

1.8"-Pendant

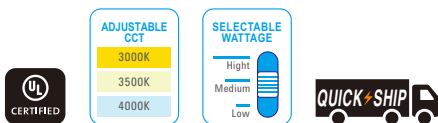
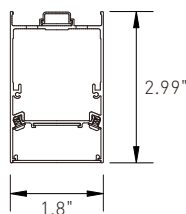
Spec-grade | Architectural LED Linear Lighting | Field Adjustable



Combining superior esthetics, quality performance and unparalleled versatility, 1.8" series offers new opportunities to capture the beauty and benefits of true lighting. With a maximum output of 1200 lm/ft and a choice of various lengths, It is capable of delivering the light levels needed for the most demanding applications by CCT adjustable and wattage selectable functions, compatible for dry ceiling and drop ceiling. While simple in appearance.

Feature

- 2 lighting distribution by visible Dip switch
- CCT and wattage adjustable by visible Dip switch
- Continuous runs or Custom pattern
- Dry ceiling or T-Grid ceiling compatible.
- Pendant, surface and wall mount
- cULus listed, Damp locations and 5 years limited warranty



PERFORMANCE

* Check the IES file to gain the accurate data.

Finish	Length	Wattage Selectable	Lumen (25%up / 75% down)			Lumen (100% down)			Efficacy
			3000K	3500K	4000K	3000K	3500K	4000K	
White	2'	20W/15W/10W	1120~2240lm	1220~2440lm	1170~2340lm	1050~2100lm	1150~2300lm	1100~2200lm	580~1170 lm/ft
	4'	40W/30W/20W	2240~4480lm	2440~4880lm	2340~4680lm	2100~4200lm	2300~4600lm	2200~4400lm	
	8'	80W/60W/40W	4480~8960lm	4880~9760lm	4680~9360lm	4200~8400lm	4600~9200lm	4400~8800lm	
Black	2'	20W/15W/10W	920~1840lm	1020~2040lm	970~1940lm	850~1700lm	950~1900lm	900~1800lm	480~970 lm/ft
	4'	40W/30W/20W	1840~3680lm	2040~4080lm	1940~3880lm	1700~3400lm	1900~3800lm	1800~3600lm	
	8'	80W/60W/40W	3680~7360lm	4080~8160lm	3880~7760lm	3400~6800lm	3800~7600lm	3600~7200lm	

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PRODUCT ORDERING GUIDE

Example: IZE4M-WH-40W-D10-80TW-A-DF (Pendant)

Default Settings: Maximum wattage, 4000K and 100% down.

IZE					80	TW		DF	(Pendant)
Product Series	Length	Finish	Wattage	0-10V Dim	CRI	CCT	Lighting Distribution	Down Lens	Just to remark the mounting. Don't show in product label.
IZE Linear	2M QuickShip 2 Feet Medium	WH QuickShip White	20W QuickShip 20W/15W/10W Selectable for 2ft	D10 QuickShip 110-277V AC Dims to 10% Tested Dimmers: Lutron Diva- Leviton DP-710- DL.	80 QuickShip 80+ CRI (Standard)	TW QuickShip CCT adjustable 3000K/3500K/ 4000K	A QuickShip 25%up/75% down and 100% down by visible Dip switch	DF QuickShip Diffuser	
	4M QuickShip 4 Feet Medium	BL QuickShip Black	40W QuickShip 40W/30W/20W Selectable for 4ft	D01 Make to Order 110-277V AC Dim to 1%*	90 Make to Order 90+ CRI*		D QuickShip 100% down		
	8M QuickShip 8 Feet Medium	CM Make to Order Custom *	80W QuickShip 80W/60W/40W Selectable for 8ft						

