



IYON S LED

Applications: LED spotlight with stabilized color temperature; optimized for efficient accent lighting in shops and showrooms. Superior accentuation thanks to precision reflector. easy tool-free replacement of reflector and accessories. Innovative thermal design achieves passive cooling. Compact, timeless spotlight design, specially developed for integrating high-power LED modules.



IBEW Union Made

Type: _____

Project: _____

IYON SMALL LED SPOTLIGHT

IYONS				90			
FIXTURE	LUMEN OUTPUT	CCT	BEAM SPREAD	CRI	FINISH	ADAPTER	DRIVER
IYONS Iyon Small Spotlight	1900 lm	K30 3000K	FL Flood SP Spot	90 90+ CRI	WH White BK Black	EU11 1-Circuit 120v EU21 2-Circuit 120v EU22 2-Circuit 277v	SW Non-dimming SWITCHED DT Triac DIMMING (120V only)
	2000 lm	K40 4000K				EU11C 1-Circuit 120v Control EU21C 2-Circuit 120v Control	DA_ 1-10V Dimming DD_ DALI Dimming (Specify 120V-277V) DH_ Lutron Hi-Lume

IYON SMALL ACCESSORIES - ORDERED SEPERATELY

60700275 Iyon S / Vivo M LED REFL FL-S

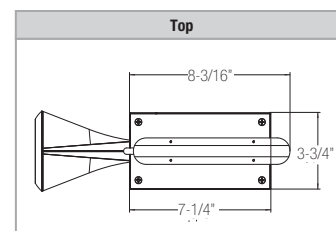
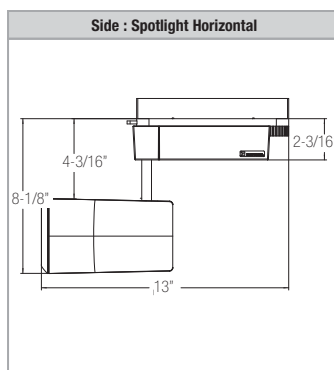
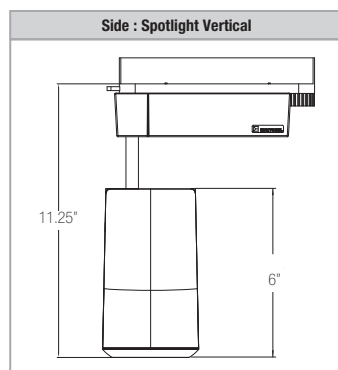
60700274 Iyon S / Vivo M LED REFL SP-S

60700259 Black LED Anti-glare ring

60700272 Black LED Anti-glare ring

60700270 Oval Outline Diffuser 50°

Dimensional Data



Technical Data

1. Track – IYONS is compatible with EUTRAC™. For additional information regarding the EUTRAC™ please see spec sheet on the website using FIF1176.

2. Adapter / Driverbox – Track adapter and injection molded polycarbonate driver box are supplied with the fixture.

3. Housing – Die-cast aluminum housing finished in powder coated white or black.

4. Rotation and Pivot – Spotlight head rotates through 360°, pivots through 90°

5. Wattage, CCT, CRI – Unit is available in Spot, Flood and Wide Flood distribution. 24W. 3000K, 4000K color temperature. White LEDs with 90+ color rendering.

6. Dimming – Standard unit is non-dimming switched, use EU11 or EU22. Triac dimming (120V only) use EU11 or EU21. Integral 0-10V, DALI, Lutron Hi-Lume or Lutron 5-series dimming require control track, use EU11C or EU22C based on voltage and circuit quantity.

7. Life – 50,000 hours rated life. L70.

8. Optic – Polycarbonate (PC) aluminiumsputtered specular reflector.

9. Beam Spread – Options of Spot or Flood.

10. Clean Beam – Symmetric beam pattern, free of striations with smooth transition from center beam to outer edge.

11. Internal Accessory Holder – Front cylinder of housing accommodates accessories internally and provides a seamless appearance.

12. Accessories – Black Anti-glare ring or Oval Outline Diffuser 50°

13. Weight – 3 lbs.

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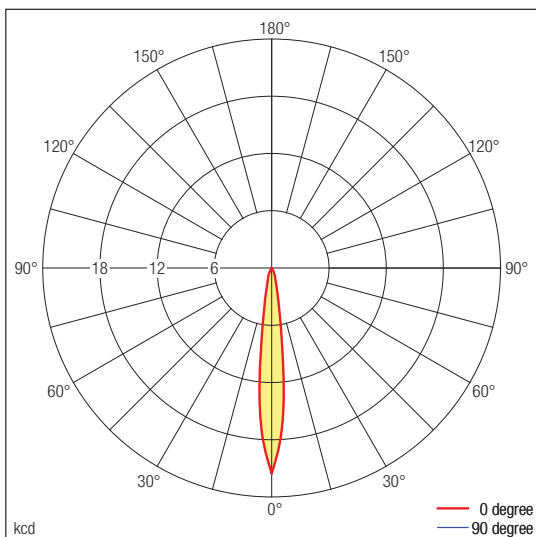
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Photometric Data

