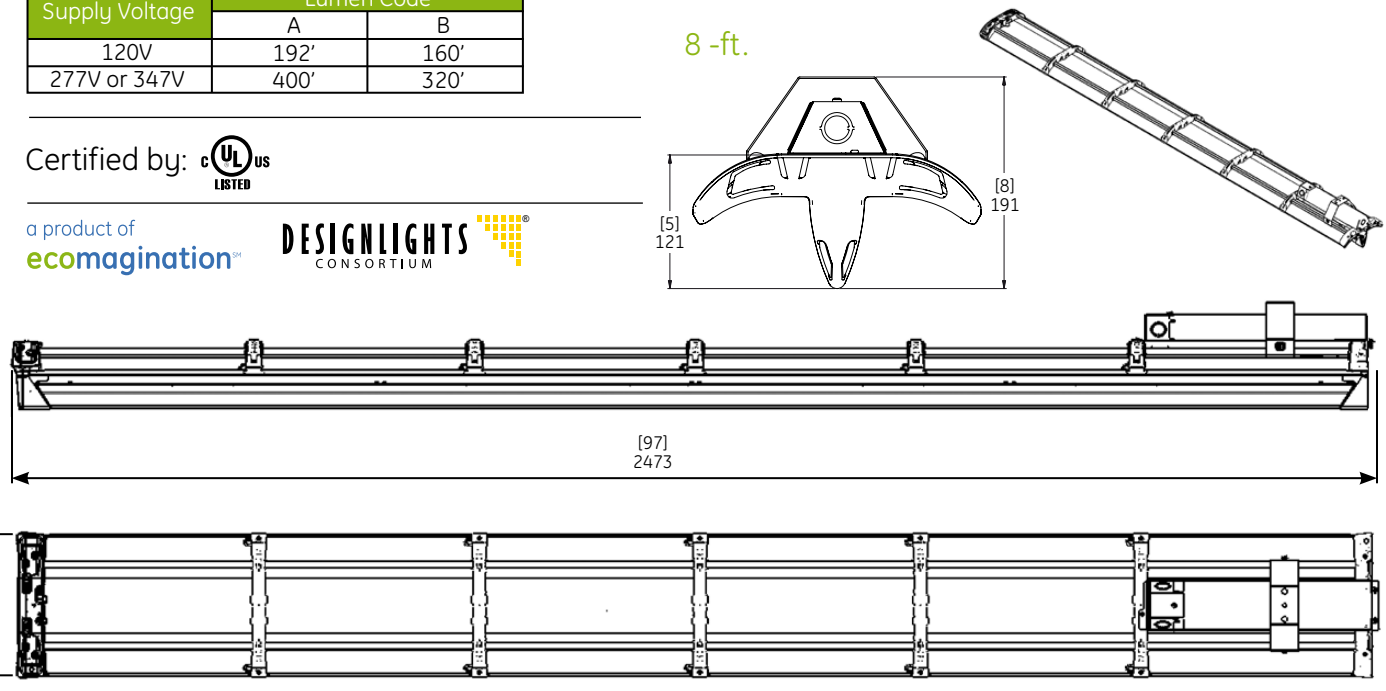
Product Dimensions:

IS Series

4 -ft.



8 -ft.



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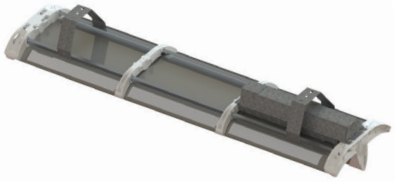
IND094 (Rev 09/10/14)

Lumination™ LED Luminaires

IS18



Project name _____

Date _____

Type _____

Product Description:

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 120 lumens per watt allowing for lower maintenance and operating costs. Available in Uplight version as well.