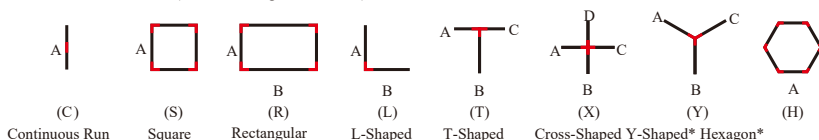
OPTIONAL PENDANT ACCESSORY

Ceiling Type	Canopy	Power Cord&Aircraft Cable	Non-lit Joiner	Optional Functions
DW QuickShip Dry ceiling Mount to J-box	RDWH QuickShip 1.6" Round & White 4.5" Round & White (Designed for power cable)	C05WH QuickShip 4 ft white power cord + 5ft aircraft cable	SJ QuickShip Straight Line Joiner (Optional 40' rolling diffuser)	EME QuickShip Emergency Function (Only external 8w or 25w LED emergency driver with standard indicator available and need field-installed.)
TF QuickShip Drop ceiling clips for 9/16" and 15/16" flat ceiling	SQWH QuickShip 1.6" Square & White 4.5" Square & White (Designed for power cable)	C12WH QuickShip 12 ft white power cord + 12ft aircraft cable	TJ QuickShip "T" Joiner	
TS QuickShip Drop ceiling clips for 9/16" slot Ceiling	RDBL QuickShip 1.6" Round & Black 4.5" Round & Black (Designed for power cable)	C05BL QuickShip 4 ft black power cord + 5ft aircraft cable	LJ QuickShip "L" Joiner	OCC QuickShip Sensor Function (Built-in occupancy sensor in 5.8inch round canopy)
TX QuickShip Drop ceiling clips for 15/16" slot Ceiling	SQBL QuickShip 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C12BL QuickShip 12 ft black power cord + 12ft aircraft cable	XJ QuickShip "X" Joiner	
			YJ Make to Order "Y" Joiner*	
			VJ Make to Order "V" Joiner *	

CUSTOM LINE OR SHAPE ORDERING GUIDE

Example: IZEM-C18-WH-D10-DW-RDWH-C05WH

SHAPE/LENGTH* (CHOOSE 1 & ENTER LENGTH IN FEET)	Finish	0-10V Dim	Ceiling Type	Canopy	Power Cord& Aircraft Cable
IZEM-C Individual 6ft/ up to 8ft Continuous Run Section QuickShip (Enter length in product code above, ex. C18)	WH QuickShip White	D10 QuickShip 110-277V AC Dims to 10% Tested Dimmers: Lutron Diva- Leviton DP-710- DL.	DW QuickShip Dry ceiling Mount to J-box	RDWH QuickShip 1.6" Round & White 4.5" Round & White (Designed for power cable)	C05WH QuickShip 4 ft white power cord + 5ft aircraft cable
IZEM-S Square Configuration QuickShip (Enter side length A, ex: S18)	BL QuickShip Black	CM Make to Order Custom *	TF QuickShip Drop ceiling clips for 9/16" and 15/16" flat ceiling	SQWH QuickShip 1.6" Square & White 4.5" Square & White (Designed for power cable)	C12WH QuickShip 12 ft white power cord + 12ft aircraft cable
IZEM-R Rectangular Configuration QuickShip (Enter side lengths A and B, ex. R12/24)		D01 Make to Order 110- 277V AC Dim to 1%*	TS QuickShip Drop ceiling clips for 9/16" slot Ceiling	SQBL QuickShip 1.6" Square & Black 4.5" Square & Black (Designed for power cable)	C05BL QuickShip 4 ft black power cord + 5ft aircraft cable
IZEM-L L-Shaped Configuration QuickShip (Enter side lengths A and B, ex. L12/24)			TX QuickShip Drop ceiling clips for 15/16" slot Ceiling		C12BL QuickShip 12 ft black power cord + 12ft aircraft cable
IZEM-T T-Shaped Configuration QuickShip (Enter side lengths A, B and C, ex. T02/02/04)					
IZEM-X Cross-Shaped Configuration QuickShip (Enter side lengths A, B,C and D, ex. X02/02/02/02)					
IZEM-Y Y-Shaped Configuration Make to Order (Enter side lengths A,B and C, ex. Y04/04/04)*					
IZEM-H Hexagon-Shaped Configuration Make to Order (Enter side lengths A, ex. H4)*					



