

FLUXWERX®

SPECIFICATION DATA

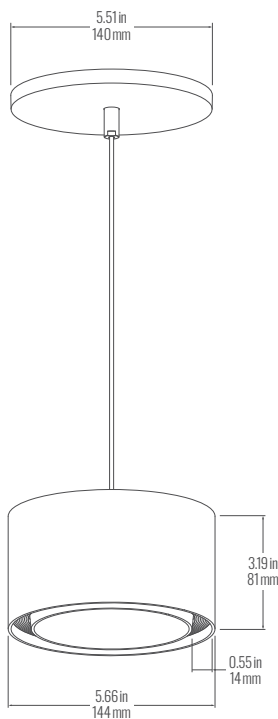
PORTAL PENDANT 5.5" (TC1-P05)

CATALOG

PROJECT

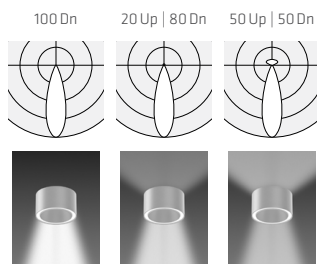
NOTES

DIMENSIONS

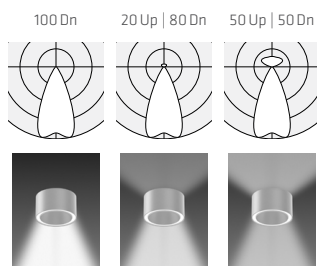


DISTRIBUTIONS

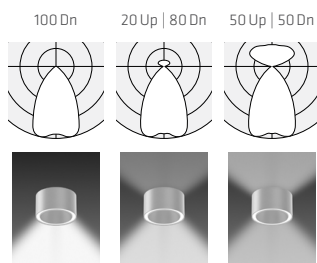
Narrow Beam (30°)



Medium Beam (45°)



Wide Beam (65°)



PERFORMANCE FOCUS

5.5" Medium Beam, 100% Down, 80 CRI 4000 K

	Energy (W)	Light (lm)	Efficacy (lm/W)	Certified
A	9 W	1300	138	ENERGY STAR (100 Dn)
B	12 W	1750	139	
C	16 W	2350	142	TITLE 24 JA8 (90 CRI)
D	21 W	3000	137	

Color Matching (SDCM)	Lumen Maintenance (hr)	
	L80 per TM21	L70 Estimate
< 2	> 72,000	> 130,000

Nominal values, refer to back pages for full performance data.

FEATURES

- Portal reimagines directional and general area illumination. Proprietary optics deliver exceptional lighting control from a minimalist aesthetic.
- To support your design vision, both 5.5" & 9" sizes are available in six mounting variants – Recessed, Semi-Recessed, Semi-Recessed Adjustable, Surface, Surface Adjustable & Pendant.
- Light outputs range from 1200 lm (5.5") to 4100 lm (9") with efficacies exceeding 150 lm/W.
- Flexible lighting schemes are enabled by beam angles of 30°, 45° & 65°, as well as 20 | 80 and 50 | 50 direct/indirect pendant distributions.
- White, Metallic Silver & Black powdercoat finishes (plus RAL colors) can be combined to augment the ceiling design.
- 80 and 90 CRI LEDs are available in four CCTs – 2700 K, 3000 K, 3500 K, 4000 K.

Declare.



SPECIFICATION DATA

PORTAL PENDANT 5.5" (TC1-P05)

ORDER GUIDE

1	2	3	4	5	6	7	8	9	10	11	12	13	OPTIONS	CONTROLS
TC1	P	05												

1	FAMILY	2	VERSION	3	SIZE	4	CEILING TYPE	5	SUSPENSION
TC1	Portal	P	Pendant	05	5.5"	D	Drywall	03	Cord ≤ 3 ft
				09	9"	G	Grid	06	Cord ≤ 6 ft
						S	Structure	12	Cord ≤ 12 ft
						R	Remote Driver	Tx	Stem 1–8 ft in 1ft increments
								T9	Stem 18"

6	FINISH	7	BEAM SPREAD	8	DISTRIBUTION	9	CRI	10	CCT	11	ENERGY ²		
FIXTURE FINISH ¹		CANOPY / BASE FINISH		N	Narrow (30°)	1	100 Dn	8	80 CRI	27	2700 K	A	9 W
B	Black Powdercoat	B	Black Powdercoat	M	Medium (45°)	2	20 Up 80 Dn	9	90 CRI	30	3000 K	B	12 W
S	Metallic Silver Powdercoat	S	Metallic Silver Powdercoat	W	Wide (65°)	5	50 Up 50 Dn			35	3500 K	C	16 W
W	White Powdercoat	W	White Powdercoat							40	4000 K	D	21 W
C	Custom Color (RAL)	C	Custom Color (RAL)										
¹ Cord or stem same as fixture except silver cord + white fixture.											² Nominal input power. Add 4 W for BP and 2 W for 347 V.		