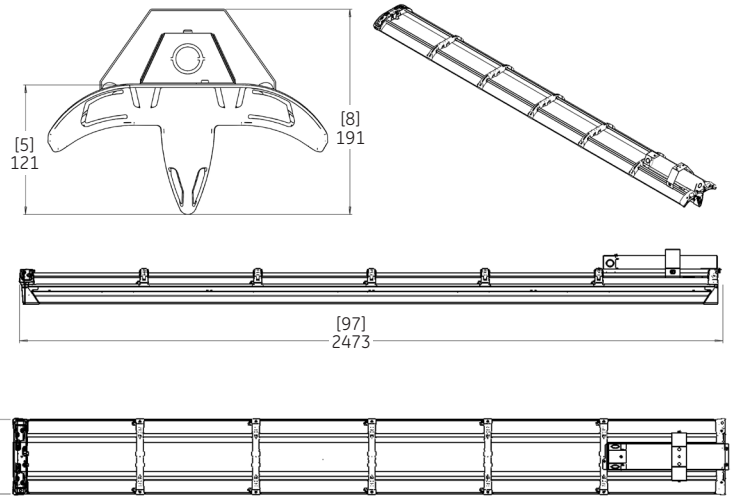
Targeted Performance Summary:

Distribution Patterns: Medium
Delivered Lumen Output: 8400-10,400lm
System Input Power: 70W & 87W
Efficacy: 120 LPW
Input Voltage: 120-277V; 347V
Standard Dimming Control: 0-10V, DALI
Dimming Compatability: Refer to Dimmer List
CCT: 3500K & 4000K
Typical CRI: 83
Color Consistency: 4 Step MacAdam Ellipse
Input Frequency (Hz): 50/60Hz
Power Factor: >0.9
Dimensions: 10 x 97 x 8 inches (258 x 2473 x 191 mm)
Mounting: Suspension (see Accessories Table below)
Weight: <20 lbs
IC rating: Non-IC Rated
Warranty: 5 Years standard
Rated Life: L85 @ 75,000 hours
Storage temperature: -40°C to 70°C
Operating temperature: -10° up to 35° C

Maximum Run Length:

Supply Voltage	Lumen Code	
	A	B
120V	192'	160'
277V or 347V	400'	320'

Product Dimensions:



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Ordering Information:

__ - __ - _ - __ - M - _ - SLVR - __

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	VOLTAGE	OPTICAL CODE	MOUNTING	CONTROLLER	LIGHT BAR FINISH	OPTIONS
I = Indirect **S** = Suspended	**18** = 1' x 8' Stand Alone **C8** = 1' x 8' Continous **S8** = 1' x 8' Starter	**0** = 120-277V (UL Version) **D** = 347V		**M** = Suspension Kits, See Accessories table below	**V** = 0-10V **D** = DALI	**SLVR** = Silver	Blank if no options **EL** = Emergency Light

DIMENSION	OPTICAL CODE	DISTRIBUTION/ CONFIGURATION	CCT	CRI	LUMENS	POWER
8 FT	**A2**	Medium, Medium Efficacy	3500	83	8000	70
8 FT	**A3**	Medium, Medium Efficacy	4000	83	8400	70
8 FT	**B2**	Medium, Medium Efficacy	3500	83	9900	87
8 FT	**B3**	Medium, Medium Efficacy	4000	83	10400	87
8 FT	**E2**	Medium, Uplight	3500	83	8000	70
8 FT	**E3**	Medium, Uplight	4000	83	8400	70
8 FT	**F2**	Medium, Uplight	3500	83	9900	87
8 FT	**F3**	Medium, Uplight	4000	83	10400	87

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Mounting Bracket (qty. 10)	GESK30	94210
Suspension Mounting Bracket	GESK16	69076
Suspension Fixed Toggle	GESK17	69075
Canopy Plate Kit (no live feed hole)	GESK21	60658
Canopy Plate Kit (with live feed hole)	GESK03	67654
Suspension Fixed Chain	GESK18	69077

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Photometric Data: IS18 Series