IYONS2000K40SP90WHEU11SW



Technical Description

Designation	IYONS2000K40SP90WHEU11SW
Total lamp lumens	2000 lm
Input watts	24.0 W

Coefficients of Utilization

Ceiling	80				70				50			30		
Walls	70	50	30	10	70	50	30	10	50	30	10	50	30	10
RCR	Effective Floor Cavity Reflectance = 20%								Spacing Criteria (along, across, 45°) = 0.2, 0.2, 0.2					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93
5	104	99	95	93	103	98	95	92	96	94	91	95	93	91
6	102	96	92	90	100	95	92	90	94	91	89	93	90	89
7	99	94	90	88	98	93	90	87	92	89	87	91	88	87
8	97	91	88	85	96	91	88	85	90	87	85	89	87	85
9	95	89	86	84	94	89	86	84	88	85	83	88	85	83
10	93	88	84	82	93	87	84	82	87	84	82	86	83	82

Luminances

	C0	C15	C30	C45	C60	C75	C90
55.0°	2289	2289	2289	2289	2289	2289	2289
60.0°	2467	2467	2467	2467	2467	2467	2467
65.0°	3860	3860	3860	3860	3860	3860	3860
70.0°	4886	4886	4886	4886	4886	4886	4886
75.0°	4612	4612	4612	4612	4612	4612	4612
80.0°	6416	6416	6416	6416	6416	6416	6416
85.0°	11413	11413	11413	11413	11413	11413	11413
90.0°	-	-	-	-	-	-	-

Luminances in cd/m² based on 2000 lm

Candela distribution

	0	15	30	45	60	75	90
0.0°	21528	21528	21528	21528	21528	21528	21528
10.0°	4832	4832	4832	4832	4832	4832	4832
20.0°	1089	1089	1089	1089	1089	1089	1089
30.0°	244	244	244	244	244	244	244
40.0°	11	11	11	11	11	11	11
50.0°	8	8	8	8	8	8	8
60.0°	6	6	6	6	6	6	6
70.0°	8	8	8	8	8	8	8
80.0°	6	6	6	6	6	6	6
90.0°	0	0	0	0	0	0	0
100.0°	0	0	0	0	0	0	0
110.0°	0	0	0	0	0	0	0
120.0°	0	0	0	0	0	0	0
130.0°	0	0	0	0	0	0	0
140.0°	0	0	0	0	0	0	0
150.0°	0	0	0	0	0	0	0
160.0°	0	0	0	0	0	0	0
170.0°	0	0	0	0	0	0	0
180.0°	0	0	0	0	0	0	0

Intensities in cd based on 2000 lm

All values are rated values. Luminous flux and connected electrical load are subject to an initial tolerance of +/- 10%. Tolerance of color temperature: +/- 150 K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

Refer to IES Files for further photometric information at www.zumtobel.us

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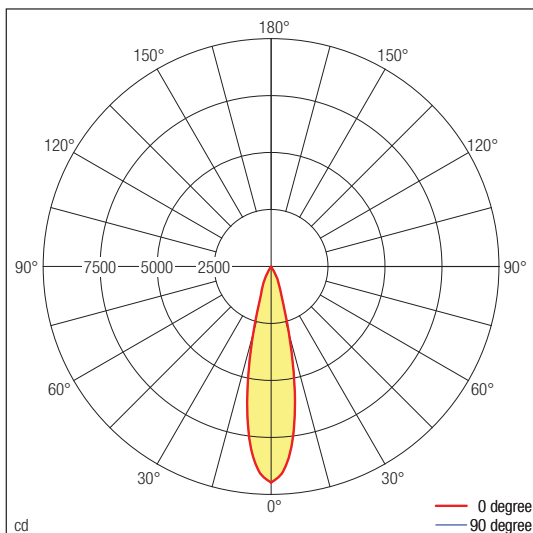
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Photometric Data

IYONS2000K40FL90WHEU11SW



Technical Description

Designation	IYONS2000K40FL90WHEU11SW
Total lamp lumens	2000 lm
Input watts	24.0 W

Coefficients of Utilization

Ceiling	80				70				50			30		
Walls	70	50	30	10	70	50	30	10	50	30	10	50	30	10
RCR	Effective Floor Cavity Reflectance = 20%								Spacing Criteria (along, across, 45°) = 0.4, 0.4, 0.4					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80
9	91	85	81	78	91	84	81	78	84	80	78	83	80	78
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76

