

Project Name:

Qty:

Type:

Product Number:

FEATURES

- ▶ Low-glare parabolic baffle.
- ▶ Custom finishes available.
- ▶ Slim profile - ADA compliant.
- ▶ 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 4000K	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.	Indirect Asymmetric: Asymmetric optics - with or without flat, frosted PC lens.
	-25°C to 35°C (-13°F to 95°F)

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. ADA compliant.

DISTRIBUTION OPTIONS

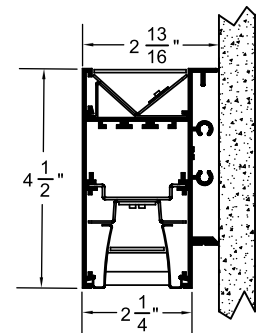
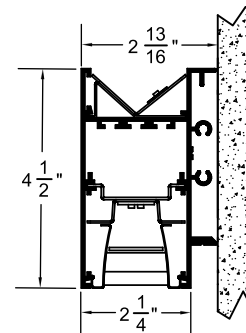
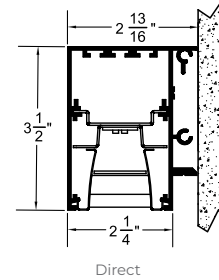


Direct



Indirect/Direct

CROSS SECTIONS



*Custom options may affect pricing and advanced lead times. Contact your local PAL Lighting rep for full information.



ORDERING GUIDE

QuadraCel SERIES - Wall mount

Project Name:

Qty: Type:

Product Number:

ORDERING EXAMPLE:

QP2-D HO K40 90 12 W PBSS F11M UNV DIM10

1: FORM

2: OUTPUT

3: LENGTH

SERIES	LUMENS (Indirect)*	LUMENS (Direct)*	COLOR TEMPERATURE	COLOR RENDERING	FIXTURE LENGTH
QP2-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	 Custom length*
QP2-IASY/D Quadracel LED Linear - 2" Indirect asymmetric 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
W Wall mounted - bracket.	OP Open top - asymmetric	PBMW Parabolic baffle, matte white.	F01M WHITE - MATTE	UNV 120 - 277VAC	DIM1 0-10V 1%
*Additional mounting options available - see separate spec on www.pal-lighting.com	FDC Frosted PC lens - asymmetric	PBFS Parabolic baffle, full specular - "Mirro".	F11M BLACK - MATTE	120 120VAC	DIM0 0-10V 0%
	* Only Direct / Indirect will require this part number.	PBSS Parabolic baffle, semi specular .	F01G WHITE - GLOSS	277 277VAC	DIM5 0-10V 5%
		PBCC Parabolic baffle, custom powder coat.	F11G BLACK - GLOSS	347 347VAC	DIM10 0-10V 10%
			F12 Ultrasonic Clear - Aluminum semi-gloss.		SD Step-Dimming
			FX Reference additional color codes on page 4.		
			Custom Color Enter RAL #		

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



Project Name:

Qty:

Type:

Product Number:

PHOTOMETRY

High Output - Direct

White Aluminum Snap-in Baffle w/Acrylic Overlay

Catalog Number: QP2-HO-K40-80-4'-X-PBMW-120

Report Number: #LLIA001357-005.ies

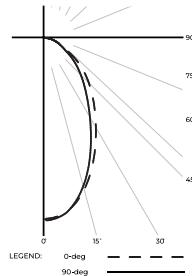
Description: Extruded Aluminum Housing with White Aluminum Reflector and White Baffle with Acrylic Overlay.

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



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

Medium Output - Direct

White Aluminum Snap-in Baffle w/Acrylic Overlay

Catalog Number: QP2-MO-K40-80-4'-X-PBMW-120

Report Number: #LLIA001357-002.ies

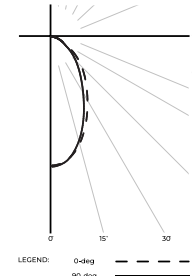
Description: Extruded Aluminum Housing with White Aluminum Reflector and White Baffle with Acrylic Overlay.

