



ø 30  
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## Framer

NEW



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page 626



ø 116  
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ø 119  
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ø 137  
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ø 153  
page 620

### Pole system

ø83 / ø119 / ø137 / ø153 ø116 floodlights and the ø116 framer can be installed on poles (MultiPalco InOut system on page 512) and walls using the special accessory.



# Palco InOut

∅ 30 / ∅ 49 / ∅ 83

design Artec3 Studio



∅ 30



∅ 49



∅ 83



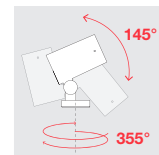
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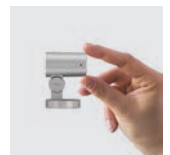
- Floodlight luminaire intended for use with LED light sources.
- Installation on floors, walls, ceilings and the ground (using a spike).
- Comprising an optic compartment and power strip in die-cast aluminium and transparent, hardened sodium-calcium safety glass.
- Optical compartment with horizontal adjustment (+ 95° / -50). for ∅ 30 / ∅ 49
- Optical compartment with horizontal adjustment (+ 95° / -50). for ∅ 83

- Graduated scale and mechanical aiming lock.
- A2 stainless steel cable gland complete with output power supply cable. The cable is provided with IP68 anti-transpiration device.
- Low-voltage safe power supply with constant current.
- Electronic power supply unit to be ordered separately.
- LED circuit fitted with polarity inversion protection system.
- IP66
- Opti Beam Lens and Opti Beam Reflector optics.

- Optical accessories with external mounting using an accessory support frame.
- Secured using a 360° swivel base strip
- All external screws used are in A2 stainless steel.
- Insulation class III.

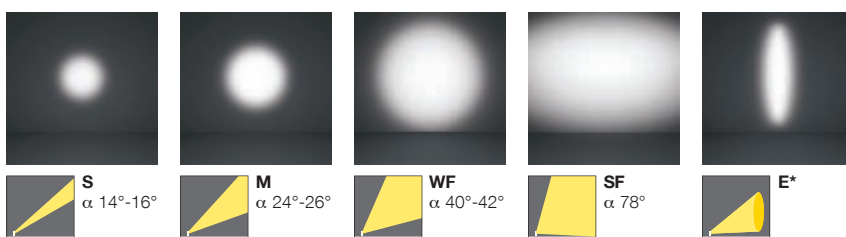


Dual rotation



Compact dimensions

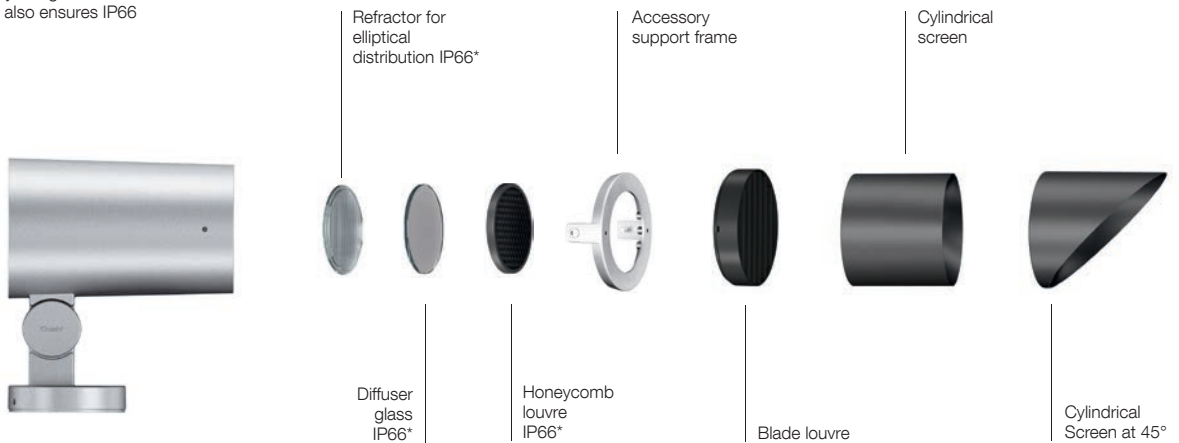
## Optics



\* Elliptical optics are obtained by installing the specific accessory.

