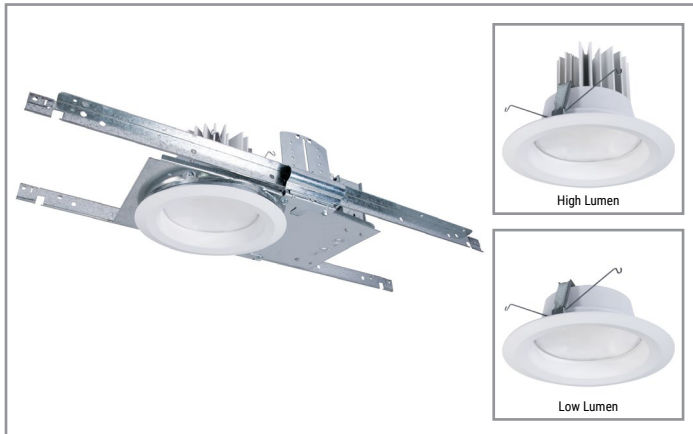


Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO Commercial

PR6 | PR6M

6-inch LED self-flanged, lensed downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Photometric Data page 4
- Energy & Performance Data page 6
- Product Warranty

Product Certification



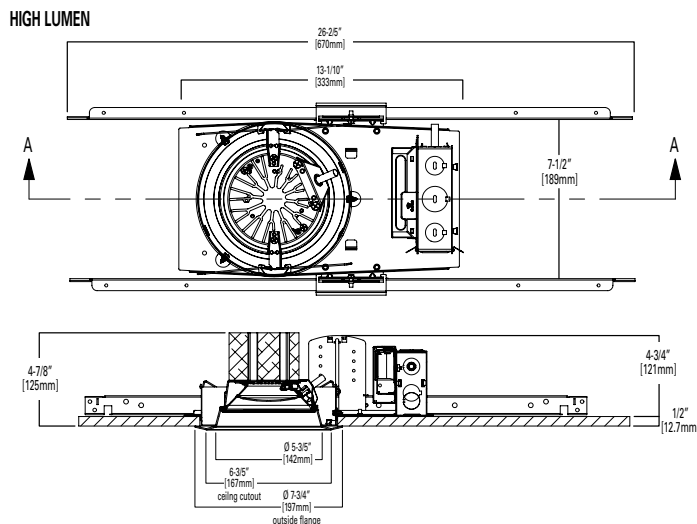
Product Features



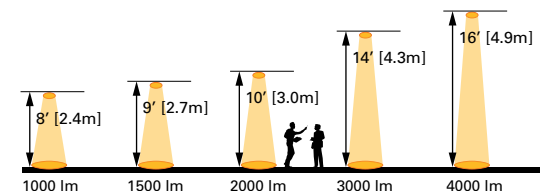
Top Product Features

- Selectable lumens 1000/1500/2000 and 2000/3000/4000
- Selectable color temperature 3000K/3500K/4000K
- Available in 80 CRI or 90 CRI
- Medium/Wide beam distribution lens
- Wall wash accessory kit

Dimensional and Mounting Details



Scale



Nominal values for 15-20 footcandles at nadir.

[additional product diagrams](#)