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	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-Asym./Direct - High Output Up & Down

Open Aperture Up/Parabolic Baffle & Overlay Down

Catalog Number: QP2-IASY/D-HO/HO-K40-80-4'-W-OP/PBMW-120

Report Number: #LLIA001418-005.ies

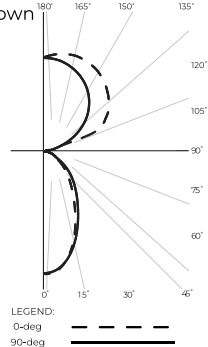
Luminaire Description: Extruded Aluminum Housing with White Alum. Reflectors, Open Top and Parabolic Baffle Down

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

Total Luminaire Efficacy = 112.5 Lm/W

Color Rendering Index (CRI) = 83

60 % Up 40 % Down



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0- 30	1178	17.5
0- 40	1686	25.1
0- 60	2406	35.8
0- 90	2709	40.3
90- 120	741	11.0
90- 130	1405	20.9
90- 150	2864	42.6
90- 180	4005	59.7
0- 180	6714	100.0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1927	1927	1927	1927	1927
5	1904	1901	1895	1890	1890
15	1156	1167	1204	1236	1248
25	513	505	522	578	631
35	178	178	180	183	186
45	20	21	21	21	21
55	1	1	1	1	1
65	7	6	7	7	17
75	1019	962	816	662	476
85	1389	1355	1267	1158	993
90	1564	1552	1491	1411	1319
95	1524	1518	1501	1481	1464
100	1474	1474	1474	1474	1474

Indirect-Asym./Direct - Medium Output Up & Down

Open Aperture Up/Parabolic Baffle & Overlay Down

Catalog Number: QP2-IASY/D-MO/MO-K40-80-4'-W-OP/PBMW-120

Report Number: #LLIA001418-006.ies

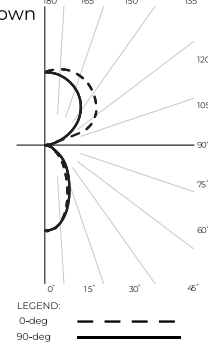
Luminaire Description: Extruded Aluminum Housing with White Alum. Reflectors, Open Top Up and Parabolic Baffle Down

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

Total Luminaire Efficacy = 118.7 Lm/W

Color Rendering Index (CRI) = 83

62 % Up 38 % Down



ZONAL LUMEN SUMMARY

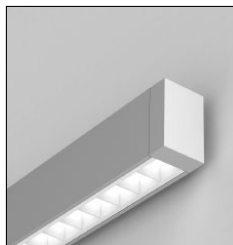
Zone	Lumens	%Fixture
0- 30	724	16.4
0- 40	1036	23.5
0- 60	1478	33.5
0- 90	1666	37.8
90- 120	508	11.5
90- 130	963	21.8
90- 150	1965	44.5
90- 180	2747	62.2
0- 180	4413	100.0

CANDELA DISTRIBUTION

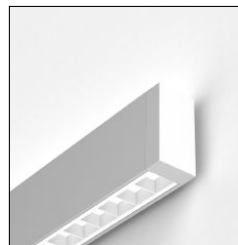
	0.0	22.5	45.0	67.5	90.0
0	1184	1184	1184	1184	1184
5	1168	1167	1164	1161	1161
15	706	713	736	757	767
25	313	309	319	354	387
35	109	109	110	112	114
45	12	13	13	13	14
55	1	1	2	1	1
65	5	5	4	5	11
75	698	658	558	453	327
85	953	929	869	795	682
90	1074	1065	1023	969	905
95	1046	1042	1030	1017	1005
100	1011	1011	1011	1011	1011