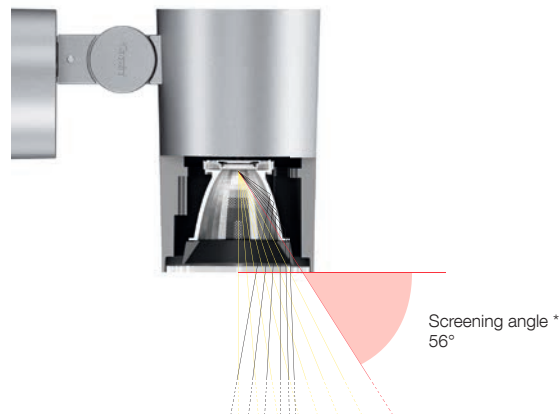
The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects.

\*Installation is possible by using an accessory frame, which also ensures IP66 compatibility

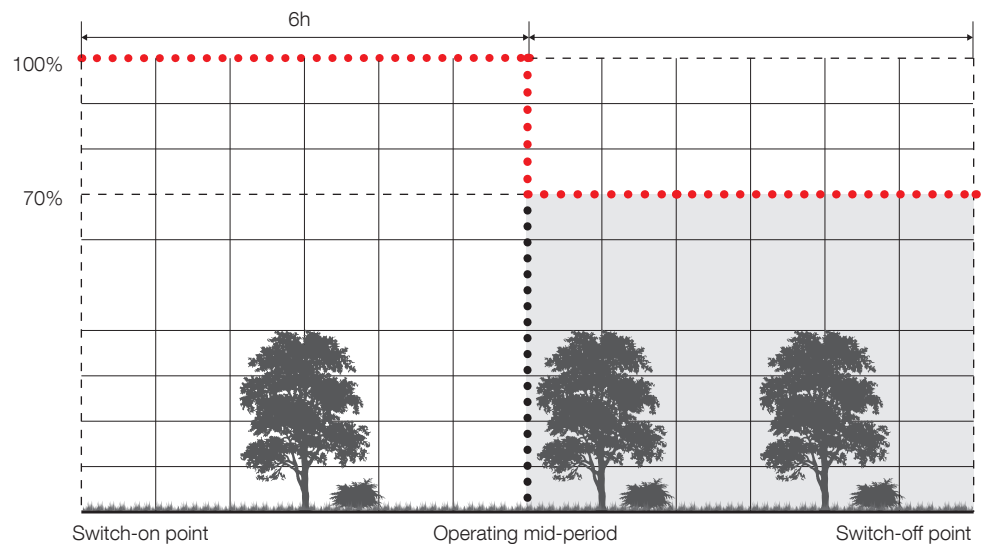


### Visual Comfort

Comfort increases the more the LED source of light is hidden from view. Our floodlights have a very high screening angle\* to ensure visual comfort in space, whatever their orientation.



The smart self-learning system fitted in the power supply uses an algorithm to recognise the mid point of the operation time, thus allowing for reducing the power and consequently the consumption of the luminaire according to the pre-set profile. The same power supply also provides DALI and bi-power operation.



# Palco InOut

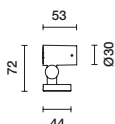
∅ 30 / ∅ 49 / ∅ 83



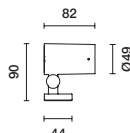
01  
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15  
GREY

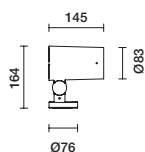
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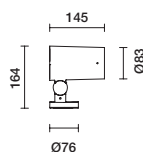
source		system				optic	code colour
W	lm	W	lm				
<b>LED</b>							
4000K - CRI 80							
2,5W	290	2,5W	168	14°		<b>Q684</b>	01-15
2,5W	290	2,5W	183	24°		<b>Q687</b>	01-15
3000K - CRI 80							
2,5W	260	2,5W	151	14°		<b>Q683</b>	01-15
2,5W	260	2,5W	164	24°		<b>Q686</b>	01-15
2700K - CRI 80							
2,5W	250	2,5W	145	14°		<b>Q682</b>	01-15
2,5W	250	2,5W	158	24°		<b>Q685</b>	01-15
Opti Beam Lens Class of Insulation III Power supply to be ordered separately These codes can be used at a maximum environment temperature of 50°C							