IS-X8-0-A3-MX-XXXX.ies

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	222.87
10-20	653.33
20-30	1024.04
30-40	1301.65
40-50	1451.58
50-60	1433.7
60-70	1219.08
70-80	774.83
80-90	210.43
90-100	68.60
100-110	26.19
110-120	6.23
120-130	1.58
130-140	1.54
140-150	1.67
150-160	1.58
160-170	1.15
170-180	0.43

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	107	102	97	93	104	100	95	92	95	92	88	91	88	86	87	85	83	80
2	97	88	81	74	94	86	79	73	82	76	71	78	74	70	75	71	68	65
3	88	76	68	61	85	75	67	60	71	64	59	68	62	57	66	61	56	54
4	80	67	58	51	77	66	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	43	71	58	49	43	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	34	29	41	34	28	40	33	28	39	32	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	29	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	27	23	33	27	22	21

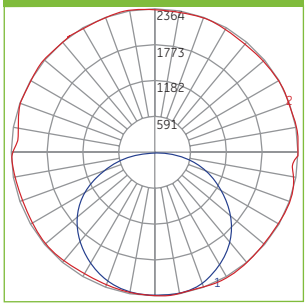
NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	876.20	N.A.	10.40
0-30	1900.24	N.A.	22.60
0-40	3201.89	N.A.	38.10
0-60	6087.17	N.A.	72.50
0-80	8081.09	N.A.	96.20

Total Luminaire Efficiency = N.A.%

CANDLEPOWER SUMMARY			
Angle	0°	45°	90°
45°	4139	4592	4830
55°	4194	4970	5155
65°	4262	5348	5377
75°	4326	5675	5174
85°	4352	3292	3132

POLAR GRAPH



Photometric Data: Uplight Series

IS-X8-0-E3-MX-XXXX.ies

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	205.45
10-20	602.58
20-30	943.57
30-40	1202.95
40-50	1351.09
50-60	1353.17
60-70	1158.28
70-80	716.70
80-90	195.36
90-100	104.43
100-110	221.03
110-120	169.81
120-130	54.89
130-140	50.06
140-150	38.17
150-160	20.95
160-170	8.70
170-180	2.51

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	106	101	96	92	102	98	94	90	92	89	85	87	84	81	82	80	78	75
2	96	87	79	73	92	84	77	72	79	74	69	75	70	66	71	67	64	61
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	57	51	46	54	49	45	42
5	72	59	49	42	69	57	48	42	54	46	41	51	45	39	48	43	38	36
6	66	52	43	36	64	51	42	36	48	41	35	46	39	34	44	38	33	31
7	61	47	38	32	59	46	38	31	44	36	31	42	35	30	40	34	29	27
8	57	43	34	28	55	42	34	28	40	32	27	38	31	27	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	33	27	23	21
10	50	36	28	23	48	35	28	22	34	27	22	32	26	21	31	25	21	19

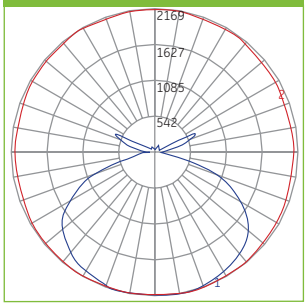
NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	808.04	N.A.	9.60
0-30	1751.61	N.A.	20.90
0-40	2954.56	N.A.	35.20
0-60	5658.83	N.A.	67.40
0-80	7533.8	N.A.	89.70

Total Luminaire Efficiency = N.A.%

CANDLEPOWER SUMMARY			
Angle	0°	45°	90°
45°	3913	4395	4700
55°	3952	4772	5093
65°	3979	5181	5171
75°	3952	5121	4127
85°	3545	2425	3497

POLAR GRAPH



Product Specifications:

Construction:

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

Electrical System:

- Class 1, replaceable, high efficiency LED driver rated for 50,000 hours when used within operating conditions.
- Audible Noise – Per 29CFR 1910 sub part G: <24 dba (1 foot)
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing)
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics
- Compliant with the material restriction requirements of RoHS

Installation:

When ordering Lumination IS Series LED Luminaires 2 mounting brackets are included with each fixture.

