

Project Name:

Qty:

Type:

Product Number:

FEATURES

- ▶ Low-glare parabolic baffle.
- ▶ Custom finishes available.
- ▶ Custom joiners for unique designs.
- ▶ Indirect/direct available.

SPECIFICATIONS

Lumens:	CCT:	CRI:	Voltage:	Efficacy:
Medium 400 Lm/ft	Standard: 3000K	90	Standard: 120 - 277V AC	83 Lm/W - 110 Lm/W (depending on options and finishes)
High 650 Lm/ft	3500K	80	Optional: 347V AC	
(Custom lumen outputs available upon request)*				

Electrical:	Dimming:	Lifespan:	Finish:
4 - 8 W/ft PF > 0.9 THD < 9.8%	Standard: 0-10V 1% Optional:* 0-10V 10% 0-10V 5% Dim to O Step Dimming	Standard: L70 > 100,000 hr. @ 25° C	Standard: Matte / Gloss White / Black (Custom finish upon request)*

Optics:	Operating temp:
Direct Standard: Medium beam angle - flat, light frosted PC lens with aluminum baffle.	-25°C to 35°C (-13°F to 95°F)
Indirect Standard: Medium beam angle - flat, frosted PC lens.	
Indirect Widespread: Widespread optics with or without dust-cover diffuser.	

Housing:	Baffle:	Warranty:	Certification:
Extruded aluminum with powder coated finish.	Snap-in baffle - 0.03" thick aluminum with 1.25" x 1.25" square cells.	Standard: 10 Year limited warranty.	ETL listed for dry or damp locations. UL listed.

DISTRIBUTION OPTIONS

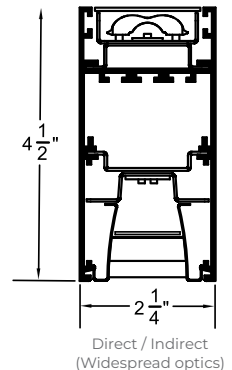
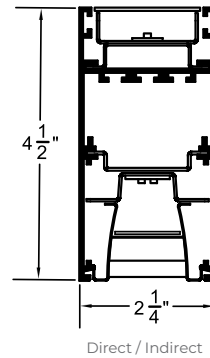
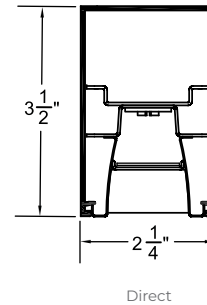


Direct



Indirect/Direct

CROSS SECTIONS



FORM / JOINER QUICK VIEW

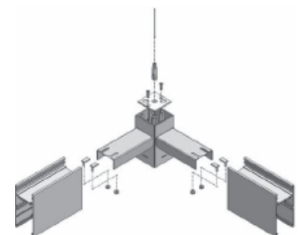


90° joiners

"L" / "T" / "X"

2.25" square - non-illuminated.

Height matches direct or indirect/direct linear.



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ORDERING GUIDE

ORDERING EXAMPLE:

QS2-I/D MO MO K40 90 8 CN FDC PBSS FI1M UNV DIMO

1: FORM

2: OUTPUT

3: LENGTH

SERIES	LUMENS (Indirect)*	LUMENS (Direct)*	COLOR TEMPERATURE	COLOR RENDERING	FIXTURE LENGTH
QS2-D Quadracel LED Linear - 2" Direct only	HO High Output 650 Lm/ft	HO High Output 650 Lm/ft	K30 3000 Kelvin	80 80 CRI	<input type="text"/> Custom length*
QS2-I/D Quadracel LED Linear - 2" Indirect and Direct	MO Medium Output 400 Lm/ft	MO Medium Output* 400 Lm/ft	K35 3500 Kelvin	90 90 CRI	
	** Custom Output	** Custom Output	K40 4000 Kelvin		

* Only Direct / Indirect will require both part numbers.

For custom outputs enter requested Lm/Ft)

Custom ex. **700 / 500** would be 700 Lm/ft indirect and 500 Lm/ft direct.

*Enter requested length as single value.

Lengths start at 2' and are based on 1' nominal increments.

Ex. 8 = 8'

4: MOUNTING

5: OPTICS

6: FINISH

7: ELECTRICAL

MOUNTING*	INDIRECT LENS*	DIRECT BAFFLE	HOUSING FINISH	VOLTAGE	DRIVER
CN Screw-in clutch, aircraft cable 36" standard. Non-TBar	FDC Frosted polycarbonate.	PBMW Parabolic baffle, matte white.	F01M WHITE - MATTE	UNV 120 - 277VAC	DIM1 0-10V 1%
P Pendant / stem, rigid system. Up to 48" standard.	WSOP Wide-spread - open top.	PBFS Parabolic baffle, full specular - "Mirro".	FI1M BLACK - MATTE	120 120VAC	DIM0 0-10V 0%
K Pendant / stem, swivel system. Up to 48" standard.	WSDC Wide-spread - clear polycarbonate dust cover.	PBSS Parabolic baffle, semi specular.	F01G WHITE - GLOSS	277 277VAC	DIM5 0-10V 5%
*Additional mounting options available - see separate spec on www.pal-lighting.com	* Only Direct / Indirect will require this part number.	PBCC Parabolic baffle, custom powder coat.	FI1G BLACK - GLOSS	347 347VAC	DIM10 0-10V 10%
			F12 Ultrasonic Clear - Aluminum semi-gloss.		SD Step-Dimming
			FXX Reference additional color codes on page 4.		
			Custom Color Enter RAL # <input type="text"/>		