source		system				optic	code colour
W	lm	W	lm				
<b>LED</b>							
4000K - CRI 80							
6,1W	710	6,1W	497	16°		<b>Q690</b>	01-15
6,1W	710	6,1W	490	24°		<b>Q693</b>	01-15
6,1W	710	6,1W	391	42°		<b>Q696</b>	01-15
3000K - CRI 80							
6,1W	660	6,1W	462	16°		<b>Q689</b>	01-15
6,1W	660	6,1W	455	24°		<b>Q692</b>	01-15
6,1W	660	6,1W	363	42°		<b>Q695</b>	01-15
2700K - CRI 80							
6,1W	710	6,1W	497	16°		<b>Q688</b>	01-15
6,1W	710	6,1W	490	24°		<b>Q691</b>	01-15
6,1W	710	6,1W	391	42°		<b>Q694</b>	01-15
Q688, Q689, Q690, Q691, Q692, Q693: Opti Beam Lens Q694, Q695, Q696: Opti Beam Reflector Class of Insulation III Power supply to be ordered separately These codes can be used at a maximum environment temperature of 50°C							










source		system				optic	code colour
W	lm	W	lm				
<b>LED</b>							
4000K - CRI 80							
12W	1750	12W	1208	16°		<b>Q699</b>	01-15
12W	1750	12W	1278	26°		<b>Q702</b>	01-15
12W	1750	12W	1383	40°		<b>Q705</b>	01-15
12W	1750	12W	1470	78°		<b>Q708</b>	01-15
3000K - CRI 80							
12W	1700	12W	1173	16°		<b>Q698</b>	01-15
12W	1700	12W	1241	26°		<b>Q701</b>	01-15
12W	1700	12W	1343	40°		<b>Q704</b>	01-15
12W	1700	12W	1428	78°		<b>Q707</b>	01-15
2700K - CRI 80							
12W	1650	12W	1139	16°		<b>Q697</b>	01-15
12W	1650	12W	1205	26°		<b>Q700</b>	01-15
12W	1650	12W	1304	40°		<b>Q703</b>	01-15
12W	1650	12W	1386	78°		<b>Q706</b>	01-15
Opti Beam Reflector Class of Insulation III Power supply to be ordered separately These codes can be used at a maximum environment temperature of 50°C							



source		system				optic	code colour
W	lm	W	lm				
<b>LED</b>							
4000K - CRI 80							
16W	2250	16W	1553	16°		<b>Q711</b>	01-15
16W	2250	16W	1643	26°		<b>Q714</b>	01-15
16W	2250	16W	1778	40°		<b>Q717</b>	01-15
16W	2250	16W	1890	78°		<b>Q720</b>	01-15
3000K - CRI 80							
16W	2200	16W	1518	16°		<b>Q710</b>	01-15
16W	2200	16W	1606	26°		<b>Q713</b>	01-15
16W	2200	16W	1738	40°		<b>Q716</b>	01-15
16W	2150	16W	1806	78°		<b>Q719</b>	01-15
2700K - CRI 80							
16W	2100	16W	1449	16°		<b>Q709</b>	01-15
16W	2100	16W	1533	26°		<b>Q712</b>	01-15
16W	2100	16W	1659	40°		<b>Q715</b>	01-15
16W	2100	16W	1764	78°		<b>Q718</b>	01-15
Opti Beam Reflector Class of Insulation III Power supply to be ordered separately These codes can be used at a maximum environment temperature of 35°C							

Class III product performances are assured only when using the electronic power supplies and drivers indicated in the catalogue.



**Optical accessories**

	code	colour	code	colour	code	colour
 Accessory support frame						
To be used for the installation of accessories	<b>X243</b>	01-15	<b>X244</b>	01-15	<b>X245</b>	01-15
 Honeycomb louvre						
IP66	<b>X255</b>	04	<b>X256</b>	04	<b>X257</b>	04
 Blade louvre	---	---	---	---	<b>X267</b>	04
 diffuser glass						
IP66	<b>X263</b>	65	<b>X264</b>	65	<b>X265</b>	65
 Refractor for elliptical distribution						
IP66	<b>X259</b>	24	<b>X260</b>	24	<b>X261</b>	24
 45° cylindrical screen	<b>X251</b>	04	<b>X252</b>	04	<b>X253</b>	04
 Cylindrical screen	<b>X247</b>	04	<b>X248</b>	04	<b>X249</b>	04