12	DRIVER	13	VOLTAGE	OPTIONS	CONTROLS	
F1	Non-Dim	M	120–277 V	B Battery Pack ⁶	TYPE & LOCATION ⁹	BRAND & PROTOCOL ⁹
F2	0–10 V Dim 3%	1	120 V ⁴	C Chicago Plenum	R Remote Sensor / Controller on Ceiling S Sensor / Controller on Canopy V Controller on Remote Enclosure Y Controller on Canopy / Room side	N1 Acuity nLight Wired ¹⁰
F4	Line Voltage Dim (Fwd/Rev) 3% 120 V	2	277 V ⁴	H Emergency Switch (GTD) ^{6,7}		N2 Acuity nLight Air rIO ¹⁰
E1	eldoLED ECO 0–10 V Dim 1%	3	347 V ⁵	P Oversize J-Box Canopy ⁸		N3 Acuity nLight Air RPP20 ¹⁰
E2	eldoLED SOLO 0–10 V Dim 0.1%					E1 Enlighted Smart Sensor ¹¹
E3	eldoLED ECO DALI-2 DT6 Dim 1%					L1 Lutron Athena Wireless
E4	eldoLED SOLO DALI-2 DT6 Dim 0.1%					M1 Legrand Wattstopper PLUS
L1	Lutron Hi-Lume 1% EcoSystem (LDE1)					V1 Leviton Intellect Wireless
L3	Lutron Hi-Lume Premier 0.1% EcoSystem (PEQO) ³					
³ Max Energy C (16 W).		⁴ Fixed voltage only for (F4) Line Dim Driver or nLight controls.		⁶ BP & GTD: 120–277V only. Remote mounted in Structure ceiling. For Drywall ceiling, use Remote (R) or Structure (S) option.		¹⁰ nLight: Controller (V,Y) only.
		⁵ 347 V: Remote with transformer.		⁷ GTD not compatible with (F4) Line Dim driver.		¹¹ Enlighted: Sensor/Controller (R,S) only.
				⁸ For Structure ceilings.		
				⁹ Controls selection may be limited by version, protocol or other features – see Controls page.		

SPECIFICATION DATA PORTAL PENDANT 5.5" (TC1-P05)

PRODUCT DETAILS



Integrated suspension and power cord under 1/8" diameter

Cantilever suspension arm

Anidolic optical technology creates a homogenous circumference of light



LEVELING

Fixtures are factory pre-leveled and site adjustable.



STEM OPTION

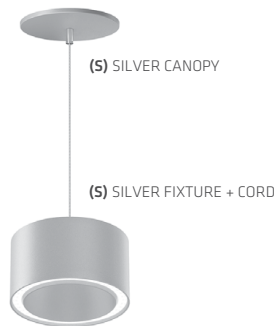
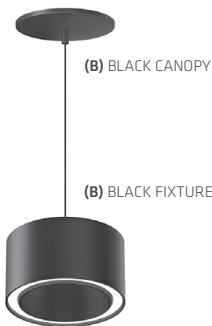
0.4" diameter stem, finish matches fixture.

Length options:
12", 18", 24", 36", 48", 60", 72", 84", 96"

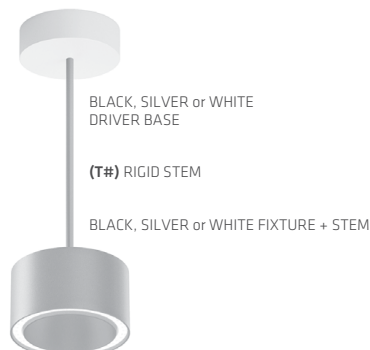
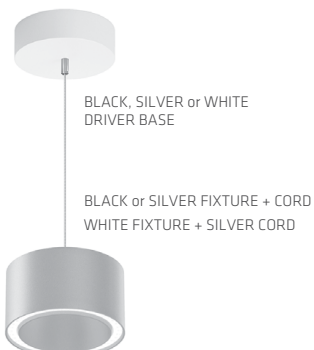
FINISHES

All finishes high temperature powder coated. Cord or rigid stem matched to fixture, except silver cord with white fixture.

(D) DRYWALL, (G) GRID CEILING & (R) REMOTE



(S) STRUCTURE CEILING

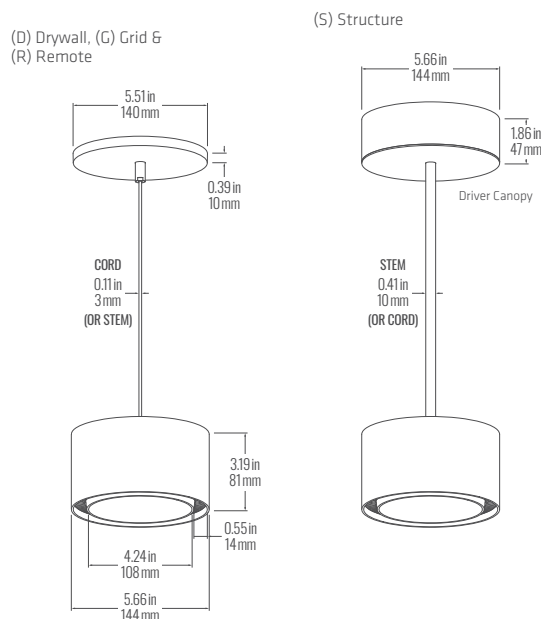


PORTAL PENDANT 5.5" (TC1-P05)