Order Information

SAMPLE ORDER NUMBER: **PR6FS24D010REM7 – PR6M24MD8FSMW**

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
Standard Driver 120-277VAC, 0-10V analog dimming				
PR6 = 6" aperture new construction / remodeler housing frame PR6CP = 6" aperture new construction / remodeler housing frame, CCEA Chicago Plenum rated	Field Selectable ⁽⁴⁾ FS12 = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only FS24 = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only Discrete (fixed) Factory Set ⁽⁵⁾ 10 = 1000 lumens (nominal), use with PR6M12* LED modules only 15 = 1500 lumens (nominal), use with PR6M12* LED modules only 30 = 3000 lumens (nominal), use with PR6M24* LED modules only	D010 = 120-277VAC 50/60Hz, 0-10V analog, 1%-100% dimming	REM7 = integral 7 watt emergency battery pack with remote test / indicator light, use with D010 only ⁽¹⁾ REM14 = integral 14 watt emergency battery pack with remote test / indicator light, use with D010 only ⁽¹⁾ BOD7ST = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only ⁽¹⁾ LWTPD1 = Enlighted factory installed wireless sensor kit, D010 only ⁽¹⁾ WTA = Field installed WaveLinX Sensor Kit ^{(1) (3)}	HB128APK = L-channel "No Fuss" hanger bar, 26", pair (replacement) RMB22 = Adjustable wood joist mounting bars, pair, extend 22" long H347 = 347 to 120V step down transformer, 75VA H347200 = 347 to 120V step down transformer, 200VA PORLWTPD1 = Enlighted wireless sensor kit, field installed, D010 only ⁽¹⁾ WTA = Field installed WaveLinX Sensor Kit ^{(1) (3)}
Notes	Notes	Notes	Notes	Notes
	(4) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module. (5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.		(1) Not available for Chicago Plenum (3) WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinX system specifications)	(1) Not available for Chicago Plenum (3) WTA = WaveLinX tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinX system specifications)

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
DLV Driver Distributed Low Voltage Power System				
PR6 = 6" aperture new construction / remodeler housing frame ⁽¹⁾	10 = 1000 lumens (nominal), use with PR6M12* LED modules only 15 = 1500 lumens (nominal), use with PR6M12* LED modules only 20 = 2000 lumens (nominal), use with PR6M12* LED modules or with PR6M24* LED modules 30 = 3000 lumens (nominal), use with PR6M24* LED modules only 40 = 4000 lumens (nominal), use with PR6M24* LED modules only	DLV = distributed low voltage dimming driver (1%-100%) For use with DLVP system. Refer to DLVP low-voltage power module and DLVP specifications for details. ⁽¹⁾	REM7V = 7 watt emergency battery pack with remote test / indicator light, use with DLV only ⁽¹⁾⁽²⁾ REM14V = 14 watt emergency battery pack with remote test / indicator light, use with DLV only ⁽¹⁾⁽²⁾	HB128APK = L-channel "No Fuss" hanger bar, 26", pair (replacement) RMB22 = Adjustable wood joist mounting bars, pair, extend 22" long
Notes	Notes	Notes	Notes	Notes
(1) Not available for Chicago Plenum	(5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	(1) Not available for Chicago Plenum	(1) Not available for Chicago Plenum (2) ULus for U.S. only	

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	12 = field selectable 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR612*, PR610*, PR615*, PR620* mounting frames only. 24 = field selectable 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR624*, PR620*, PR630*, PR640* mounting frames only.	MD = Medium distribution lens - factory installed (60°, 1.2 SC) Included: Wide distribution lens - field interchangeable option (65°, 1.3 SC)	Field Selectable 8FS = 80 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. 9FS = 90 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. Discrete (fixed) Factory Set 827 = 80 CRI (minimum) 2700K 927 = 90 CRI (minimum) 2700K 850 = 80 CRI (minimum) 5000K 950 = 90 CRI (minimum) 5000K	MW = matte white ring/self-flanged reflector MMS = matte metallic silver ring/self-flanged reflector BZ = bronze ring/self-flanged reflector	PR6WW = 6" wall wash optic, field installed OT400P = Oversize matte white trim ring 5-7/8" ID opening, 9-1/2" OD flange. Use when retrofitting up to 7-5/8" ceiling cutout of an existing housing.
Notes	Notes	Notes	Notes	Notes	Notes

Product Specifications

Frame

- Boat shaped galvanized steel plaster frame with adjustable plaster lip accommodates 1/2" to 1-1/2" thick ceilings
- May be installed in new construction; or from below the ceiling in non-accessible ceilings in remodeling (with bar hanger brackets removed)
- Provided with (2) remodel clips to secure the frame to the ceiling
- No Fuss™ mounting bars pre-installed