**Control gear**

	code	colour	code	colour	code	colour
 IP68 box for multiple connections						
dim. 135x82x70h	<b>B915</b>	04	<b>B915</b>	04	---	---
 Junction box with rapid connectors						
Suitable for 2x4 mm <sup>2</sup> cables	<b>BZK7</b>	15	<b>BZK7</b>	15	<b>BZK7</b>	15
 IP67 box for power supply						
dim. 140x230x95h (6PG)	<b>9582</b>	00	<b>9582</b>	00	<b>9582</b>	00
dim. 280x190x130h (10PG)	<b>BZ33</b>	00	<b>BZ33</b>	00	<b>BZ33</b>	00
 IP68 connector 5-pole	<b>BZS6</b>	04	<b>BZS6</b>	04	---	---
 2-way connector with 2 pole terminal	<b>BZH0</b>	00	<b>BZH0</b>	00	<b>BZH0</b>	00
 2-way junction connector - IP68	<b>X188</b>	00	<b>X188</b>	00	<b>X188</b>	00
 4-way junction connector - IP68	<b>X189</b>	00	<b>X189</b>	00	<b>X189</b>	00
 Sealed connector kit IP68	<b>9581</b>	04	<b>9581</b>	04	---	---









**Mounting accessories**

	code	colour	code	colour	code	colour
 Spike for ground / garden application	<b>X270</b>	00	<b>X270</b>	00	<b>X271</b>	00
 Spike for ground / garden application with driver	<b>X323</b>	04	<b>X323</b>	04	---	---

# Palco InOut

∅ 30 / ∅ 49 / ∅ 83



Power supply	code	colour	code	colour	code	colour
 Power supply On-Off IP20 20W	<b>MZ78</b>	00	<b>MZ79</b>	00	<b>X327</b>	00 for Ta35° <b>X326</b> 00 for Ta50°
 DALI power supply unit 18W	---	---	---	---	<b>X325</b>	00
38W	---	---	<b>X300</b>	00	---	---
60W	<b>X301</b>	00	---	---	---	---
 Constant current power supply unit DALI IP20 15W VIN = 220-240VAC 50/60Hz Iout = 550mA dimensions: 119x53x30	---	---	<b>X281</b>	00	---	---
VIN = 220-240VAC 50/60Hz Iout = 850mA dimensions: 119x53x30	<b>X278</b>	00	---	---	---	---
VIN = 220-240VAC 50/60Hz Iout = 350mA dimensions: 122x38x28	---	---	---	---	<b>X286</b>	00 for Ta50°
 Constant current power supply unit DALI with outgoing cables IP68 25W VIN = 110-240VAC 50/60Hz Iout = 350mA dim. 180x90x68	---	---	---	---	<b>X213</b>	00
 Constant current power supply DALI/Step-dim/ Middle of the night profile IP20 60W VIN = 220-240VAC 50/60Hz dimensions: 133x76x39	<b>X277</b>	00 Iout = 350mA for Ta35°C	<b>X280</b>	00 Iout = 550mA for Ta35°C	<b>X285</b>	00 Iout = 470mA for Ta35°C
 Constant current power supply unit DALI/Step-Dim/ Middle of the night profile IP20 40W VIN = 120-277VAC 50/60Hz dimensions: 133x76x39	<b>X276</b>	00 Iout = 850mA for Ta50°C	<b>X279</b>	00 Iout = 550mA for Ta50°C	---	---
 Constant current power supply unit DALI/Step-Dim/ Middle of the night profile IP20 40W VIN = 120-277VAC 50/60Hz dimensions: 123x79x33	---	---	---	---	<b>X210</b>	00 Iout = 350mA for Ta35° <b>X284</b> 00 Iout = 470mA for Ta50°C
 Dimmable electronic power supply unit DALI/Step-Dim/ Middle of the night profile IP20 60W VIN = 220-240VAC 50/60Hz Iout = 350mA dimensions: 123x79x33	---	---	---	---	<b>X211</b>	00 for Ta50°C





# Palco InOut

∅ 83 / ∅ 119 / ∅ 137 / ∅ 153

design Artec3 Studio



∅ 83



∅ 119



∅ 137



∅ 153



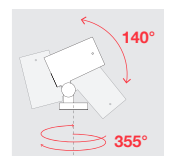
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- Floodlight luminaire intended for use with LED light sources.
- Floor, wall and ceiling installation.
- Comprising an optic compartment and power strip in die-cast aluminium and transparent, hardened sodium-calcium safety glass.
- Optical compartment with horizontal adjustment (+ 90° / -50°).
- Graduated scale and mechanical aiming lock.