Shape orientation Looking from the Ceiling down to the floor.
All corners of shape must be 90° or 120°, same plane. joiners and rolling lens will be included. FOR more complex shape,

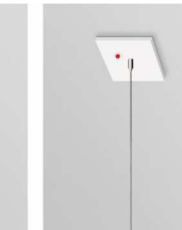
*Make to Order means additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ.
Please contact your sales rep for more information.

Damp rated for ambient operating temperature of
-20°C to +40°C (-4° to +104°F)

1.8"-Pendant

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MOUNTING

Canopy Style

						
1.6" Round (Non Power Feed)	4.5" Round (Power Feed)	4.5" Round With Emergency Driver (Non Power Feed)	5.8" Round With Occupancy Sensor (Power Feed)	1.6" Square (Non Power Feed)	4.5" Square (Power Feed)	4.5" Square With Emergency Driver (Non Power Feed)
 WH BL	 WH BL	 WH BL	 WH BL	 WH BL	 WH BL	 WH BL

Dry Ceiling / Off Grid

"Various Hard Ceilings" (Mount to J-box)

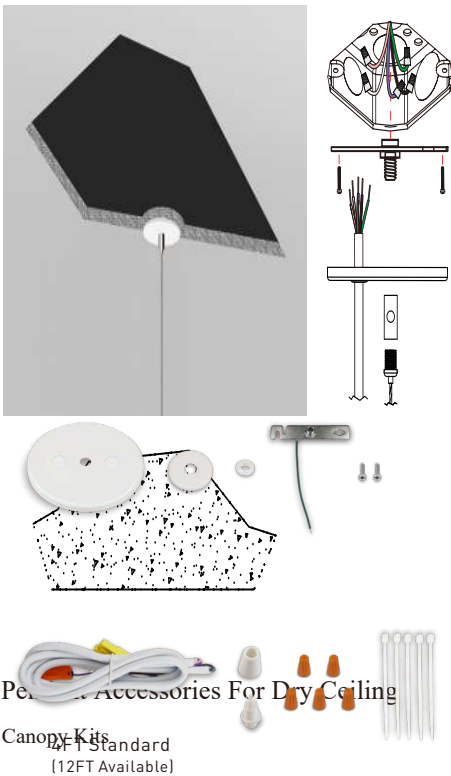


Diagram showing the installation of the pendant on a dry ceiling using a J-box. The components include the pendant, a mounting bracket, a J-box, and various screws and wires.

Per Kit Accessories For Dry Ceiling

Canopy Kits
4FT Standard
(12FT Available)

Aircraft Cable Kits



Diagram showing the components of the Aircraft Cable Kits, including a cable, a connector, and various screws and wires.

5FT Standard
(12FT Available)

Power Cord Kits

Drop Ceiling / On Grid

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.