Additional mounting brackets can be ordered if needed, depending upon mounting and spacing of application.

For more information and access to all of our resources, including our design tool visit: www.gelighting.com

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IND090 (Rev 09/30/14)

Lumination™ LED Luminaires

IS14

Project name _____

Date _____

Type _____

Product Description:

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 120 lumens per watt allowing for lower maintenance and operating costs. Available in Uplight version as well.

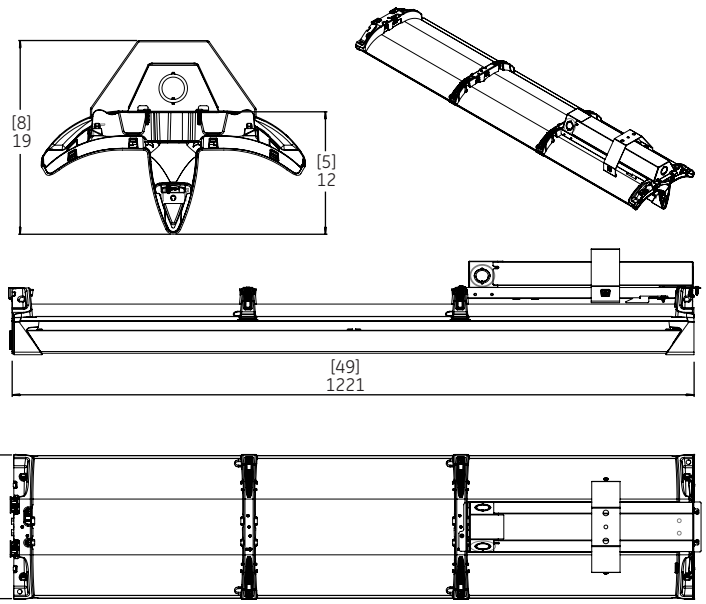
Targeted Performance Summary:

Distribution Patterns: Medium
Delivered Lumen Output: 4000-5200lm
System Input Power: 35W & 44W
Efficacy: 120 LPW
Input Voltage: 120-277V; 347V
Standard Dimming Control: 0-10V, DALI
Dimming Compatability: Refer to Dimmer List
CCT: 3500K & 4000K
Typical CRI: 83
Color Consistency: 4 Step MacAdam Ellipse
Input Frequency (Hz): 50/60Hz
Power Factor: >0.9
Dimensions: 10 x 49 x 8 inches (258 x 1256 x 191 mm)
Mounting: Suspension (see Accessories Table below)
Weight: <10 lbs
IC rating: Non-IC Rated
Warranty: 5 Years standard
Rated Life: L85 @ 75,000 hours
Storage temperature: -40°C to 70°C
Operating temperature: -10° up to 35° C

Maximum Run Length:

Supply Voltage	Lumen Code	
	A	B
120V	192'	160'
277V or 347V	400'	320'

Product Dimensions:



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DESIGNLIGHTS CONSORTIUM®

Ordering Information:

__ - __ - _ - __ - M - _ - SLVR - __

INTERNAL CODE	FIXTURE TYPE (NOMINAL)	VOLTAGE	OPTICAL CODE	MOUNTING	CONTROLLER	LIGHT BAR FINISH	OPTIONS
I = Indirect **S** = Suspended	**14** = 1' x 4' Stand Alone **C4** = 1' x 4' Continous **S4** = 1' x 4' Starter	**0** = 120-277V (UL Version) **D** = 347V		**M** = Suspension Kits, See Accessories table below	**V** = 0-10V **D** = DALI	**SLVR** = Silver	Blank if no options **EL** = Emergency Light