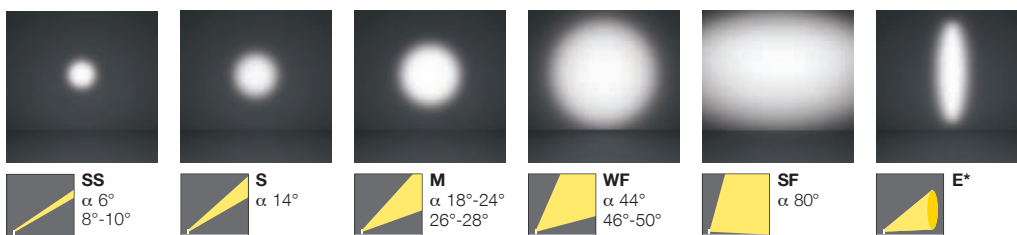
- Dual A2 stainless steel cable gland complete with output power supply cable. The cable is provided with IP68 anti-transpiration device.
- Luminaire ready for pass-through wiring.
- Product with built-in DALI power supply unit.
- Opti Beam Lens and Opti Beam Reflector optics.

- Optical accessories with external mounting using an accessory support frame.
- Secured using a 360° swivel base strip
- Insulation class II.
- IP66
- All external screws used are in A2 stainless steel.



Dual rotation

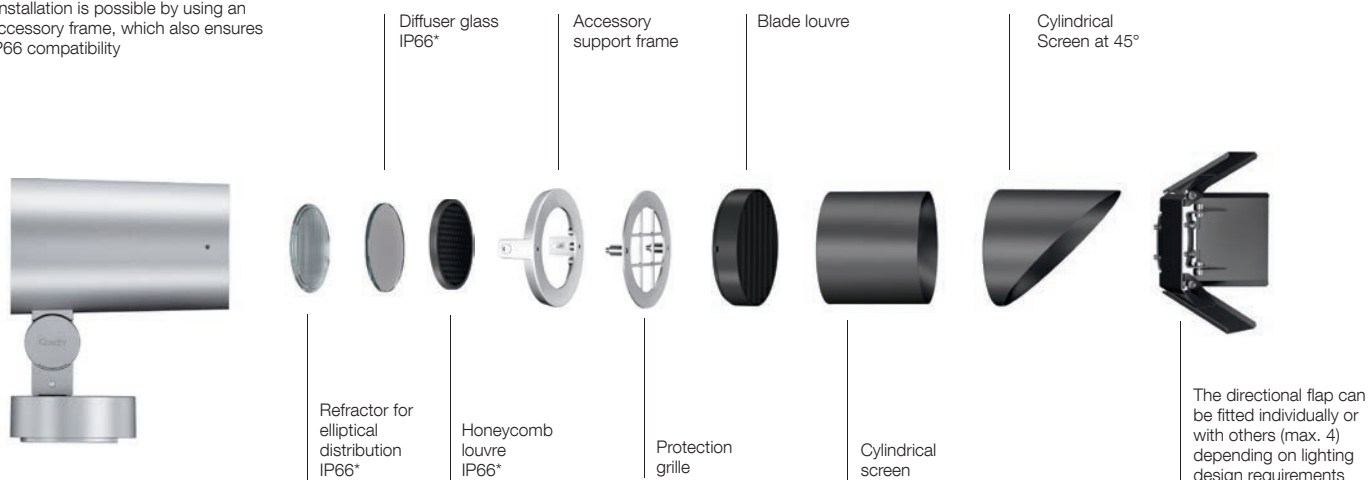
## Optics



\* Elliptical optics are obtained by installing the specific accessory.

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects.

