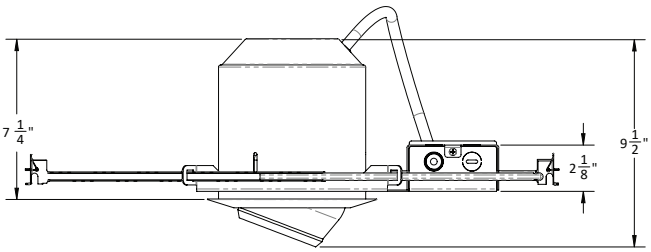
LPD - Low Profile Directional
Recessed LED Luminaire 3500K MRI Compatible

Product Description

The LPD - Low Profile Directional Recessed LED Luminaire is a non-ferrous, direct current (DC) adjustable LED Lamp specifically designed to provide increased directional lighting for procedures on the MRI Table. Contains no on-board electronics therefore will not interfere with MRI imaging. Certified to meet MRI vendor EMI requirements. MRI applications require EMI free emissions for specific frequency bands. All drive circuitry employs linear regulation and no pulse width modulation (PWM*).

Performance Summary

- Initial Delivered Lumens: 1350 lm
- Input Power: 12 watts
- CCT: 3500K
- Limited Warranty: 3 years
- Lifetime: Designed to last 50,000 hours
- Dimming: Linear



Mechanical

	Minimum	Typical	Maximum	Units
Package	-	6” Can	-	-
Electrical Connection	-	Flying Leads / Ethernet Wiring	-	-
Fixture Weight	-	3.0	-	lbs

Electrical

	Minimum	Typical	Maximum	Units
Input Voltage	-	36	-	VDC
Input Current	-	350	-	mA
Input Power	-	12	-	W
BTU	-	41	-	BTU/hr

Compliance

	Minimum	Typical	Maximum	Units
IP	20	25	-	Dry Location
ETL/UL	-	Enclosure Rated	-	UL-8750/2108
RoHS	-	Pending	-	2011/65/EU

Environmental

	Minimum	Typical	Maximum	Units
Storage Temperature	-40	25	85	C
Operating Temperature	-20	25	35	C
Humidity	5	-	95	%
Lifespan	50000	-	-	Hours
Warranty	3	-	-	Years

Installation Notes

A RF Filter is required for proper operation in the MRI suite
A Power Supply is required for proper operation in the MRI suite
*PWM is known to cause image artifacts, audible noise and light flicker

1-07-000105 - Ethernet Wiring
1-07-000106 - DC Wiring

PDC Specification Submittal

Job Name:	
Job Number:	
Model Numbers:	Fixture Type:

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Intertek

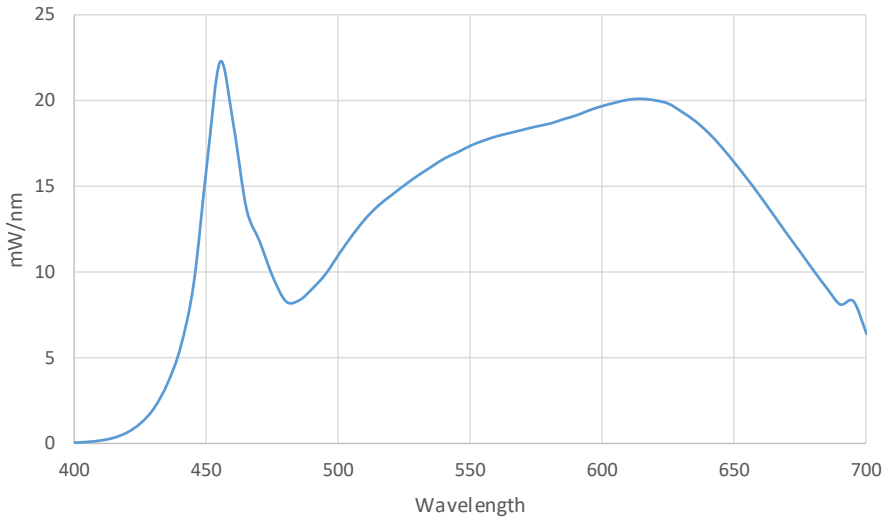
Date Revised: 2022.03.02

Photometric Data and IES Distribution

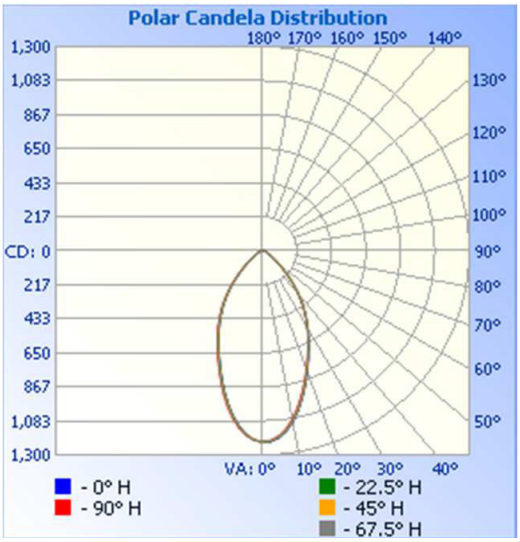
Photometric

	Minimum	Typical	Maximum	Units
Luminous Flux	-	1347	-	lm
CCT	-	3500	3883	k
CRI	80	-	-	-
Chromaticity (u')	-	0.226	-	-
Chromaticity (v')	-	0.506	-	-
Efficacy	-	98.32	-	lm/W

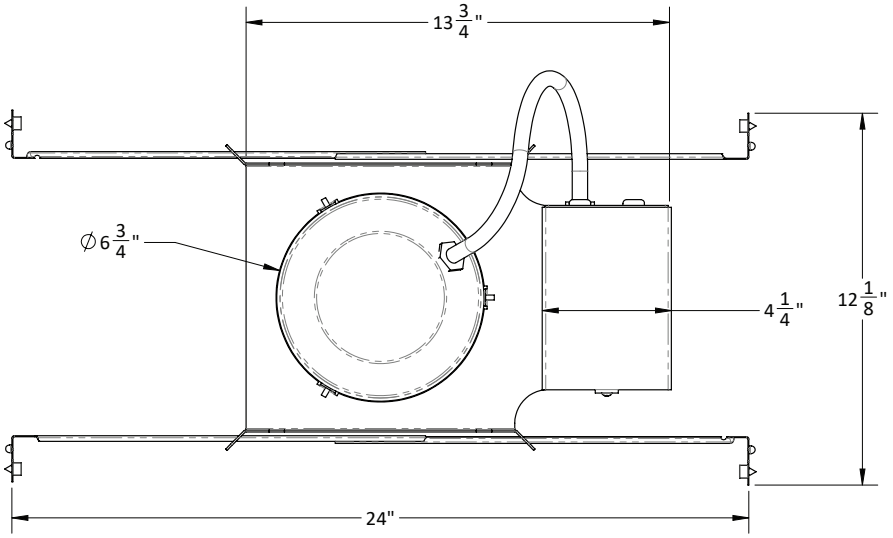
Spectral Data Over Visible Wavelength

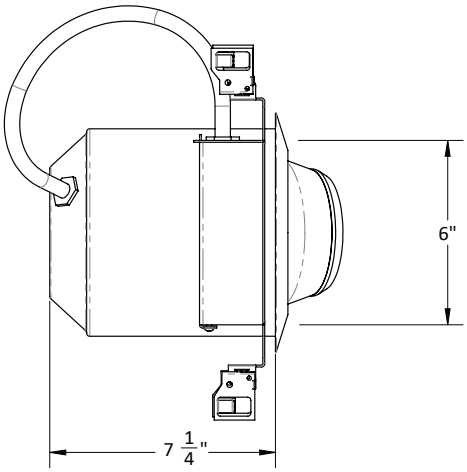


Polar Plot



Mechanical Detail





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