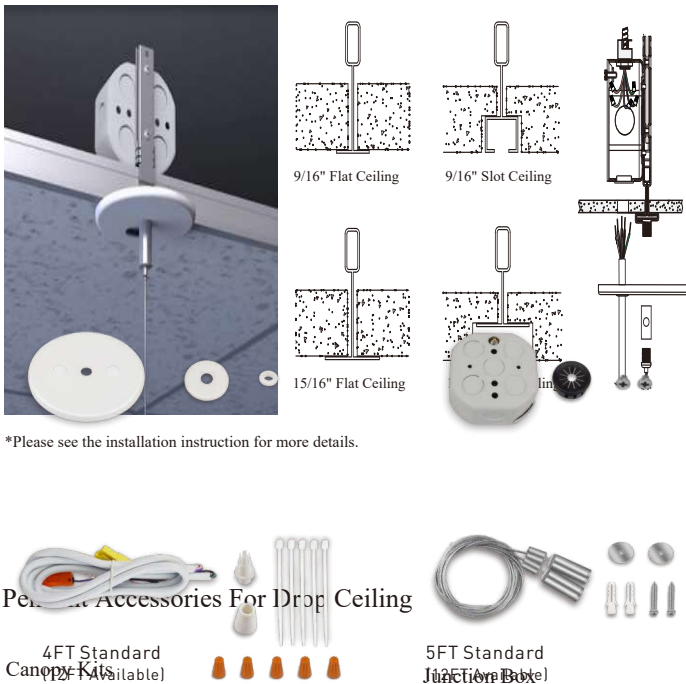


Diagram showing the installation of the pendant in a drop ceiling using a T-grid. The components include the pendant, a mounting bracket, a T-grid, and various screws and wires.

9/16" Flat Ceiling

9/16" Slot Ceiling

15/16" Flat Ceiling

15/16" Slot Ceiling

*Please see the installation instruction for more details.

Per Kit Accessories For Drop Ceiling

4FT Standard
Canopy Kits
(12FT Available)

5FT Standard
Junction Box
(12FT Available)

T-grid Clips



Diagram showing the components of the T-grid Clips, including a clip, a screw, and a wire.

For 9/16" and 15/16" Flat Ceiling
(2 Clips/Set)

For 9/16" Slot Ceiling
(2 Clips/Set)

For 15/16" Slot Ceiling
(2 Clips/Set)

Power Cord Kits

Aircraft Cable Kits

1.8"-Pendant

Spec-grade | Architectural LED Linear Lighting | Field Adjustable
Standard Line Runs In 120v

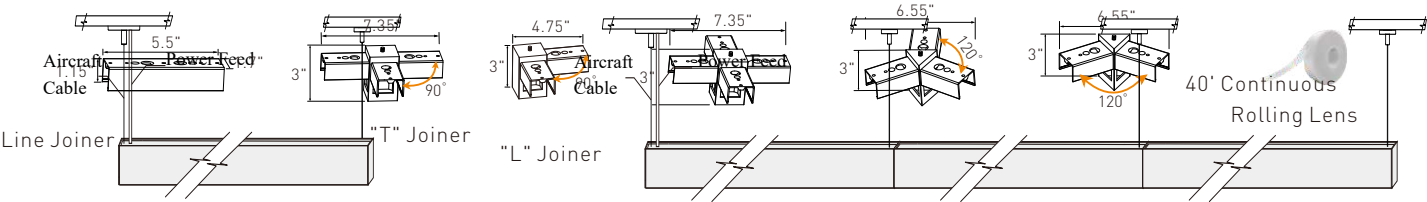
Luminaire Run Length (ft)	Run Configuration	Line Joiner	5' Power Cable	5' Aircraft Cable	Canopy
2	2'	-	1	2	2
4	4'	-	1	2	2
6	4'+2'	1	1	3	3
8	8'	-	1	2	2
10	8'+2'	1	1	3	3
12	8'+4'	1	1	3	3
14	8'+4'+2'	2	1	4	4
16	8'+8'	1	1	3	3
18	8'+8'+2'	2	1	4	4
20	8'+8'+4'	2	1	4	4
22	8'+8'+4'+2'	3	1	5	5
24	8'+8'+8'	2	1	4	4
26	8'+8'+8'+2'	3	1	5	5
28	8'+8'+8'+4'	3	1	5	5
30	8'+8'+8'+4'+2'	4	1	6	6
32	8'+8'+8'+8'	3	1	5	5
34	8'+8'+8'+8'+2'	4	1	6	6
36	8'+8'+8'+8'+4'	4	1	6	6
38	8'+8'+8'+8'+4'+2'	5	1	7	7
40	8'+8'+8'+8'+8'	4	1	6	6