\*Installation is possible by using an accessory frame, which also ensures IP66 compatibility



### Palco InOut System

This range of floodlights can be installed on walls and poles (page 512)



# Palco InOut

∅ 83 / ∅ 119 / ∅ 137 / ∅ 153



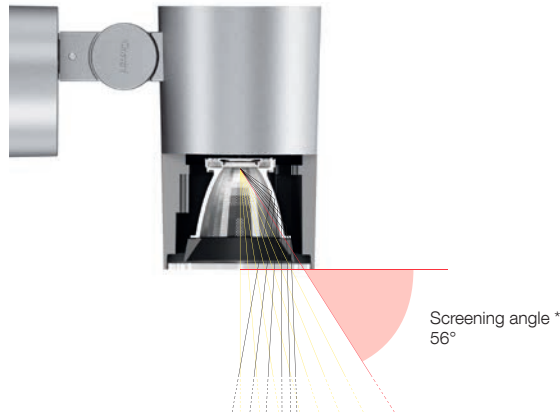
01  
WHITE



15  
GREY

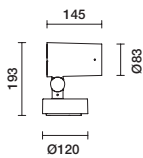
## Visual comfort

Comfort increases the more the LED source of light is hidden from view. Our floodlights have a very high screening angle\* to ensure visual comfort in space, whatever their orientation.



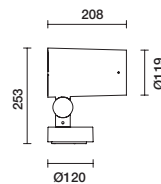
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**new**  
Available from March



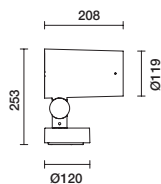
source		system		optic	code colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - On/off					
9,1W	990	10,9W	743	8°	<b>EH89</b> 01-15
9,1W	990	10,9W	733	26°	<b>EH92</b> 01-15
9,1W	980	9,1W	686	50°	<b>EH95</b> 01-15
9,1W	995	11,4W	795	80°	<b>EH98</b> 01-15
3000K - CRI 80 - On/off					
9,1W	910	10,9W	683	8°	<b>EH88</b> 01-15
9,1W	910	10,9W	673	26°	<b>EH91</b> 01-15
9,1W	900	10,9W	630	50°	<b>EH94</b> 01-15
9,1W	863	11,4W	690	80°	<b>EH97</b> 01-15
2700K - CRI 80 - On/off					
9,1W	990	10,9W	743	8°	<b>EH87</b> 01-15
9,1W	990	10,9W	733	26°	<b>EH90</b> 01-15
9,1W	980	10,9W	686	50°	<b>EH93</b> 01-15
9,1W	805	11,4W	645	80°	<b>EH96</b> 01-15

EH87, EH88, EH89, EH90, EH91, EH92: Opti Beam Lens  
EH93, EH94, EH95, EH96, EH97, EH98: Opti Beam Reflector  
Class of Insulation II  
These codes can be used at a maximum environment temperature of 50°C. If environment temperature exceeds 40°, the emitted luminous flux is automatically reduced.



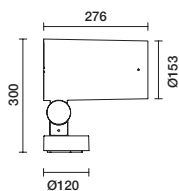
source		system		optic	code colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
9,7W	1050	12,8W	525	8°	<b>Q723</b> 01-15
12W	1750	14,3W	1400	14°	<b>Q726</b> 01-15
12W	1750	14,3W	1348	24°	<b>Q729</b> 01-15
14W	2000	16,1W	1460	46°	<b>Q732</b> 01-15
14W	2050	16,1W	1722	80°	<b>Q735</b> 01-15
3000K - CRI 80 - DALI					
9,7W	950	12,8W	475	8°	<b>Q722</b> 01-15
12W	1700	14,3W	1360	14°	<b>Q725</b> 01-15
12W	1700	14,3W	1309	24°	<b>Q728</b> 01-15
14W	1950	16,1W	1424	46°	<b>Q731</b> 01-15
14W	1950	16,1W	1638	80°	<b>Q734</b> 01-15
2700K - CRI 80 - DALI					
9,7W	1050	12,8W	525	8°	<b>Q721</b> 01-15
12W	1600	14,3W	1280	14°	<b>Q724</b> 01-15
12W	1600	14,3W	1232	24°	<b>Q727</b> 01-15
14W	1850	16,1W	1351	46°	<b>Q730</b> 01-15
14W	1900	16,1W	1596	80°	<b>Q733</b> 01-15