Universal Mounting Bracket

- Mounting bracket adjusts 2" vertically from above the ceiling or thru the aperture
- Use with No Fuss™ mounting bars (included) or with 1/2" EMT (by others)
- Removable for installation from below the ceiling in remodeling

Mounting Bars

- Captive preinstalled No Fuss™ mounting bars lock to tee grid with screwdriver or pliers
- Centering mechanism allows for consistent positioning of fixtures

LED Module

- Integrated self-flanged shallow reflector with multiple finish options
- Patented SeleCCTable™ color temperature technology and selectable lumen output for selection in the field
- Integrated dip switches for selectable color and lumen selection in the field
- Selectable CCT 3000K/3500K/4000K
- Selectable low and high lumen ranges:
 - Low Lumen: 1000lm, 1500lm, 2000m (nominal)
 - High Lumen: 2000lm, 3000lm, 4000lm (nominal)
- Discrete (fixed) lumen models in 1000lm, 1500lm, 3000lm (nominal); use to meet lighting power density codes
- Available in 80 CRI or 90 CRI (nominal) with color accuracy within 3 SDCM
- LED array uses a plurality of mid-power surface mount LEDs delivering high flux and excellent efficiency.
- Passive cooling achieves L70 at 50,000 hours
- Integral connector for quick link to the housing flex

LED Module – Optics

- Medium / wide beam lens included
- Lens ships in medium beam. Twist-to-lock feature allows conversion to wide beam in the field without tools.
- Micro-prismatic lens is precision formed optical polymer
- Louvered Wall Wash
 - Optional field installed wall wash kit offers 360°

rotation, allowing the housing to be installed in any orientation.

LED Module - Reflector

- Integrated self-flanged shallow reflector with LED array and lens
- Finish paint options: matte white, matte metallic silver, and dark bronze

LED Module - Retention

- Module/reflector is securely retained in the housing with (2) torsion springs holding the flange tightly to the ceiling

Driver

- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- Continuous 1% - 100% dimming with analog controls
- Optional "DLV" low voltage DC driver for use with DLVP distributed low voltage power system (see DLVP Design Guide / Brochure)

Emergency Option

- Available with 7W or 14W emergency battery pack with remote test switch / charge indicator light
- Provides 90 minutes of standby lighting meeting most life safety codes for egress
- Available Self-Test (self-diagnostic), with remote charge indicator and test switch

Connected Lighting System Options

- WaveLinX - Two WaveLinX options:
 - Factory installed WaveLinX tile mount sensor kit
 - Field installed WaveLinX accessory tile mount sensor kit.
- The WTA WaveLinX tile mount sensor kit offers daylight dimming, PIR motion sensing control, and optional RLTS - Real Time Location Services available. (Refer to WaveLinX system specifications and application guides for details) The WTA WaveLinX kit includes control module that mounts on the luminaire electrical junction box via 1/2" knock-out, and tilemount sensor with direct-mount spring clips or for octagon ceiling box with included mounting bracket. (Field mount kit ordered and installed separately).
- Enlighted wireless tile mount sensor and control kit

Junction Box

- Galvanized steel junction box

- 20in³ internal volume excluding voltage barrier
- 25 in³ internal total volume
- Voltage divider for 0-10V dimming wires [occupies (1) 1/2" pry-out space]
- Listed for (8) #12 AWG (four in, four out) 90° C conductors and feed-thru branch wiring
- (3) 1/2" and (2) 3/4" trade size pry-outs available
- (3) 4-port push wire nuts for mains voltage, with 1-port for fixture connection