CEILING INTEGRATION

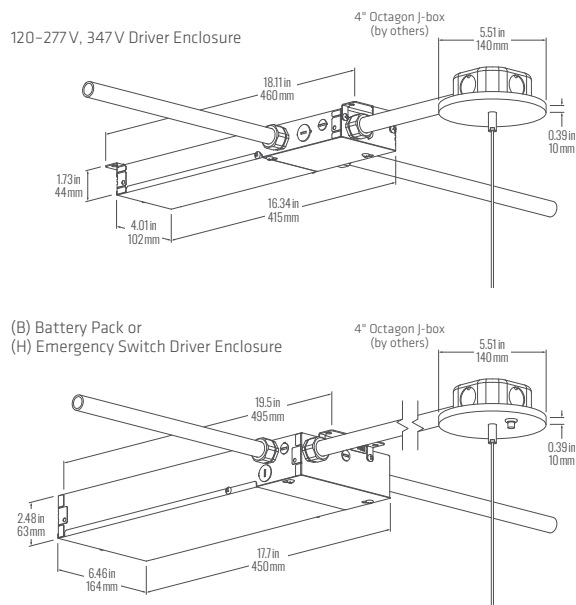
INTEGRATED DRIVER, MOUNTING, POWER FEED & CANOPY/BASE

FIXTURE & CANOPY/BASE DIMENSIONS



(R) REMOTE

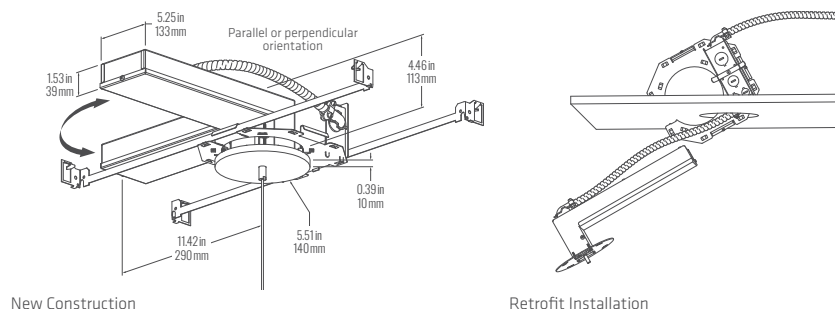
External remote mounted driver for exposed ceiling with conduit or recessed junction box. See Notes for recommended wire gauge.



(D) DRYWALL

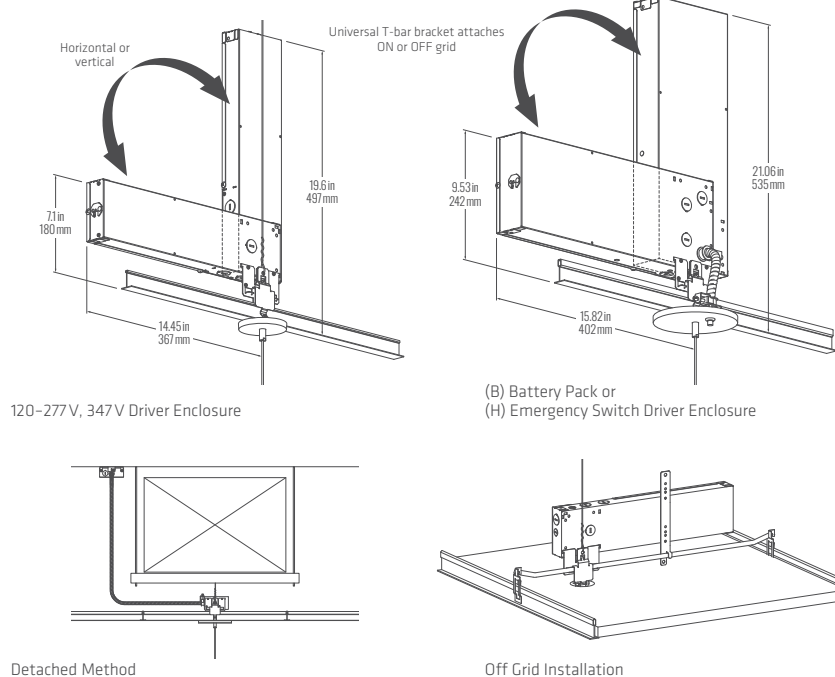
For GWB or panel ceiling < 0.875" (22 mm) thick.

120-277 V, 347 V Driver Enclosure



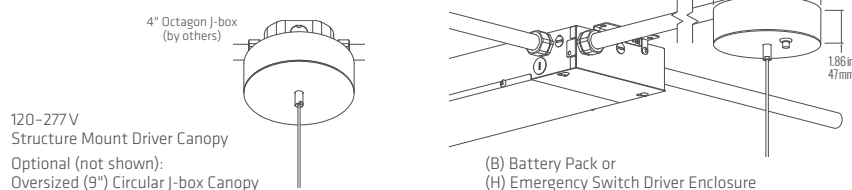
(G) GRID

For accessible ceiling grid < 1.75" (44 mm) tall.