Note: □4.5" canopy is designed for power cable

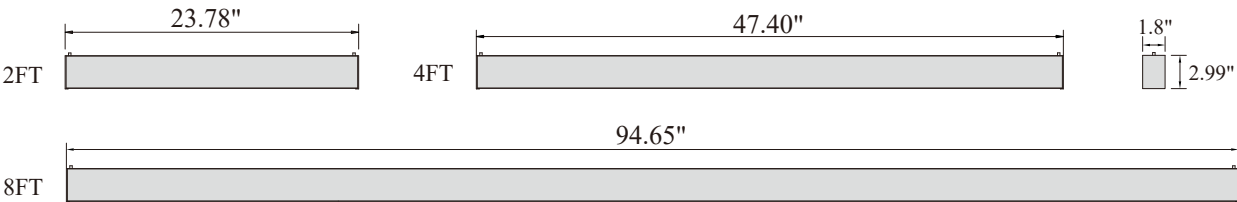
Individual or continuous run, up to 40ft in 120V AC, 100ft in 277V AC.

Individual Custom Pattern With Non-lit Joiners

Continuous Run



DIMENSIONS



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OPTIONAL FUNCTION

► Emergency Option

IUS Lighting offers UL& CEC Listed LED emergency drivers. When AC power fails it, immediately switches to the emergency mode operating for lighting minimum 90 minutes. When AC power is restored it, automatically returns to the charging mode which meets critical life-safety lighting requirements.



EME

Order Separated LED emergency driver to external

Optional 8w or 25w high voltage LED emergency driver can be provided if you need and do it wiring in field. For more info or spec sheet please visit our website or contact sales.



Code-Required Testing

" Initial Self-Test After Installation

It will perform a functional test in 3 seconds after the driver installed to check the wiring and battery output when work. The indicator LED will be off or flicker in case of a failure or an error.

" Second Self-Test In 120 Minutes

It will perform second test in 120 minutes to check again. Upgrade in Gen 3: Repeat 4 times in every 120 minutes if fail in the second test.

" Monthly Self-Test

It will automatically perform a test every 30 days with a duration of 3 seconds, in which the wiring and battery output are checked. In case of a failure or an error, the indicator LED will be off or flicker.

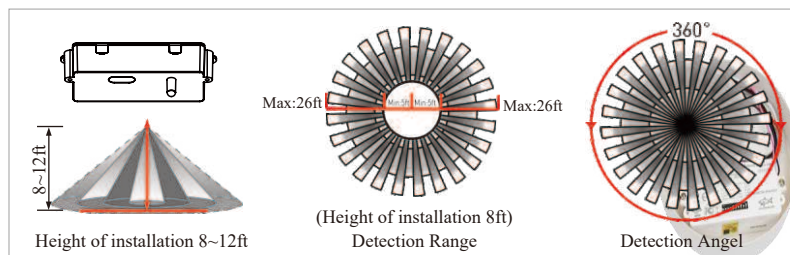
OCC

We can provide a factory-installed integrated sensor system for multi-level control based on motion and/or daylight contribution with BRI810-B-D level & daylight harvest microwave sensor from SHARKWARD. For more info or spec sheet, please contact sales.

Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @-40°F~+158°F	Resistive/ Tungsten-600W@120V
y 40#~+70#y	Electronic
HF System	Ballast(LED)-800VA@120V/1200VA@277V
Dim Control Output	0-10V,max 25mA sinking current
Detection Radius/angle	Max 26ft.(8m)/360
Mounting Height	Max 12ft
Humidity	Max:95% RH
Temperature	-40°F~+158°F (-40#~+70#)