DIMENSION	OPTICAL CODE	DISTRIBUTION/ CONFIGURATION	CCT	CRI	LUMENS	POWER
4 FT	**A2**	Medium, Medium Efficacy	3500	83	4000	35
4 FT	**A3**	Medium, Medium Efficacy	4000	83	4200	35
4 FT	**B2**	Medium, Medium Efficacy	3500	83	4950	44
4 FT	**B3**	Medium, Medium Efficacy	4000	83	5200	44
4 FT	**E2**	Medium, Uplight	3500	83	4000	35
4 FT	**E3**	Medium, Uplight	4000	83	4200	35
4 FT	**F2**	Medium, Uplight	3500	83	4950	44
4 FT	**F3**	Medium, Uplight	4000	83	5200	44

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Mounting Bracket (qty. 10)	GESK30	94210
Suspension Mounting Bracket	GESK16	69076
Suspension Fixed Toggle	GESK17	69075
Canopy Plate Kit (no live feed hole)	GESK21	60658
Canopy Plate Kit (with live feed hole)	GESK03	67654
Suspension Fixed Chain	GESK18	69077

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Photometric Data: IS14 Series

IS-X4-0-A3-MX-XXXX.ies

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	111.42
10-20	326.63
20-30	511.96
30-40	650.75
40-50	725.70
50-60	716.76
60-70	609.47
70-80	387.37
80-90	105.20
90-100	34.30
100-110	13.09
110-120	3.11
120-130	0.79
130-140	0.77
140-150	0.83
150-160	0.79
160-170	0.58
170-180	0.21

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	107	102	97	93	104	100	95	92	95	92	88	91	88	85	87	85	83	80
2	97	88	80	74	94	86	79	73	82	76	71	78	74	69	75	71	68	65
3	88	76	68	61	85	75	66	60	71	64	59	68	62	57	66	61	56	54
4	80	67	58	51	77	66	57	50	63	55	49	60	54	48	58	52	48	45
5	73	59	50	43	71	58	49	43	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	34	29	41	34	28	40	33	28	39	32	28	26
9	54	40	31	26	52	39	31	26	38	31	25	37	30	25	36	29	25	23
10	50	37	29	23	49	36	28	23	35	28	23	34	27	23	33	27	22	21

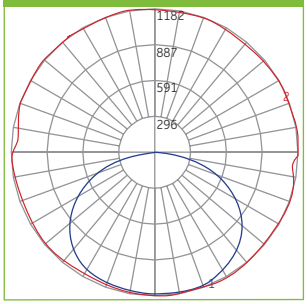
NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	438.05	N.A.	10.40
0-30	950.00	N.A.	22.60
0-40	1600.75	N.A.	38.10
0-60	3043.22	N.A.	72.50
0-80	4040.06	N.A.	96.20

Total Luminaire Efficiency = N.A.%

CANDLEPOWER SUMMARY			
Angle	0°	45°	90°
45°	4138	4592	4830
55°	4193	4970	5155
65°	4262	5348	5376
75°	4326	5674	5173
85°	4352	3292	3131

POLAR GRAPH



Photometric Data: IS14 Uplight Series

IS-X4-0-E3-MX-XXXX.ies

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	102.74
10-20	301.33
20-30	471.84
30-40	601.55
40-50	675.62
50-60	676.67
60-70	579.21
70-80	358.39
80-90	97.69
90-100	52.22
100-110	110.53
110-120	84.91
120-130	27.45
130-140	25.03
140-150	19.09
150-160	10.48
160-170	4.35
170-180	1.26

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	117	117	117	117	114	114	114	114	107	107	107	100	100	100	95	95	95	92
1	106	101	96	92	102	98	94	90	92	89	85	87	84	81	82	80	78	75
2	96	87	79	73	92	84	77	72	79	74	69	75	70	66	71	67	64	61
3	87	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	57	51	46	54	49	45	42
5	72	59	49	42	69	57	48	42	54	46	41	51	45	39	48	43	38	36
6	66	52	43	37	64	51	42	36	48	41	35	46	39	34	44	38	33	31
7	61	47	38	32	59	46	38	31	44	36	31	42	35	30	40	34	29	27
8	57	43	34	28	55	42	34	28	40	32	27	38	31	27	36	30	26	24
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	33	27	23	21
10	50	36	28	23	48	35	28	22	34	27	22	32	26	21	31	25	21	19