STANDARD LINEAR LENGTHS AND MOUNTING CENTERS

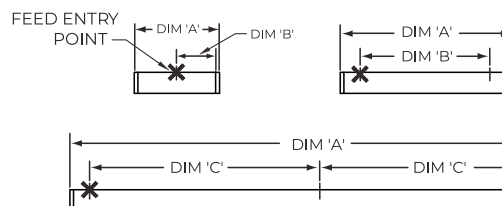
Wall Mounting



DIRECT



INDIRECT/DIRECT



NOM. FIXTURE LENGTH	O.A. FIXTURE LENGTH	MOUNTING CENTERS	MOUNTING CENTERS
	DIM 'A'	DIM 'B'	DIM 'C'
24"	24 13/16"	11 13/32"	-----
36"	36 13/16"	22 13/16"	-----
48"	48 13/16"	34 13/16"	-----
72"	71 5/8"	57 5/8"	-----
96"	95 5/8"	81 5/8"	-----
144"	142 7/16"	-----	64 7/32"

Project Name:

Qty:

Type:

Product Number:

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

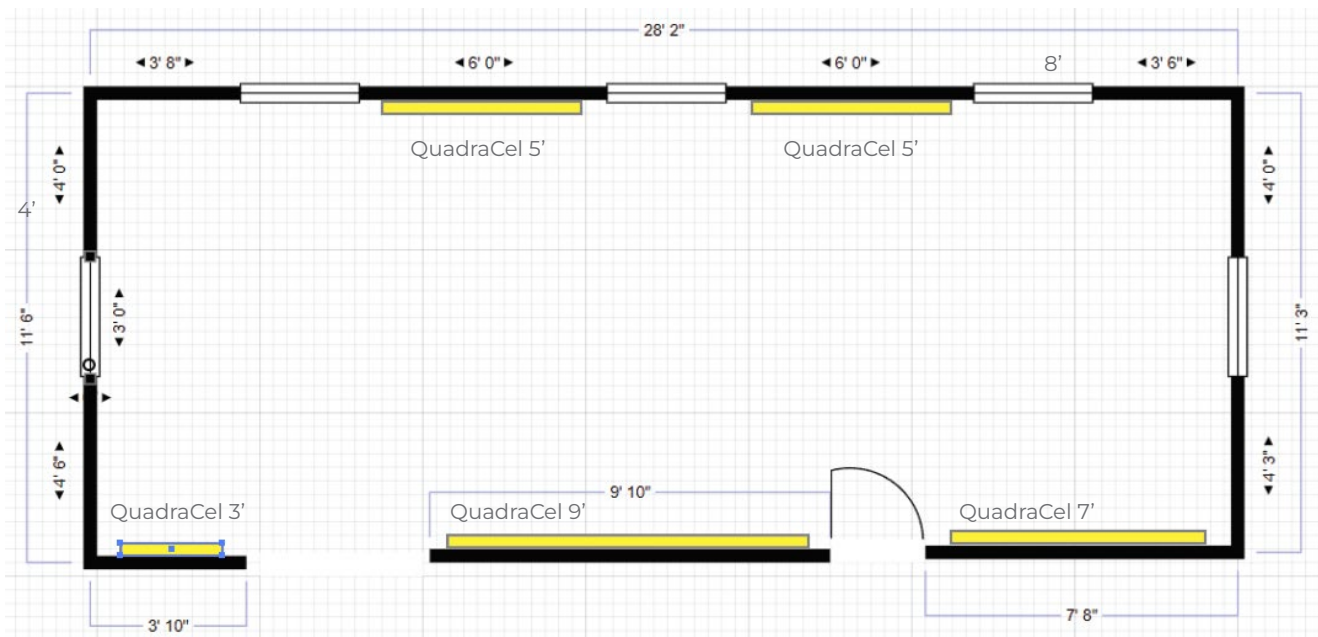
F20
BLUE PRINT

F21
REFLEX BLUE

F22
NAVY

BOM EXAMPLE

Example 1



Example 1 BOM	
Qty.	Product Number
2	QP2-IASY/D MO MO K35 90 5 W FDC PBSS F11M UNV DIM0
1	QP2-IASY/D MO MO K35 90 3 W FDC PBSS F11M UNV DIM0
1	QP2-IASY/D MO MO K35 90 9 W FDC PBSS F11M UNV DIM0
1	QP2-IASY/D MO MO K35 90 7 W FDC PBSS F11M UNV DIM0