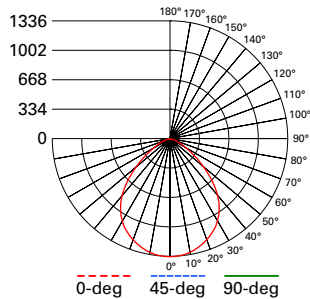
Compliance

- cULus Listed; wet location listed in protected ceilings
- IP20 - Above finished ceiling;
IP64 - Below finished ceiling
- Field selectable 1000/1500/2000 lm and 2000/3000/4000 lm models are Non-IC rated, insulation must be kept 3" from top and sides
- Fixed output 1000 and 1500 lm models are Type IC thermally protected and suitable for direct contact to air permeable insulation (also suitable for Non-IC)
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance of the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance of IES LM-79-08
- Lumen maintenance projections per IES LM-80-08 and TM-21-11
- Field selectable 1000/1500/2000lm and 2000/3000/4000lm models may be used for California Title 24 non-residential compliance, as a dimmable LED luminaire
- Fixed output 1000lm and 1500lm 90 CRI, Type IC models may also be used for California Title 24 Residential compliance
- ENERGY STAR® certified, see Certified Light Fixtures database

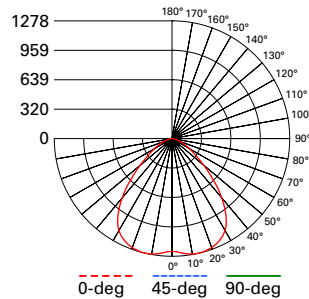
Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

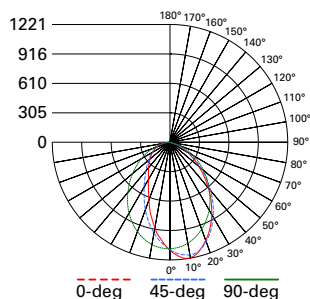
Photometric Data

 View IES files


PR6FS12D010 - PR6M12MD8FSMW
 Low lumen module, 2000 lumen, medium lens
 Spacing criterion: (II) 1.2 x
 Lumens: 2703
 Input Watts: 20.4 W
 Efficacy: 132.5 LPW
 UGR: 21
 Test Report: PR6FS12D010 PR6M12MD8FSMW 2000Lm3500K.ies



PR6FS12D010 - PR6M12MD8FSMW
 Low lumen module, 2000 lumen, wide lens
 Spacing criterion: (II) 1.33 x
 Lumens: 2674
 Input Watts: 20.4 W
 Efficacy: 131.1 LPW
 UGR: 21
 Test Report: PR6FS12D010 PR6M12MD8FSMW 2000Lm3500K.ies



PR6FS12D010 - PR6M12MD8FSMW - PR6WW
 Low lumen module - wall wash, 2000 lumen, wall wash accessory
 Spacing criterion: (II) 1.13 x
 Lumens: 2079
 Input Watts: 20.4 W
 Efficacy: 101.9 LPW
 UGR: 19
 Test Report: PR6FS12D010 PR6M12WW8FSMW 2000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

1	17.2	12.6	6.1	2.6	1.1	0.5	0.2
2	30.4	24.2	13.7	6.8	3.4	1.7	0.9
3	27.5	23.4	15.3	8.7	4.8	2.7	1.5
4	20	17.9	13.2	8.5	5.2	3.1	1.9
5	13.8	12.8	10.2	7.2	4.8	3.2	2.1
6	9.6	9	7.6	5.8	4.2	2.9	2
7	6.7	6.4	5.6	4.6	3.5	2.6	1.9
8	4.9	4.7	4.2	3.6	2.9	2.2	1.7
9	3.6	3.5	3.2	2.8	2.3	1.9	1.5
10	2.7	2.7	2.5	2.2	1.9	1.6	1.3

MULTIPLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

3

2.5' from wall (distance from fixture along wall)