Sensor Coverage



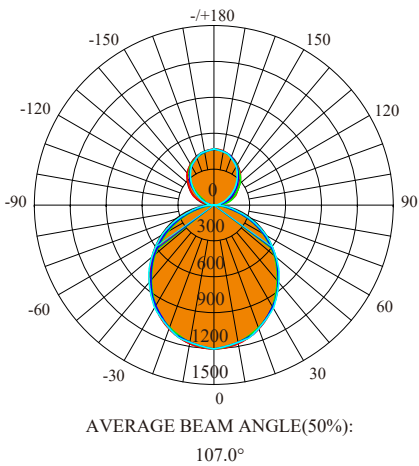
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DISTRIBUTION DIAGRAM

4"/ Diffuser/25% Up,75% Down/3000K



Lumens: 4463.53 Lm
Watts: 40 W
LPW: 117.05 Lm/W
CCT: 3000K

UNIT:cd
— C0/180, 107.8°
— C30/210, 105.0°
— C60/240, 106.3°
— C90/270, 108.7°

Zonal Flux Diagram					
§	C0	C45	C90	C135	C180
5	1196	1186	1184	1186	1196
10	1176	1163	1166	1164	1176
15	1144	1134	1147	1137	1144
20	1100	1099	1096	1105	1101
25	1046	1040	1045	1049	1047
30	983.8	974.0	994.5	987.2	983.9
35	913.6	905.7	919.2	923.9	913.6
40	836.9	833.7	844.0	846.3	838.4
45	755.3	746.1	768.7	698.4	756.8
50	669.2	659.0	679.5	556.0	671.7
55	579.4	572.1	590.3	437.6	582.0
60	486.8	469.5	501.1	363.2	489.7
65	391.2	368.8	402.2	293.0	394.7
70	294.2	268.6	303.3	225.0	298.3
75	198.5	168.9	204.3	159.3	200.2
80	106.8	81.23	136.7	99.44	108.9
85	33.35	48.53	69.09	53.24	21.01
90	2.077	17.62	1.475	8.028	4.643
95	37.89	55.62	20.43	30.93	9.619
100	85.15	92.66	39.39	54.84	50.11
105	132.6	120.2	58.34	90.05	99.92
110	171.1	146.7	90.93	124.8	147.2
115	203.4	175.7	123.5	154.9	192.7
120	225.3	208.1	156.1	184.7	222.0
125	250.5	242.3	193.6	217.3	250.6
130	281.2	271.9	231.1	253.0	282.4
135	315.0	300.8	268.6	288.1	317.3
140	344.3	330.5	303.8	321.1	349.4
145	366.5	355.0	339.1	347.7	372.3
150	386.3	378.6	374.4	372.5	392.5
155	406.6	404.4	398.0	397.7	411.0
160	426.0	428.6	421.5	421.8	427.1
165	445.1	443.3	445.1	435.6	441.9
170	460.3	455.2	453.3	449.3	453.6
175	468.6	463.9	461.4	460.9	463.9
180	469.5	469.5	469.5	469.5	468.2
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
§	Ç total
0-5	28.52
5-10	112.6
10-15	249.2
15-20	433.4
20-25	657.5
25-30	913.6
30-35	1193
35-40	1485
40-45	1778
45-50	2062
50-55	2327
55-60	2564
60-65	2768
65-70	2933
70-75	3055
75-80	3155
80-85	2975
85-90	2989
90-95	2993
95-100	3232
100-105	3271
105-110	3326
110-115	3394
115-120	3474
120-125	3565
125-130	3667
130-135	3777
135-140	3890
140-145	4003
145-150	4111
150-155	4209
155-160	4296
160-165	4367
165-170	4420
170-175	4452
175-180	4464
UNIT: lm	