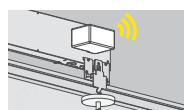
(S) STRUCTURE

For exposed ceiling with conduit or recessed junction box.

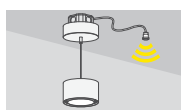


CONTROLS & SENSORS

LUMINAIRE INTEGRATION



V
Controller,
Enclosure/Plenum Side



R
Sensor,
Remote/on Ceiling



Y
Controller,
Canopy/Room Side



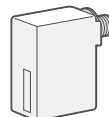
S
Sensor,
on Canopy

Sensor/Controller preinstalled into suspension canopy or ceiling collar (for remote tile or J-box lid installation).
Plenum rated cable whips and connectors for fast field activation.

(N1) Acuity
nLight Wired



nLight wired, digital network.
Model: nPS-80-EZ or nPS-80-EZ-ER
(with **H** - Emergency Switching)

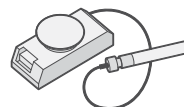


VN1 nLight Wired Controller, Enclosure/Plenum Side

(N2, N3) Acuity
nLight Air



Acuity nLight wireless network
interfaces.
Models: rIO, rPP20

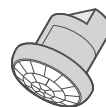


VN2 nLight rIO Controller, Enclosure/Plenum Side
VN3 nLight rPP20 Controller, Enclosure/Plenum Side

(E1) Siemens
Enlighted



Siemens Enlighted wireless smart
sensor-controllers.
Model: SU-5E-CL



RE1 Enlighted Smart Sensor, Remote/on Ceiling
SE1 Enlighted Smart Sensor, on Canopy

Enlighted in Drywall ceiling requires (R) Remote driver.

(L1) Lutron
Athena



Lutron Athena wireless smart
controllers & sensors.
Models: A-WN-D01-RF, A-WN-D01-OCC
For YL1 and SL1:
Default Athena color to match fixture/canopy color
Canopy Athena
WH WH
SV BK
BK BK
For VL1 and RL1: default WH

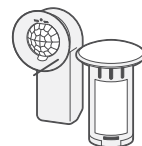


VL1 Athena Controller, Enclosure/Plenum Side
YL1 Athena Controller, Canopy/Room Side
RL1 Athena Sensor, Remote/on Ceiling
SL1 Athena Sensor, on Canopy

(M1) Legrand
Wattstopper
PLUS



Wattstopper PLUS wireless smart
controllers & sensors.
Models: ZBHA-CLM, EN-CLM-PIR

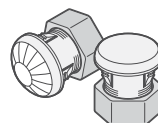


VM1 Wattstopper PLUS Control Module,
Enclosure/Plenum Side
YM1 Wattstopper PLUS Control Module,
Canopy/Room Side
RM1 SensiLUM Sensor, Remote/on Ceiling
SM1 SensiLUM Sensor, on Canopy

(V1) Leviton
Intellect



Leviton Intellect wireless smart
controllers & sensors.
Models: ZL0x0, ZL0x5



VV1 Intellect Controller, Enclosure/Plenum Side
YV1 Intellect Controller, Canopy/Room Side
RV1 Intellect Sensor, Remote/on Ceiling
SV1 Intellect Sensor, on Canopy

Ask us about...

Pass & Seymour®

EATON

DISTECH
CONTROLS

CRESTRON

CASAMBI

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Due to continuous product improvements, specifications and dimensions are subject to change without notice.
Certain options have limited compatibility with some other product selections. Consult www.fluxwerx.com for most current technical information.

SPECIFICATION DATA
PORTAL PENDANT 5.5" (TC1-P05)

NOTES

CONSTRUCTION

- Architectural grade aluminum and 22 ga. steel housings
- Canopies and driver enclosures suitable for new build or retrofit in grid, GWB, structure or hard lid ceilings.
- White, metallic silver or black textured powdercoat standard finishes

OPTICAL

- Circular anidolic optical structures
- Precision molded high transmittance clear acrylic lenses
- Long life LED system designed for typical TM21 lumen maintenance $\geq$ L80 @ 72,000 h
- Available in 2700 K, 3000 K, 3500 K, 4000 K with CRI $\geq$ 80 and R9 $\geq$ 0, or CRI $\geq$ 90 and R9 $\geq$ 50, all with color accurate binning $\leq$ 2 SDCM

ELECTRICAL

- Low voltage power cord factory pre-installed
- Integral high efficiency drivers for 50–60 Hz, 120–277 V or 347 V
- Power Factor:
 > 0.87 (Drivers F1, F2, E1-E4)
 > 0.70 (Driver L1, Energy B-E)
- Total Harmonic Distortion:
 < 20 % (Drivers F1, F2, E1-E4)
- Dim level: Standard 3%, optional 1% or 0.1%
- Surge Protection: Meets ANSI C82.1 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

EMERGENCY

- Optional Battery Pack delivers 10 W Class 2 rated output for 90 min. See Family Performance for estimated emergency output
- Optional GTD (Generator Transfer Switch), 120–277 V, disables 0–10 V control during emergency for full light output

WIRE GAUGE

- Recommended low voltage wire gauge (AWG) for minimal losses over distance when REMOTE mounting:
 30 ft | 18 ga
 50 ft | 14 ga
 80 ft | 12 ga