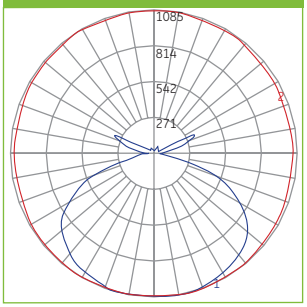
NOTE: Floor Cavity Reflectance : 20%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	404.07	N.A.	9.6
0-30	875.91	N.A.	20.9
0-40	1477.46	N.A.	35.2
0-60	2829.75	N.A.	67.4
0-80	3767.35	N.A.	89.7

Total Luminaire Efficiency = N.A.%

CANDLEPOWER SUMMARY			
Angle	0°	45°	90°
45°	3913	4396	4701
55°	3952	4773	5093
65°	3980	5181	5171
75°	3953	5122	4127
85°	3546	2426	3498

POLAR GRAPH



Product Specifications:

Construction:

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

Electrical System:

- Class 1, replaceable, high efficiency LED driver rated for 50,000 hours when used within operating conditions.
- Audible Noise – Per 29CFR 1910 sub part G: <24 dba (1 foot)
- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions
- THD: <20%
- Transient Protection: 100 kHz ring wave, 2.5 kV level
- Environmental Testing: High Temperature High Humidity: 60°C / 90% (non-condensing)
- Electronic Vibration Testing: Multi Axis, Random Vibration Profile: 2-2000 Hz, 5Gs on electronics
- Compliant with the material restriction requirements of RoHS

Installation:

When ordering Lumination IS Series LED Luminaires 2 mounting brackets are included with each fixture.

Additional mounting brackets can be ordered if needed, depending upon mounting and spacing of application.

For more information and access to all of our resources, including our design tool visit: **www.gelighting.com**

www.gelighting.com

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IND072 (Rev 09/30/14)

GE
Lighting

Imagine optimal color without sacrifice.

The high cost of color quality.
A typical high-end SSL luminaire may have a CRI of 80, yet its efficacy of 120 lumens per watt makes it far less appealing. Until now, every 10-point increase in CRI meant a 15% decrease in LPW. Any increase in R9 also resulted in as much as a 20% decrease in efficiency.

reveal® TriGain™ technology from GE.

At GE, we believe light has the power to make everything it touches better. Every day, we are dreaming of new ways to enhance light for our customers. Our reveal® technology does just that – significantly improving light outcomes for more vivid colors and patterns, all without compromising the energy savings you'd expect from LED.

Utilizing our decades of material science expertise, we've developed reveal® TriGain™ technology for retail and commercial lighting designers who need excellent color quality to bring out the beauty of objects and architecture on display. Until now, achieving optimal color rendering quality meant sacrificing energy efficiency. With reveal® TriGain™ technology, there's no compromise – both beauty and energy efficiency are enhanced.

Harnessing the power of red.

The CRI (color rendering index) of light is important for bringing out the true beauty of displayed items, but that's just part of the story. R9, a saturated solid red, is vital to optimally displaying things such as skin tones, produce and artwork. In the past, however, increasing CRI and R9 levels in LED light has always come at the cost of energy efficiency.

Fluorescent F28T8	LED	LED	reveal® TriGain™ Technology
85 CRI	80 CRI	90 CRI	**90 CRI**
100 LPW	160 LPW	127 LPW	**168 LPW**
R9 < 15	R9 < 30	R9 < 45	**R9 > 90**

32% INCREASE in LPW

*Nichia 757 double dye 6-volt LED 4000K measured at the same operating conditions

You can have it all:
reveal® TriGain™ technology combines outstanding levels of CRI, R9 and LPW to deliver exceptional color rendering quality without sacrificing efficacy.

reveal® TriGain™ technology changes everything.