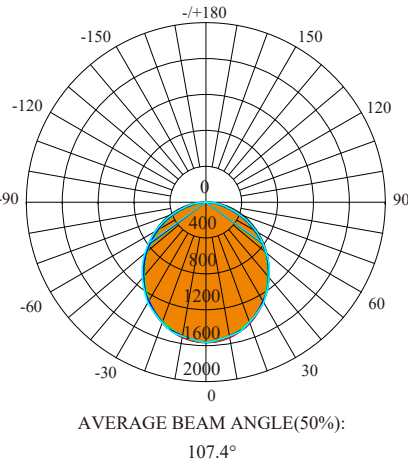
Luminance cd/(m2)		
G(DEG)	C0/180	C90/270
85	7220	14957
80	11609	14854
75	14471	14895
70	16230	16730
65	17465	17956
60	18369	18911
55	19060	19419
50	19643	19946
45	20155	20511

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DISTRIBUTION DIAGRAM

4"/ Diffuser/100% Down/3000K



Lumens: 4175.42 Lm
Watts: 40 W
LPW: 107.97 Lm/W
CCT: 3000K

UNIT:cd
C0/180, 107.7°
C30/210, 105.9°
C60/240, 107.1°
C90/270, 108.9°

Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
°	C0	C45	C90	C135	C180	°	Ç total	G(DEG)	C0/180	C90/270
5	1556	1543	1539	1542	1555	0-5	37.10	85	9446	19236
10	1532	1513	1514	1513	1528	5-10	146.5	80	15327	19123
15	1490	1475	1490	1475	1487	10-15	324.3	75	18920	19183
20	1433	1430	1423	1432	1429	15-20	563.8	70	21187	21598
25	1363	1353	1356	1359	1360	20-25	855.4	65	22791	23210
30	1282	1268	1290	1277	1277	25-30	1189	60	23954	24462
35	1190	1180	1192	1194	1186	30-35	1552	55	24868	25149
40	1090	1086	1095	1093	1087	35-40	1932	50	25588	25854
45	984.1	972.8	997.1	903.1	982.0	40-45	2314	45	26258	26605
50	871.7	859.5	880.8	717.3	870.4	45-50	2684			
55	756.0	747.0	764.5	563.3	753.9	50-55	3028			
60	634.8	616.5	648.3	465.0	633.8	55-60	3337			
65	510.5	488.9	519.9	373.3	510.2	60-65	3603			
70	384.1	361.7	391.5	283.0	384.4	65-70	3818			
75	259.5	235.0	263.1	194.8	257.1	70-75	3977			
80	141.1	120.8	176.0	115.2	139.2	75-80	4081			
85	43.64	60.87	88.86	59.69	25.85	80-85	4138			
90	0.7283	2.885	1.718	5.544	3.443	85-90	4157			
95	1.779	2.816	1.973	4.765	0.5225	90-95	4158			
100	1.956	2.742	2.228	4.015	0.7466	95-100	4159			
105	2.181	2.862	2.483	4.599	1.017	100-105	4160			
110	2.418	2.997	2.832	5.326	1.321	105-110	4162			
115	2.619	3.078	3.181	5.658	1.638	110-115	4163			
120	2.871	3.146	3.530	5.661	1.941	115-120	4164			
125	3.091	3.239	3.785	5.580	2.264	120-125	4166			
130	3.306	3.442	4.039	5.066	2.544	125-130	4167			
135	3.530	3.716	4.294	4.649	2.810	130-135	4168			
140	3.712	4.043	4.347	4.380	3.043	135-140	4170			
145	3.880	4.233	4.400	4.376	3.277	140-145	4171			
150	4.029	4.362	4.453	4.417	3.557	145-150	4172			
155	4.127	4.466	4.439	4.556	3.795	150-155	4173			
160	4.230	4.512	4.426	4.705	3.991	155-160	4174			
165	4.318	4.405	4.412	4.765	4.164	160-165	4174			
170	4.318	4.354	4.374	4.534	4.290	165-170	4175			
175	4.248	4.286	4.337	4.390	4.397	170-175	4175			
180	4.300	4.300	4.300	4.300	4.458	175-180	4175			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				