8: EMERGENCY BACKUP & CONTROLS

SENSOR OPTIONS	EMERGENCY OPTIONS	CONTROLS
OCC Occupancy/Motion Sensor (Integral Mount)	EBPH Emergency Battery Pack (self-testing)	0-10V 0-10V dimming
DS Daylight/Photocell Sensor (Integral Mount)		CASAMBI Wireless controls with Casambi

JOINERS



L Corners	JOINER FINISH
QS2 D L90 "L" joiner - direct linear height, 90° angle	FXX Reference additional color codes on page 4.
QS2 I/D L90 "L" joiner - indirect/direct linear height, 90° angle	Custom Color Enter RAL # <input type="text"/>



T Corners	JOINER FINISH
QS2 D T "L" joiner - direct linear height, 90° angle	FXX Reference additional color codes on page 4.
QS2 I/D T "L" joiner - indirect/direct linear height, 90° angle	Custom Color Enter RAL # <input type="text"/>



X Corners	JOINER FINISH
QS2 D X "L" joiner - direct linear height, 90° angle	FXX Reference additional color codes on page 4.
QS2 I/D X "L" joiner - indirect/direct linear height, 90° angle	Custom Color Enter RAL # <input type="text"/>



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PHOTOMETRY

High Output - Direct

White Aluminum Snap-in Baffle w/Acrylic Overlay

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

Report Number: #LLIA001357-005.ies

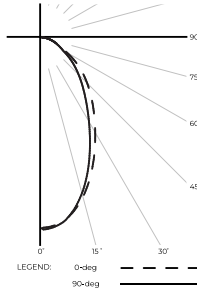
Description: Extruded Aluminum Housing with White Aluminum Reflector and White Baffle with Acrylic Overlay.

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



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

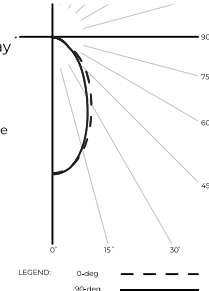
Description: Extruded Aluminum Housing with White Aluminum Reflector and White Baffle with Acrylic Overlay.

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 87.1 Lm/W

0% Up 100% Down

Color Rendering Index (CRI) = 83



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

ZONAL LUMEN SUMMARY

Zone	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

Indirect/Direct - High Output Up & Down

Frosted Dust Cover Up/Parabolic Baffle & Overlay Down

Catalog Number: QS2-I/D-HO/HO-K40-80-4'-X-FDC/PBMW-120

Report Number: #LLIA001418-003.ies

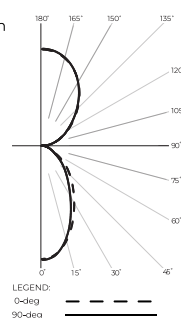
Luminaire Description: Extruded Aluminum Housing with White Alum. Reflectors, Frosted Dust Cover Up and Parabolic Baffle Down

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 107.1 Lm/W

Color Rendering Index (CRI) = 83

58 % Up 42 % Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	1169	18.2
0- 40	1682	26.2
0- 60	2408	37.5
0- 90	2712	42.3
90- 120	689	10.7
90- 130	1206	18.8
90- 150	2513	39.2
90- 180	3702	57.7
0- 180	6414	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1903	1903	1903	1903	1903
5	1866	1865	1868	1874	1880
15	1255	1232	1186	1145	1142
25	639	583	525	507	517
35	185	181	179	177	177
45	85	22	22	22	22
55	2	2	3	4	4
65	69	71	71	70	69
75	385	388	384	382	376
85	824	824	817	810	804
95	1331	1331	1330	1333	1331
105	1599	1598	1603	1611	1612
115	1616	1616	1616	1616	1616

Indirect/Direct - High Output Up & Down

Wide-Spread Dist. -Open Up/Parabolic Baffle & Overlay Down

Catalog Number: QS2-I/D-HO/HO-K40-80-4'-X-WSP/PBMW-120

Report Number: #LLIA001418-001.ies

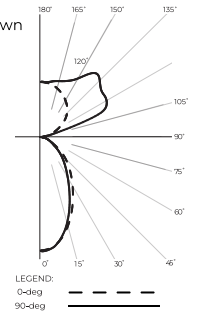
Luminaire Description: Extruded Aluminum Housing with White Alum. Reflectors, Acrylic W.S. Insert Up, and Parabolic Baffle Down

LED Module: Multiple White Low-Power Light Emitting Diodes (LEDs) in a precise lay-out.