ENVIRONMENTAL & CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30°C (32–86°F)
- The luminaire may be damaged by chemicals such as chlorine, solvents, ammonia, alcohol or sulfur in the area of operation or in cleaning products. Damage from contaminants is not covered under warranty.
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

WEIGHT

- Drywall/Grid/Remote:
 Fixture only 2.3 lbs (1 kg), plus driver enclosure & mounting
- Structure:
 Fixture & driver canopy 4.5 lbs (2 kg)

WARRANTY

- 5 year limited warranty on all components and workmanship

INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED @ 12,000 h)

APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- IC Rated
- Energy Star (100 Dn Distribution)
- Title 24 JA8-2019 (90 CRI versions)
- Living Building Challenge (LBC) Declared

DRIVERS + EMERGENCY

STANDARD DRIVER OPTIONS	
OPTOTRONIC® ADVANCE 	F1 Non-Dim F2 0–10 V Dim 3% F4 Line Voltage Dim 3% (Forward/Reverse) 120 V
eldoLED®	E1 eldoLED ECO 0–10 V Dim 1% E2 eldoLED SOLO 0–10 V Dim 0.1% E3 eldoLED ECO DALI-2 DT6 Dim 1% E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
	L1 Lutron Hi-Lume 1% EcoSystem (LDE1) L3 Lutron Hi-Lume Premier 0.1% EcoSystem (PEQ0)

EMERGENCY OPTIONS	
 	B Battery Pack Bodine BSL310 (10 W) H Emergency Switching Functional Devices ESRB Emergency Lighting Relay

Driver and emergency selection may be limited by product or version.
For further options, contact Fluxwerx.

SPECIFICATION DATA
PORTAL PENDANT 5.5" (TC1-P05)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K	2700 K
Color Rendering (CRI)	83	82	82	83
Red Index (R ₉)	5	3	3	5
Fidelity (TM-30 R _f)	84	83	84	86
Gamut (TM-30 R _g)	93	96	94	95
Color Matching (SDCM)	< 2			

90 CRI	4000 K	3500 K	3000 K	2700 K
Color Rendering (CRI)	93	93	93	93
Red Index (R ₉)	59	57	57	57
Fidelity (TM-30 R _f)	90	89	90	91
Gamut (TM-30 R _g)	97	99	97	97
Color Matching (SDCM)	< 2			

Typical colorimetry values.



LUMEN MAINTENANCE

	A 9 W	B 12 W	C 16 W	D 21 W
L80 per TM-21 (hr)	> 72,000			
L70 Estimate (hr)	> 130,000			

OUTPUT MULTIPLIERS

MULTIPLIER	Applies To	
90 CRI	0.86	All 80 CRI
Battery Pack	0.95	Energy B (12 W)

FITURE FINISH	Up Dn %	Narrow Beam	Medium Beam	Wide Beam
Black	100 Dn	0.94	0.94	0.92
	20 Up 80 Dn	0.90	0.90	0.89
	50 Up 50 Dn	0.86	0.85	0.84
Metallic Silver	100 Dn	0.94	0.94	0.92
	20 Up 80 Dn	0.93	0.93	0.91
	50 Up 50 Dn	0.92	0.91	0.90

For 90 CRI, emergency BP or non-white fixtures, use multipliers to scale published Light (lm), Efficacy (lm/W), Intensity (Cd), Luminance (Cd/m²) and IES files.

VERSION PERFORMANCE – WIDE BEAM

W1 – 5.5" Wide Beam, 100 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT			LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)	
TC1-P05-W1840 4000 K	A	9 W	1266	9.64	131.3	1,002	201	>10,000	16.0	Portal Pendant – 5.5" Wide Beam 100% Dn
	B	12 W	1679	12.64	132.8	1,329	266	>10,000	17.0	
	C	16 W	2247	16.56	135.7	1,778	357	>10,000	18.0	
	D	21 W	2865	21.89	130.9	2,268	455	>10,000	18.8	
TC1-P05-W1835 3500 K	A	9 W	1249	9.64	129.6	989	198	>10,000	15.9	
	B	12 W	1657	12.64	131.1	1,312	263	>10,000	16.9	
	C	16 W	2217	16.56	133.8	1,755	352	>10,000	17.9	
	D	21 W	2827	21.85	129.4	2,238	449	>10,000	18.8	
TC1-P05-W1830 3000 K	A	9 W	1205	9.64	125.0	954	191	>10,000	15.8	
	B	12 W	1598	12.64	126.5	1,265	254	>10,000	16.8	
	C	16 W	2139	16.56	129.1	1,693	339	>10,000	17.8	
	D	21 W	2727	21.85	124.8	2,159	433	>10,000	18.7	
TC1-P05-W1827 2700 K	A	9 W	1153	9.64	119.6	912	183	>10,000	15.7	
	B	12 W	1529	12.64	121.0	1,210	243	>10,000	16.6	
	C	16 W	2046	16.56	123.5	1,619	325	>10,000	17.7	
	D	21 W	2587	21.40	120.9	2,048	411	>10,000	18.5	