Q721, Q722, Q723, Q724, Q725, Q726, Q727, Q728, Q729: Opti Beam Lens  
Q730, Q731, Q732, Q733, Q734, Q735: Opti Beam Reflector  
Class of Insulation II  
These codes can be used at a maximum environment temperature of 50°C. If environment temperature exceeds 40°, the emitted luminous flux is automatically reduced.



source		system		optic	code colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
16W	2100	18,3W	1680	14°	<b>EI01</b> 01-15
16W	2100	18,3W	1617	24°	<b>EI04</b> 01-15
24W	2900	26,5W	2117	46°	<b>EI07</b> 01-15
24W	3000	26,5W	2520	80°	<b>EI10</b> 01-15
3000K - CRI 80 - DALI					
16W	2050	18,3W	1640	14°	<b>EI00</b> 01-15
16W	2050	18,3W	1579	24°	<b>EI03</b> 01-15
24W	2850	26,5W	2081	46°	<b>EI06</b> 01-15
24W	2950	26,5W	2478	80°	<b>EI09</b> 01-15
2700K - CRI 80 - DALI					
16W	1950	18,3W	1560	14°	<b>EH99</b> 01-15
16W	1950	18,3W	1502	24°	<b>EI02</b> 01-15
24W	2700	26,5W	1971	46°	<b>EI05</b> 01-15
24W	2800	26,5W	2352	80°	<b>EI08</b> 01-15

EH99, EI00, EI01, EI02, EI03, EI04: Opti Beam Lens  
 EI05, EI06, EI07, EI08, EI09, EI10: Opti Beam Reflector  
 Class of Insulation II  
 These codes can be used at a maximum environment temperature of 35°C

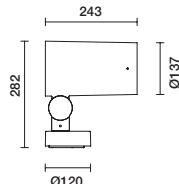


source		system		optic	code colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
42W	6400	47,3W	4800	16°	<b>EF50</b> 01-15
42W	6400	47,3W	4864	30°	<b>EF52</b> 01-15
42W	6400	47,3W	4928	48°	<b>EF54</b> 01-15
43W	6400	48,5W	5440	76°	<b>EF56</b> 01-15
3000K - CRI 80 - DALI					
42W	6250	47,3W	4688	16°	<b>EF49</b> 01-15
42W	6250	47,3W	4750	30°	<b>EF51</b> 01-15
42W	6250	47,3W	4813	48°	<b>EF53</b> 01-15
43W	6250	48,5W	5313	76°	<b>EF55</b> 01-15

Opti Beam Reflector  
 Class of Insulation II  
 These codes can be used at a maximum environment temperature of 50°C. If environment temperature exceeds 40°, the emitted luminous flux is automatically reduced.

<b>LED</b>					
4000K - CRI 80 - DALI					
53W	7550	58,9W	5663	16°	<b>EI76</b> 01-15
53W	7550	58,9W	5738	30°	<b>EI78</b> 01-15
53W	7550	58,9W	5814	48°	<b>EI80</b> 01-15
53W	7450	58,8W	6333	76°	<b>EI82</b> 01-15
3000K - CRI 80 - DALI					
53W	7350	58,9W	5513	16°	<b>EI75</b> 01-15
53W	7350	58,9W	5586	30°	<b>EI77</b> 01-15
53W	7350	58,9W	5660	48°	<b>EI79</b> 01-15
53W	7250	58,8W	6163	76°	<b>EI81</b> 01-15

Opti Beam Reflector  
 Class of Insulation II  
 These codes can be used at a maximum environment temperature of 35°C



source		system		optic	code colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
12W	1200	15,6W	648	4° / 6°	<b>EI66</b> 01-15
15W	2050	18,1W	1230	10°	<b>EF38</b> 01-15
17W	2600	20,4W	2054	18°	<b>EF40</b> 01-15
17W	2600	20,4W	2054	28°	<b>EF42</b> 01-15
27W	3750	31,3W	2963	44°	<b>EF44</b> 01-15
27W	3750	31,3W	3375	80°	<b>EF46</b> 01-15
3000K - CRI 80 - DALI					
12W	1050	15,6W	567	4° / 6°	<b>EI65</b> 01-15
15W	2000	18,1W	1200	10°	<b>EF37</b> 01-15
17W	2550	20,4W	2015	18°	<b>EF39</b> 01-15
17W	2550	20,4W	2015	28°	<b>EF41</b> 01-15
27W	3650	31,3W	2884	44°	<b>EF43</b> 01-15
27W	3650	31,3W	3285	80°	<b>EF45</b> 01-15