4

1	19.8	18.2	19.8	18.3	12.2	18.3
2	37.2	37.9	37.2	33.7	27.4	33.7
3	36.2	38.9	36.2	32.3	30.6	32.3
4	28.5	31.4	28.5	25.2	26.3	25.2
5	21.1	23.2	21.1	18.7	20.3	18.7
6	15.4	16.7	15.4	13.8	15.2	13.8
7	11.3	12.2	11.3	10.2	11.3	10.2
8	8.4	9	8.4	7.7	8.4	7.7
9	6.4	6.7	6.4	5.9	6.4	5.9
10	4.9	5.1	4.9	4.6	4.9	4.6

Photometric Multipliers - Selectable lumen 1000lm - 1500lm - 2000lm

1000 Lumen	1500 Lumen	2000 Lumen
0.51	0.65	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers - 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.88	1.00	0.96

Multipliers for nominal values with other series models

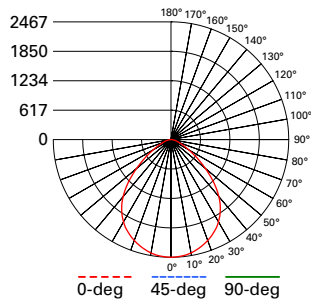
CCT Multipliers - 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.76	0.76	0.74

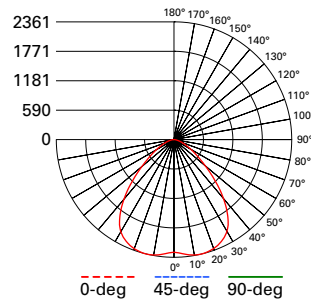
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

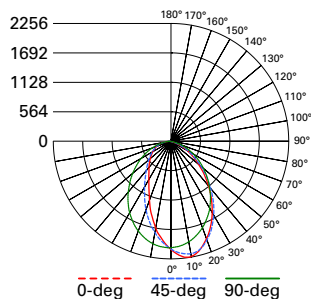
Photometric Data

 View IES files

**PR6FS24D010 -
PR6M24MD8FSMW**

High lumen module, 4000 lumen,
medium lens
Spacing criterion: (II) 1.2 x
Lumens: 4993
Input Watts: 39 W
Efficacy: 128 LPW
UGR: 23
Test Report:
PR6FS24D010 PR6M24MD8FSMW
4000Lm3500K.ies


**PR6FS24D010 -
PR6M24MD8FSMW**

High lumen module, 4000 lumen,
wide lens
Spacing criterion: (II) 1.33 x
Lumens: 4940
Input Watts: 39 W
Efficacy: 126.7 LPW
UGR: 23
Test Report:
PR6FS24D010 PR6M24MD8FSMW
4000Lm3500K.ies


**PR6FS24D010 -
PR6M24MD8FSMW - PR6WW**

High lumen module - wall wash, 2000
lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 3841
Input Watts: 39 W
Efficacy: 98.5 LPW
UGR: 21
Test Report:
PR6FS24D010 PR6M24WW8FSMW
4000Lm3500K.ies

SINGLE UNIT FOOTCANDLES
2.5' from wall (distance from fixture along wall)

	1	2	3	4	5	6	7	8	9	10
1	31.7	23.3	11.3	4.8	2	0.9	0.4			
2	56.1	44.8	25.3	12.6	6.2	3.1	1.6			
3	50.7	43.2	28.3	16.1	8.9	4.9	2.8			
4	37	33.1	24.3	15.7	9.6	5.8	3.5			
5	25.6	23.6	18.8	13.4	9	5.9	3.8			
6	17.7	16.6	14	10.8	7.8	5.4	3.8			
7	12.4	11.9	10.4	8.4	6.5	4.8	3.5			
8	9	8.7	7.8	6.6	5.3	4.1	3.1			
9	6.7	6.4	5.9	5.1	4.3	3.5	2.7			
10	5	4.9	4.6	4	3.5	2.9	2.4			

MULTIPLE UNIT FOOTCANDLES
2.5' from wall
(distance from fixture along wall)