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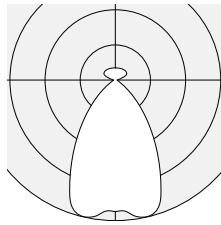
PORTAL PENDANT 5.5" (TC1-P05)

VERSION PERFORMANCE – WIDE BEAM

W2 – 5.5" Wide Beam, 20 Up | 80 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-W2840 4000 K	A	9 W	1226	9.35	131.1	721	154	7,620	<10.0
	B	12 W	1657	12.35	134.2	975	208	>10,000	10.9
	C	16 W	2233	16.15	138.2	1,314	281	>10,000	11.9
	D	21 W	2923	21.72	134.6	1,720	368	>10,000	12.9
TC1-P05-W2835 3500 K	A	9 W	1209	9.35	129.3	712	152	7,520	<10.0
	B	12 W	1635	12.35	132.4	962	206	>10,000	10.9
	C	16 W	2203	16.15	136.4	1,296	277	>10,000	11.9
	D	21 W	2884	21.72	132.8	1,697	363	>10,000	12.8
TC1-P05-W2830 3000 K	A	9 W	1167	9.35	124.8	686	147	7,250	<10.0
	B	12 W	1577	12.35	127.7	928	198	9,800	10.7
	C	16 W	2125	16.15	131.6	1,250	267	>10,000	11.8
	D	21 W	2782	21.72	128.1	1,637	350	>10,000	12.7
TC1-P05-W2827 2700 K	A	9 W	1116	9.35	119.3	657	140	6,940	<10.0
	B	12 W	1509	12.35	122.2	888	190	9,380	10.6
	C	16 W	2033	16.15	125.9	1,196	256	>10,000	11.6
	D	21 W	2661	21.72	122.5	1,566	335	>10,000	12.6

LIGHT DISTRIBUTION



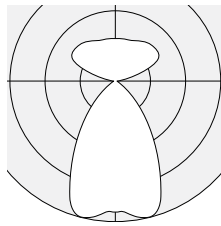
Portal Pendant – 5.5"
Wide Beam
25% Up | 75% Dn

Beam Angle 66°

W5 – 5.5" Wide Beam, 50 Up | 50 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-W5840 4000 K	A	9 W	1238	9.35	132.4	426	96	4,530	<10.0
	B	12 W	1674	12.35	135.6	575	130	6,120	<10.0
	C	16 W	2256	16.15	139.7	775	176	8,250	<10.0
	D	21 W	2953	21.14	139.7	1,015	230	>10,000	10.8
TC1-P05-W5835 3500 K	A	9 W	1222	9.35	130.7	420	95	4,470	<10.0
	B	12 W	1652	12.35	133.8	568	128	6,040	<10.0
	C	16 W	2226	16.15	137.8	765	173	8,140	<10.0
	D	21 W	2914	21.30	136.8	1,002	227	>10,000	10.8
TC1-P05-W5830 3000 K	A	9 W	1179	9.35	126.1	405	92	4,310	<10.0
	B	12 W	1594	12.35	129.0	548	124	5,830	<10.0
	C	16 W	2147	16.15	133.0	738	167	7,850	<10.0
	D	21 W	2811	21.32	131.8	966	219	>10,000	10.6
TC1-P05-W5827 2700 K	A	9 W	1128	9.35	120.6	388	88	4,130	<10.0
	B	12 W	1524	12.35	123.4	524	119	5,580	<10.0
	C	16 W	2054	16.15	127.2	706	160	7,520	<10.0
	D	21 W	2689	21.17	127.0	924	209	9,830	10.5

LIGHT DISTRIBUTION



Portal Pendant – 5.5"
Wide Beam
55% Up | 45% Dn

Beam Angle 66°

SPECIFICATION DATA

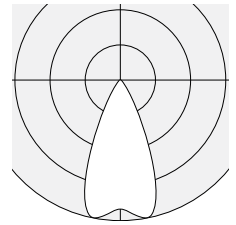
PORTAL PENDANT 5.5" (TC1-P05)

VERSION PERFORMANCE – MEDIUM BEAM

M1 – 5.5" Medium Beam, 100 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-M1840 4000 K	A	9 W	1325	9.64	137.5	2,054	54	5,000	14.0
	B	12 W	1758	12.64	139.1	2,725	72	6,630	15.0
	C	16 W	2352	16.56	142.1	3,645	96	8,860	16.0
	D	21 W	3000	21.84	137.3	4,648	122	>10,000	16.9
TC1-P05-M1835 3500 K	A	9 W	1308	9.64	135.7	2,027	53	4,930	14.0
	B	12 W	1735	12.64	137.3	2,689	71	6,540	15.0
	C	16 W	2321	16.56	140.2	3,597	95	8,750	16.0
	D	21 W	2960	21.84	135.5	4,587	121	>10,000	16.8
TC1-P05-M1830 3000 K	A	9 W	1262	9.64	130.9	1,955	52	4,760	13.8
	B	12 W	1674	12.64	132.4	2,594	68	6,310	14.8
	C	16 W	2239	16.56	135.2	3,470	91	8,440	15.8
	D	21 W	2855	21.84	130.7	4,425	116	>10,000	16.7
TC1-P05-M1827 2700 K	A	9 W	1207	9.64	125.2	1,870	49	4,550	13.7
	B	12 W	1601	12.64	126.7	2,481	65	6,030	14.7
	C	16 W	2142	16.56	129.4	3,320	87	8,080	15.7
	D	21 W	2731	21.84	125.1	4,233	111	>10,000	16.5