Luminances

	C0	C15	C30	C45	C60	C75	C90
55.0°	3052	3052	3052	3052	3052	3052	3052
60.0°	3581	3581	3581	3581	3581	3581	3581
65.0°	4143	4143	4143	4143	4143	4143	4143
70.0°	4770	4770	4770	4770	4770	4770	4770
75.0°	5842	5842	5842	5842	5842	5842	5842
80.0°	8249	8249	8249	8249	8249	8249	8249
85.0°	15065	15065	15065	15065	15065	15065	15065
90.0°	-	-	-	-	-	-	-

Luminances in cd/m² based on 2000 lm

Candela distribution

	0	15	30	45	60	75	90
0.0°	9477	9477	9477	9477	9477	9477	9477
10.0°	6052	6052	6052	6052	6052	6052	6052
20.0°	1276	1276	1276	1276	1276	1276	1276
30.0°	258	258	258	258	258	258	258
40.0°	11	11	11	11	11	11	11
50.0°	9	9	9	9	9	9	9
60.0°	9	9	9	9	9	9	9
70.0°	8	8	8	8	8	8	8
80.0°	7	7	7	7	7	7	7
90.0°	0	0	0	0	0	0	0
100.0°	0	0	0	0	0	0	0
110.0°	0	0	0	0	0	0	0
120.0°	0	0	0	0	0	0	0
130.0°	0	0	0	0	0	0	0
140.0°	0	0	0	0	0	0	0
150.0°	0	0	0	0	0	0	0
160.0°	0	0	0	0	0	0	0
170.0°	0	0	0	0	0	0	0
180.0°	0	0	0	0	0	0	0

Intensities in cd based on 2000 lm

All values are rated values. Luminous flux and connected electrical load are subject to an initial tolerance of +/- 10%. Tolerance of color temperature: +/- 150 K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

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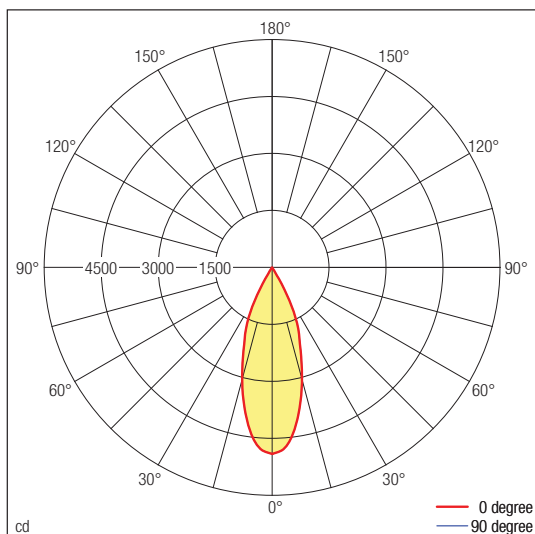
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Technical Description

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Input watts	24.0 W

Coefficients of Utilization

Ceiling	80				70				50			30		
Walls	70	50	30	10	70	50	30	10	50	30	10	50	30	10
RCR	Effective Floor Cavity Reflectance = 20%								Spacing Criteria (along, across, 45°) = 0.6, 0.6, 0.7					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85
5	98	91	87	83	97	91	86	83	89	85	82	87	84	82
6	95	88	83	79	93	87	82	79	85	81	79	84	81	78
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75
8	88	81	76	73	87	80	76	72	79	75	72	78	74	72
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69
10	82	75	70	67	81	74	70	67	73	69	67	73	69	66

Luminances

	C0	C15	C30	C45	C60	C75	C90
55.0°	3607	3607	3607	3607	3607	3607	3607
60.0°	3740	3740	3740	3740	3740	3740	3740
65.0°	4048	4048	4048	4048	4048	4048	4048
70.0°	4653	4653	4653	4653	4653	4653	4653
75.0°	5996	5996	5996	5996	5996	5996	5996
80.0°	8936	8936	8936	8936	8936	8936	8936
85.0°	15522	15522	15522	15522	15522	15522	15522
90.0°	-	-	-	-	-	-	-

Luminances in cd/m² based on 2000 lm

Candela distribution

	0	15	30	45	60	75	90
0.0°	4909	4909	4909	4909	4909	4909	4909
10.0°	3960	3960	3960	3960	3960	3960	3960
20.0°	2148	2148	2148	2148	2148	2148	2148
30.0°	504	504	504	504	504	504	504
40.0°	16	16	16	16	16	16	16
50.0°	11	11	11	11	11	11	11
60.0°	9	9	9	9	9	9	9
70.0°	8	8	8	8	8	8	8
80.0°	8	8	8	8	8	8	8
90.0°	0	0	0	0	0	0	0
100.0°	0	0	0	0	0	0	0
110.0°	0	0	0	0	0	0	0
120.0°	0	0	0	0	0	0	0
130.0°	0	0	0	0	0	0	0
140.0°	0	0	0	0	0	0	0
150.0°	0	0	0	0	0	0	0
160.0°	0	0	0	0	0	0	0
170.0°	0	0	0	0	0	0	0
180.0°	0	0	0	0	0	0	0

Intensities in cd based on 2000 lm

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