3

2.5' from wall
(distance from fixture along wall)

4

	1	2	3	4	5	6	7	8	9	10
1	36.5	33.6	36.5	33.7	22.5	33.7				
2	68.8	70	68.8	62.3	50.7	62.3				
3	66.9	71.8	66.9	59.6	56.6	59.6				
4	52.7	58	52.7	46.6	48.6	46.6				
5	39	42.8	39	34.5	37.6	34.5				
6	28.4	30.9	28.4	25.5	28	25.5				
7	20.8	22.5	20.8	18.9	20.8	18.9				
8	15.6	16.6	15.6	14.3	15.6	14.3				
9	11.8	12.4	11.8	10.9	11.8	10.9				
10	9.1	9.5	9.1	8.5	9.1	8.5				

Photometric Multipliers - Selectable lumen 2000lm-3000lm-4000lm

2000 Lumen	3000 Lumen	4000 Lumen
0.54	0.69	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers - 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.89	1.00	0.95

Multipliers for nominal values with other series models

CCT Multipliers - 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.77	0.83	0.75

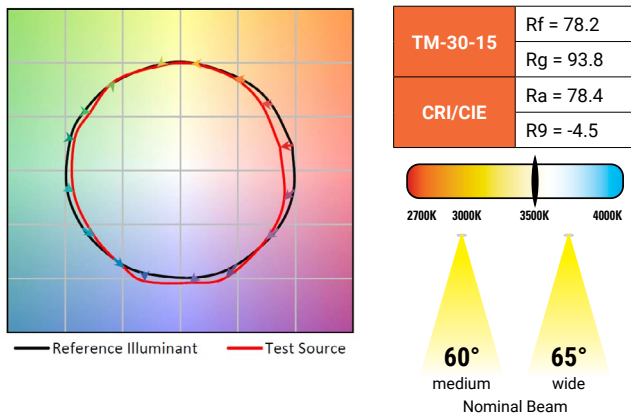
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

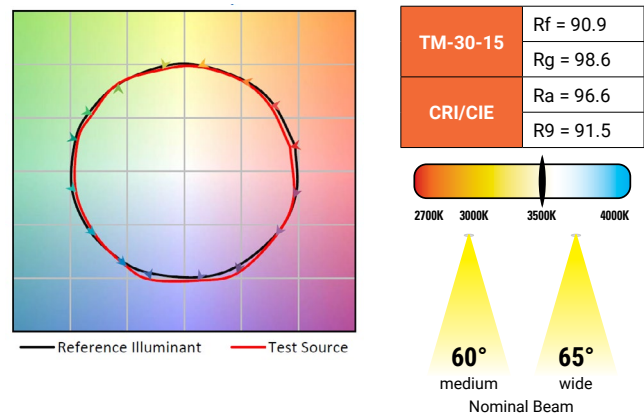
Energy and Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*



90 CRI Color Metric Summary - 3500K*



PR6FS12 LED MODULE LOW LUMEN RANGE

Series	1000 lumen		Series	1500 lumen		Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V	Input Voltage 120-277VAC	120V	277V	Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.089	0.043	Input Current (A)	0.112	0.052	Input Current (A)	0.178	0.079
Input Power (W)	10.5	11	Input Power (W)	13.4	13.8	Input Power (W)	21.3	21.4
In-rush (A)	8.9	22.2	In-rush (A)	9.9	24.8	In-rush (A)	8	19.1
In-rush Duration (ms)	0.145	0.118	In-rush Duration (ms)	0.198	0.107	In-rush Duration (ms)	0.185	0.133
THD (%)	<15.1	<16.7	THD (%)	<13.3	<15.5	THD (%)	<8.2	<10.6
PF	≥ 0.98	≥ 0.92	PF	≥ 0.98	≥ 0.94	PF	≥ 0.99	≥ 0.97
Minimum starting temperature -20°C (-4°F)*			Minimum starting temperature -20°C (-4°F)*			Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards			Sound Rating: Class A standards			Sound Rating: Class A standards		