LIGHT DISTRIBUTION



Portal Pendant – 5.5"
Medium Beam
100% Dn

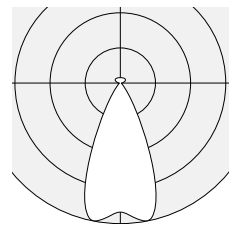
Beam Angle 47°



M2 – 5.5" Medium Beam, 20 Up | 80 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-M2840 4000 K	A	9 W	1271	9.35	135.9	1,538	38	1,980	<10.0
	B	12 W	1718	12.35	139.1	2,079	51	2,680	<10.0
	C	16 W	2315	16.15	143.3	2,801	68	3,600	<10.0
	D	21 W	3030	21.68	139.8	3,667	90	4,720	<10.0
TC1-P05-M2835 3500 K	A	9 W	1254	9.35	134.1	1,517	37	1,960	<10.0
	B	12 W	1695	12.35	137.3	2,051	50	2,640	<10.0
	C	16 W	2284	16.15	141.4	2,764	68	3,560	<10.0
	D	21 W	2990	21.68	137.9	3,618	88	4,660	<10.0
TC1-P05-M2830 3000 K	A	9 W	1210	9.35	129.3	1,464	36	1,890	<10.0
	B	12 W	1635	12.35	132.4	1,979	48	2,550	<10.0
	C	16 W	2203	16.15	136.4	2,666	65	3,430	<10.0
	D	21 W	2884	21.68	133.0	3,491	85	4,500	<10.0
TC1-P05-M2827 2700 K	A	9 W	1157	9.35	123.7	1,400	34	1,800	<10.0
	B	12 W	1564	12.35	126.7	1,893	46	2,440	<10.0
	C	16 W	2108	16.15	130.5	2,551	62	3,280	<10.0
	D	21 W	2759	21.68	127.3	3,339	82	4,300	<10.0

LIGHT DISTRIBUTION



Portal Pendant – 5.5"
Medium Beam
22% Up | 78% Dn

Beam Angle 47°

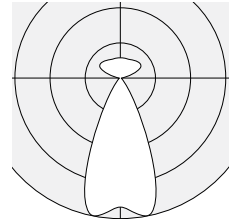
SPECIFICATION DATA

PORTAL PENDANT 5.5" (TC1-P05)

M5 – 5.5" Medium Beam, 50 Up | 50 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-M5840 4000 K	A	9 W	1271	9.35	135.9	909	25	1,310	<10.0
	B	12 W	1718	12.35	139.1	1,228	34	1,770	<10.0
	C	16 W	2315	16.15	143.3	1,655	45	2,380	<10.0
	D	21 W	3030	21.28	142.4	2,167	59	3,110	<10.0
TC1-P05-M5835 3500 K	A	9 W	1254	9.35	134.1	897	24	1,290	<10.0
	B	12 W	1695	12.35	137.3	1,212	33	1,740	<10.0
	C	16 W	2284	16.15	141.4	1,633	45	2,350	<10.0
	D	21 W	2990	21.28	140.5	2,138	58	3,070	<10.0
TC1-P05-M5830 3000 K	A	9 W	1210	9.35	129.3	865	24	1,240	<10.0
	B	12 W	1635	12.35	132.4	1,169	32	1,680	<10.0
	C	16 W	2203	16.15	136.4	1,576	43	2,270	<10.0
	D	21 W	2884	21.28	135.5	2,062	56	2,970	<10.0
TC1-P05-M5827 2700 K	A	9 W	1157	9.35	123.7	827	23	1,190	<10.0
	B	12 W	1564	12.35	126.7	1,118	30	1,610	<10.0
	C	16 W	2108	16.15	130.5	1,507	41	2,170	<10.0
	D	21 W	2759	21.28	129.7	1,973	54	2,840	<10.0