Total Luminaire Efficacy = 111.4 Lm/W

Color Rendering Index (CRI) = 83

60 % Up 40 % Down



ZONAL LUMEN SUMMARY

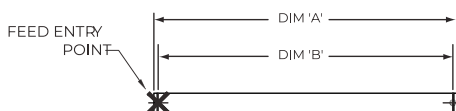
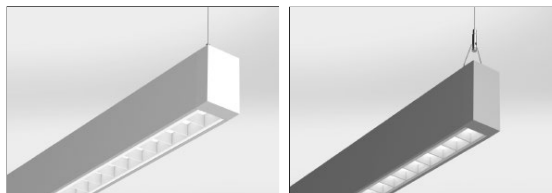
Zone	Lumens	%Fixture
0- 30	1163	17.4
0- 40	1672	25.0
0- 60	2391	35.8
0- 90	2693	40.3
90- 120	1102	16.6
90- 130	1861	28.0
90- 150	3210	48.2
90- 180	3982	59.7
0- 180	6675	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1897	1897	1897	1897	1897
5	1860	1859	1862	1868	1868
15	1248	1225	1179	1141	1135
25	634	578	520	502	514
35	183	179	177	175	175
45	22	22	22	22	23
55	2	3	3	3	4
65	28	44	48	48	45
75	303	359	605	1123	1200
85	623	686	934	1287	1380
95	809	834	920	996	1032
105	912	911	912	918	919
115	919	919	919	919	919

STANDARD LINEAR LENGTHS AND MOUNTING CENTERS

Suspended - Cable Mounting



DIRECT FIXTURES

NOM. FIXTURE LENGTH	O.A. FIXTURE LENGTH	MOUNTING CENTERS
	DIM 'A'	DIM 'B'
24"	24 13/16"	22 1/16"
36"	36 13/16"	34 1/16"
48"	48 13/16"	46 1/16"
72"	71 5/8"	68 7/8"
96"	95 5/8"	92 7/8"
144"	142 7/16"	139 11/16"

INDIRECT/DIRECT FIXTURES

NOM. FIXTURE LENGTH	O.A. FIXTURE LENGTH	MOUNTING CENTERS
	DIM 'A'	DIM 'B'
24"	24 13/16"	21 9/16"
36"	36 13/16"	33 9/16"
48"	48 13/16"	45 9/16"
72"	71 5/8"	68 3/8"
96"	95 5/8"	92 3/8"
144"	142 7/16"	139 3/16"

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ADDITIONAL FINISHES

F01M
WHITE - MATTE
F01G
WHITE - GLOSS
F11M
BLACK - MATTE
F11G
BLACK - GLOSS

F10
BRONZE
F12
ULTRASONIC CLEAR
F02
IVORY
F03
STONE WASH

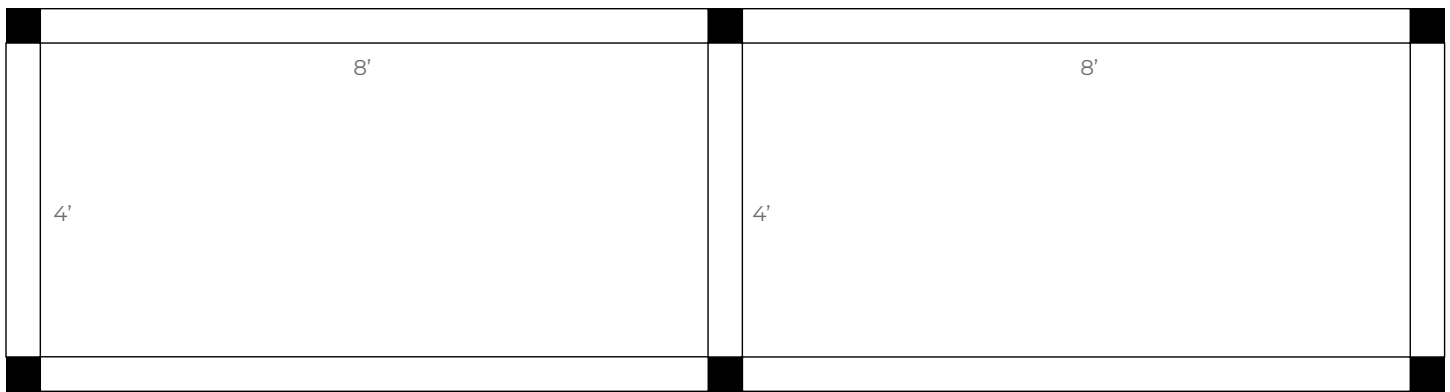
F05
GRAY DAY
F07
STEEL
F08
GRAY SEAL
F09
MOCHA

F04
CAMEL
F06
PEBBLE BEACH
F14
RED SKIES
F15
LEMON

F16
FOREST HUNTER
F20
BLUE PRINT
F21
REFLEX BLUE
F22
NAVY

BOM EXAMPLE

Example 1



Example 1 BOM	
Qty.	Product Number
4	QS2-D HO K35 90 8 CN PBSS F11M UNV DIM0
3	QS2-D HO K35 90 4 CN PBSS F11M UNV DIM0
4	QS2 D L90 F11M
2	QS2 D T F11M