PR6FS24 LED MODULE HIGH LUMEN RANGE

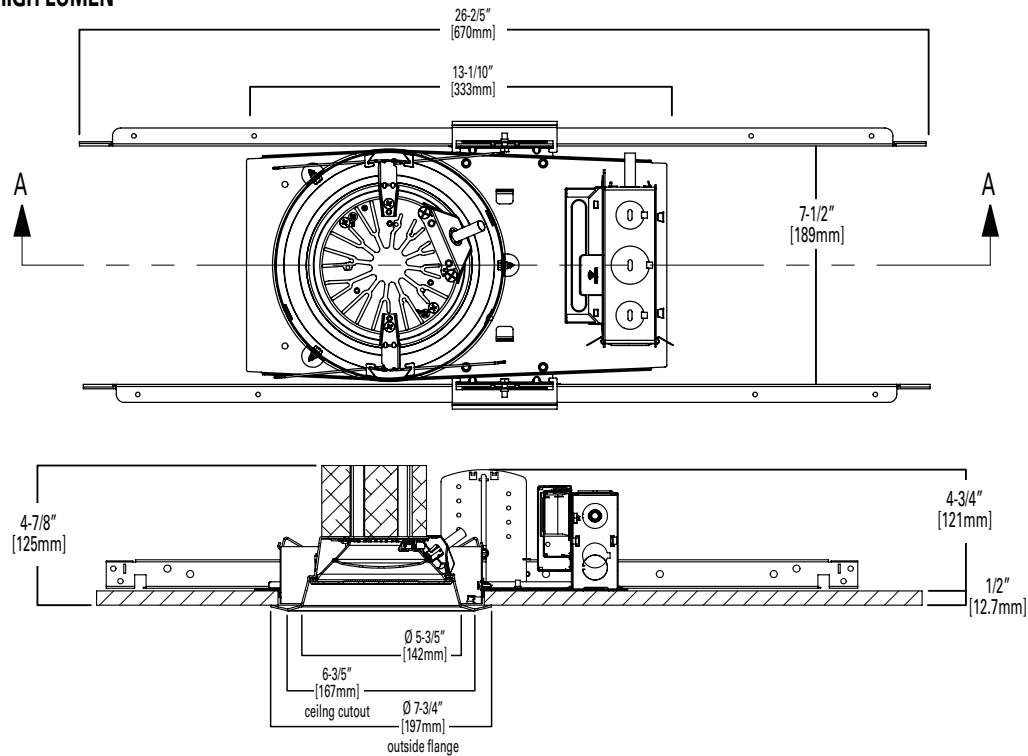
Series	2000 lumen		Series	3000 lumen		Series	4000 lumen	
Input Voltage 120-277VAC	120V	277V	Input Voltage 120-277VAC	120V	277V	Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.176	0.081	Input Current (A)	0.225	0.101	Input Current (A)	0.332	0.145
Input Power (W)	21	21.2	Input Power (W)	26.9	27	Input Power (W)	39.8	39.4
In-rush (A)	15.3	32.1	In-rush (A)	11.6	27.9	In-rush (A)	12.8	27.5
In-rush Duration (ms)	0.237	0.12	In-rush Duration (ms)	0.187	0.081	In-rush Duration (ms)	0.211	0.107
THD (%)	<11	<13.6	THD (%)	<9.05	<11.8	THD (%)	<5.9	<8.8
PF	≥ 0.99	≥ 0.94	PF	≥ 0.99	≥ 0.96	PF	≥ 0.99	≥ 0.98
Minimum starting temperature -20°C (-4°F)*			Minimum starting temperature -20°C (-4°F)*			Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards			Sound Rating: Class A standards			Sound Rating: Class A standards		

Notes:

* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

Dimensional Details

HIGH LUMEN



LOW LUMEN