LIGHT DISTRIBUTION



Portal Pendant – 5.5"
Medium Beam
53% Up | 47% Dn

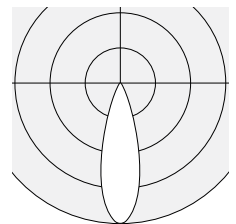
Beam Angle 47°

VERSION PERFORMANCE – NARROW BEAM

N1 – 5.5" Narrow Beam, 100 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT		
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)
TC1-P05-N1840 4000 K	A	9 W	1319	9.64	136.9	4,052	40	3,710	12.3
	B	12 W	1750	12.64	138.4	5,376	53	4,930	13.3
	C	16 W	2341	16.56	141.4	7,193	71	6,600	14.3
	D	21 W	2985	21.87	136.5	9,172	91	8,410	15.2
TC1-P05-N1835 3500 K	A	9 W	1302	9.64	135.0	3,999	40	3,670	12.3
	B	12 W	1727	12.64	136.6	5,305	53	4,860	13.3
	C	16 W	2310	16.56	139.5	7,098	70	6,510	14.3
	D	21 W	2946	21.87	134.7	9,050	90	8,300	15.1
TC1-P05-N1830 3000 K	A	9 W	1256	9.64	130.3	3,857	38	3,540	12.2
	B	12 W	1666	12.64	131.8	5,117	51	4,690	13.2
	C	16 W	2229	16.56	134.6	6,847	68	6,270	14.2
	D	21 W	2842	21.87	129.9	8,731	87	8,000	15.0
TC1-P05-N1827 2700 K	A	9 W	1201	9.64	124.6	3,690	37	3,380	12.0
	B	12 W	1593	12.64	126.1	4,895	49	4,490	13.0
	C	16 W	2132	16.56	128.7	6,550	65	6,010	14.0
	D	21 W	2719	21.87	124.3	8,352	83	7,660	14.9

LIGHT DISTRIBUTION



Portal Pendant – 5.5"
Narrow Beam
100% Dn

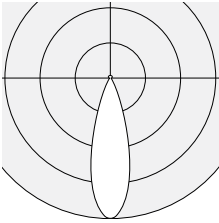
Beam Angle 31°



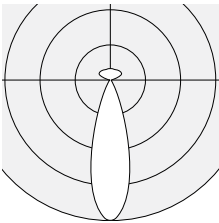
PORTAL PENDANT 5.5" (TC1-P05)

VERSION PERFORMANCE – NARROW BEAM

N2 – 5.5" Narrow Beam, 20 Up | 80 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT			LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)	
TC1-P05-N2840 4000 K	A	9 W	1280	9.35	136.9	3,066	33	1,690	<10.0	 Portal Pendant – 5.5" Narrow Beam 21% Up 79% Dn
	B	12 W	1731	12.35	140.2	4,144	44	2,290	<10.0	
	C	16 W	2332	16.15	144.4	5,584	60	3,080	<10.0	
	D	21 W	3053	21.80	140.1	7,310	78	4,030	<10.0	
TC1-P05-N2835 3500 K	A	9 W	1264	9.35	135.1	3,025	32	1,670	<10.0	
	B	12 W	1708	12.35	138.3	4,090	44	2,260	<10.0	
	C	16 W	2302	16.15	142.5	5,511	59	3,040	<10.0	
	D	21 W	3013	21.80	138.2	7,214	77	3,980	<10.0	
TC1-P05-N2830 3000 K	A	9 W	1219	9.35	130.3	2,918	31	1,610	<10.0	
	B	12 W	1648	12.35	133.4	3,945	42	2,180	<10.0	
	C	16 W	2220	16.15	137.5	5,316	57	2,930	<10.0	
	D	21 W	2907	21.80	133.3	6,959	74	3,840	<10.0	
TC1-P05-N2827 2700 K	A	9 W	1166	9.35	124.7	2,792	30	1,540	<10.0	
	B	12 W	1576	12.35	127.6	3,774	40	2,080	<10.0	
	C	16 W	2124	16.15	131.5	5,085	54	2,800	<10.0	
	D	21 W	2780	21.80	127.5	6,657	71	3,670	<10.0	

N5 – 5.5" Narrow Beam, 50 Up | 50 Dn, White Fixture, 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT			LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m²)	UGR (4H x 8H)	
TC1-P05-N5840 4000 K	A	9 W	1280	9.35	136.9	1,720	20	1,070	<10.0	 Portal Pendant – 5.5" Narrow Beam 54% Up 46% Dn
	B	12 W	1730	12.35	140.1	2,325	27	1,440	<10.0	
	C	16 W	2332	16.15	144.4	3,132	37	1,950	<10.0	
	D	21 W	3052	21.29	143.4	4,101	48	2,550	<10.0	
TC1-P05-N5835 3500 K	A	9 W	1263	9.35	135.1	1,697	20	1,050	<10.0	
	B	12 W	1708	12.35	138.3	2,294	27	1,430	<10.0	
	C	16 W	2301	16.15	142.5	3,091	36	1,920	<10.0	
	D	21 W	3012	21.29	141.4	4,047	48	2,520	<10.0	
TC1-P05-N5830 3000 K	A	9 W	1218	9.35	130.3	1,637	19	1,020	<10.0	
	B	12 W	1647	12.35	133.4	2,213	26	1,380	<10.0	
	C	16 W	2220	16.15	137.4	2,982	35	1,860	<10.0	
	D	21 W	2906	21.29	136.5	3,904	46	2,430	<10.0	
TC1-P05-N5827 2700 K	A	9 W	1166	9.35	124.6	1,566	18	980	<10.0	
	B	12 W	1576	12.35	127.6	2,117	25	1,320	<10.0	
	C	16 W	2123	16.15	131.5	2,852	34	1,780	<10.0	
	D	21 W	2779	21.29	130.6	3,734	44	2,320	<10.0	

Photometry Reports: 13694183.24 – 54

Photometry baseline established with integrating sphere and goniophotometer results from an independent accredited testing laboratory per IES LM-79, ANSI 78.377. Remaining values scaled from baseline data. Output and power may vary by up to 5%.