GE's LED Fixtures with reveal® TriGain™ technology combine the high levels of CRI, R9 and efficiency together in one LED. GE has developed a narrow-band red phosphor that increases both CRI and R9, while improving LED and system efficacy significantly versus other LED products or systems on the market. By making patented and proprietary technological improvements to phosphor synthesis, reveal® TriGain™ technology is an industry-leading phosphor with premium performance lighting systems for retail and commercial applications. We are doing so without the design complexities of other technologies and with no changes to the luminaire structure of our systems.

Light that entices.

Knowing that most processed colors contain some percentage of red, reveal® TriGain™ technology boosts the level of R9 to improve color with no loss in efficacy. Increased R9 ensures that things like skin tones, artwork, fruits and veggies, and fabrics are rendered with vivid reds – giving customers confidence in the quality of their selections.

Zero sacrifice in efficiency.
While reveal® TriGain™ technology harnesses the power of red to deliver the ultimate color quality, you won't have to compromise efficacy. With its potential to boost sales and reduce energy costs, this red revolution could help your bottom line.

Light that performs.

Lighting is a significant contributor to your overall energy usage, so maximizing efficacy is a top priority. Until now, increases in color quality led to a considerable decrease in efficacy – making it an unattractive option for professionals charged with reducing energy costs. reveal® TriGain™ technology changed all that by combining brilliant color rendering quality with exceptional energy efficiency.

Zero sacrifice in color quality.
Zero sacrifice in color quality. Combining improved efficacy and aesthetics, reveal® TriGain™ technology offers premium color quality to enhance the appearance of virtually everything featured within a space. It's a win-win solution for professionals focused on creating sharper, clearer and more comfortably illuminated environments.

Light that moves.

Whether it's a cool new finish or unique architectural detail, GE's LED Fixtures with reveal® TriGain™ technology help bring out the vibrant colors on display. By boosting the level of CRI, GE's LED Fixtures with reveal® TriGain™ technology deliver an attractive rendering of colors to help merchandise look its very best.

The red revolution.
GE has harnessed the power of red to deliver ultimate color rendering quality with zero sacrifice in efficacy.

Discover how reveal® TriGain™ technology can impact your retail or commercial lighting designs by visiting gelighting.com/revealTG or by contacting your GE representative today.

GE Lighting

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Color without compromise.

Only from GE.

Historically, lighting designers have been faced with a choice: enhanced efficacy or enhanced beauty.

But what if you want it all?

UNTIL NOW, every 10-pt. increase in CRI has led to a 15% decrease in LPW.

CRI

High color rendering index (CRI) of light is critical to optimally displaying objects and environments.

UNTIL NOW, increasing R9 has decreased efficiency as much as 20%.

R9

A saturated solid red, R9 plays a key role in how accurately colors appear.

LPW

Because lighting is a major contributor to energy usage, maximizing lumens per watt (LPW) is a must.

UNTIL NOW, increasing LPWs has resulted in lower color rendering quality.

reveal® TriGain™ technology from GE

ULTIMATE COLOR QUALITY WITH ZERO SACRIFICES.

Fluorescent F28T8	LED	LED	reveal® TriGain™ Technology
85 CRI	80 CRI	90 CRI	90 CRI
100 LPW	160 LPW	127 LPW	168 LPW
R9 < 15	R9 < 30	R9 < 45	R9 > 90

*Nichia 757 double die 6-volt LED 4000K measured at the same operating conditions

32% INCREASE in LPW

A REVOLUTION IN **RED**

With its unparalleled levels of R9, reveal® TriGain™ technology from GE unlocks the power of red to bring out the best in many common objects:

ARTWORK | SKIN TONE | FABRIC | PRODUCE

To learn how reveal® TriGain™ technology can impact your retail or commercial lighting design, visit gelighting.com/revealTG or contact your GE representative today.