QuadraCel[™] **Suspended** Series 2

Catalog Number	Туре
Project Name	I





S S Driver

Housing

One-piece .070" thick extruded aluminum. Diecast aluminum end caps are secured with no visible fasteners. Standard lengths are nominal 2', 3', 4', 6', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

Optical Control

(PBXX) Snap-in baffle constructed of .030" thick aluminum with nominal 1.25" X 1.25" square cells, and includes .040" thick acrylic overlay.

Standard baffle finishes:

(PBMW) Matte White

(PBFS) Full Specular - 'Mirro'

(PBSS) Semi-Specular

Custom baffle finishes:

(PBCC) Custom Finish - Baked Powder Coat (Contact Factory)

Reflector/Heat Sink

.040" thick die-formed aluminum finished with a high reflectance white enamel.

Integral Controls

Contact factory for daylight and/or occupancy sensor controls.

Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting

Osram-Sylvania "Optotronic" power supply is UL/CUL recognized, 0-10V dimming available, 120-277 universal voltage

Contact factory for optional drivers.

Light Engine

Mid-power LED module with quad-emitter arrangement centered over each baffle cell providing optimum uniformity and performance. Available in 3000K, 3500K, and 4000K CCT, and 80 or 90 CRI. Available outputs: (Using Matte White painted baffles.)

HO - High Output

*2710 Total Del'd Lumens at 32 System Watts (Values per 4' using 4000K LED modules)

MO - Medium Output

*1660 Total Del'd Lumens at 19 System Watts (Values per 4' using 4000K LED modules)

Wirina

All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

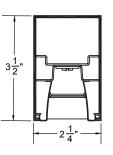
Certification

Fixtures are ETL listed for use in 'Dry or Damp Applications'. Conforms to UL Standard #1598 and to CAN/CSA Standard #C22.2No.250.0.

QS2 - Direct with Parabolic Baffle

2-1/4" X 3-1/2" Direct Suspended or Ceiling Mount - with Baffle





QS2-D-HO QS2-D-MO

Note: LED drivers are factory programmable. Custom lumen outputs are available at no additional charge. Consult factory.

*Due to continued advancement in LED technology, lumen performance is subject to change. Please visit our website for the most up-to-date information.

Sample Catalog Number: **QS2 - D** - HO - K40 - 80 4 - CN - PBMW - F01M - 120 - DIM1 - OPTIONS QS2 - D DIM1 PAL Quadracel Suspended Series 2 - Direct Lumen Output/4': HO - High Output = 2710 Total Lms. - 83 Lm/W MO - Medium Output = 1660 Total Lms. - 87 Lm/W CO - Custom Output (Contact factory for available output range) CCT: K30-3000K, K35-3500K, K40-4000K CRI: 80 (Standard), 90 (Optional) For continuous rows of 12' or longer, specify nominal row length in 1' increments. Mounting: **CN** = Cable (Non-Tbar) Fully Adjustable (36" Standard) **P** = Rigid Stem Assy (Up to 48" Standard) K = Swivel Stem Assy (Up to 48" Standard) J = Ceiling Mount Optical Control: PBXX = 1.25" X 1.25" Square-Cell Aluminum Parabolic Baffle w/Acrylic Overlay Standard Baffle Finishes: **PBMW** = Matte White **PBFS** = Full Specular - 'Mirro' Custom Baffle Finishes: PBCC = Custom Finish - Baked Powder Coat (Contact Factory) Standard Finish: F01M Matte White Premium Finishes: F01G Gloss White F06 Pebble Beach F11G Gloss Black F15 Lemon F11M Matte Black F16 Forest Hunter F07 Steel (Fixture Housing) F02 Ivory F03 Stonewash F08 Gray Seal F12 Ultrasonic Clear F20 Blue Print F13 Merlot F21 Reflex Blue F04 Camel F09 Mocha F14 Red Skies F22 Navy F05 Gray Day F10 Bronzec FCC Custom Color Voltage: 120V, 277V, 347V or UNV (Universal Voltage) Dimming: **DIM1** = Standard Driver with Available Dimming - 100% to 1% **DIM0** = Optional Driver with Available Dimming - 100% to 0% (Dark) Options: NL = Night-Light Circuit (Common Neutral) **EM** = Emergency Circuit (Separate Hot & Neutral) EB10 = Self-Testing Battery Pack (10 Watt) (*N/A for 2' or 3')

FS = Fused Drivers GTD = Generator Transfer Device



Suspended - Direct

QS2-HO-K40-PBMW

High Output - Direct

White Aluminum Snap-in Baffle w/Acrylic Overlay

Catalog Number: QS2-H0-K40-80-4'-X-PBMW-120

Report Number: #LLIA001357-005.ies

Luminaire Description: Extruded Aluminum Housing with

White Aluminum Reflector and White Baffle with Acrylic Overlay.

LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

lay-out.

Total Luminaire Efficacy = 83.4 Lm/W

0% Up 100% Down

Color Rendering Index (CRI) = 82

LEGEND:

ZONAL LUMEN SUMMARY

Zone		Lumens	%Fixture
0-	30	1166	43.0
0-	40	1676	61.8
0-	60	2405	88.7
0-	90	2710	100.0
90-	180	0	0.0
0-	180	2710	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1898	1898	1898	1898	1898
5	1861	1859	1863	1870	1873
15	1620	1617	1603	1589	1579
25	1244	1224	1184	1150	1135
35	903	856	798	768	766
45	637	581	525	510	516
55	393	363	331	316	313
65	185	182	181	178	177
75	97	94	91	91	90
85	22	22	21	21	21
90	0	0	0	0	0

	0.0	22.5	45.0	67.5	90.0
0	1898	1898	1898	1898	1898
5	1861	1859	1863	1870	1873
15	1620	1617	1603	1589	1579
25	1244	1224	1184	1150	1135
35	903	856	798	768	766
45	637	581	525	510	516
55	393	363	331	316	313
65	185	182	181	178	177
75	97	94	91	91	90
85	22	22	21	21	21
90	0	0	0	0	0

S2-M0-K40-PBMW

Medium Output - Direct

White Aluminum Snap-in Baffle w/Acrylic Overlay

Catalog Number: QS2-MO-K40-80-4'-X-PBMW-120

Report Number: #LLIA001357-002.ies

Luminaire Description: Extruded Aluminum Housing with

White Aluminum Reflector and White

Baffle with Acrylic Overlay.

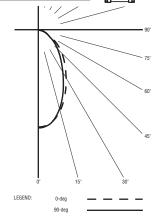
LED Module: Multiple White Low-Power Light

Emitting Diodes (LEDs) in a precise

Total Luminaire Efficacy = 87.1 Lm/W

0% Up 100% Down

Color Rendering Index (CRI) = 83



ZONAL LUMEN SUMMARY

Zon	е	Lumens	%Fixture
0-	30	714	43.0
0-	40	1026	61.8
0-	60	1473	88.8
0-	90	1660	100.0
90-	180	0	0.0
0-	180	1660	100.0

CANDELA DISTRIBUTION						
		0.0	22.5	45.0	67.5	90.0
	0	1162	1162	1162	1162	1162
	5	1139	1138	1140	1145	1146
	15	992	990	981	972	966
	25	762	750	725	704	694
	35	553	524	488	470	469
	45	390	356	322	312	316
	55	241	222	203	194	192
	65	114	111	111	109	109
	75	59	58	56	56	55
	85	14	13	13	13	13
	90	0	0	0	0	0

For more information, visit our website at www.pal-lighting.com

Contact PAL factory for photometric data using baffles other than Matte

White.