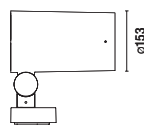
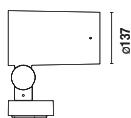
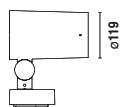
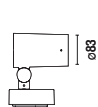
EI65, EI66, EF37, EF38, EF39, EF40, EF41, EF42: Opti Beam Lens  
 EF43, EF44, EF45, EF46: Opti Beam Reflector  
 Class of Insulation II  
 These codes can be used at a maximum environment temperature of 50°C. If environment temperature exceeds 40°, the emitted luminous flux is automatically reduced.

<b>LED</b>					
4000K - CRI 80 - DALI					
23W	3200	25,7W	2528	18°	<b>EI68</b> 01-15
23W	3200	25,7W	2528	28°	<b>EI70</b> 01-15
34W	4350	38W	3437	44°	<b>EI72</b> 01-15
34W	4350	37,9W	3915	80°	<b>EI74</b> 01-15
3000K - CRI 80 - DALI					
23W	3100	25,7W	2449	18°	<b>EI67</b> 01-15
23W	3100	25,7W	2449	28°	<b>EI69</b> 01-15
34W	4250	38W	3358	44°	<b>EI71</b> 01-15
34W	4200	37,9W	3780	80°	<b>EI73</b> 01-15




EI67, EI68, EI69, EI70: Opti Beam Lens  
 EI71, EI72, EI73, EI74: Opti Beam Reflector  
 Class of Insulation II  
 These codes can be used at a maximum environment temperature of 35°C

# Palco InOut











∅ 83 / ∅ 119 / ∅ 137 / ∅ 153



## Mounting accessories

	code	colour	code	colour	code	colour	code	colour
 Spike for ground / garden application	<b>X272</b>	00	<b>X272</b>	00	---	---	---	---
 multiple support for 2 floodlights	<b>6014</b>	15	<b>6014</b>	15	<b>6014</b>	15	<b>6014</b>	15
 multiple support for 3 floodlights	<b>6015</b>	15	<b>6015</b>	15	<b>6015</b>	15	<b>6015</b>	15

## Optical accessories

	code	colour	code	colour	code	colour	code	colour
 Accessory support frame	<b>X245</b>	01-15	<b>X246</b>	01-15	<b>X302</b>	01-15	<b>X303</b>	01-15
 Honeycomb louvre								
IP66	<b>X257</b>	04	<b>X258</b>	04	<b>X308</b>	04	<b>X309</b>	04
 Blade louvre	<b>X267</b>	04	<b>X268</b>	04	<b>X314</b>	04	<b>X315</b>	04
 diffuser glass								
IP66	<b>X265</b>	65	<b>X266</b>	65	<b>X312</b>	65	<b>X313</b>	65
 Refractor for elliptical distribution								
IP66	<b>X261</b>	24	<b>X262</b>	24	<b>X310</b>	24	<b>X311</b>	24
 45° cylindrical screen	<b>X253</b>	04	<b>X254</b>	04	<b>X306</b>	04	<b>X307</b>	04
 Cylindrical screen	<b>X249</b>	04	<b>X250</b>	04	<b>X304</b>	04	<b>X305</b>	04
 Frame (Horizontal directional fins)	---	---	<b>X320</b>	04 for x269	<b>X321</b>	04 for X316	<b>X322</b>	04 for X317
 Single directional fin	---	---	<b>X269</b>	04	<b>X316</b>	04	<b>X317</b>	04
 Protection grille	---	---	<b>X275</b>	78	<b>X318</b>	78	<b>X319</b>	78





ø 30



ø 116

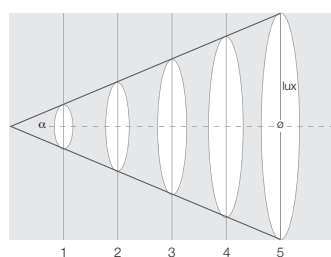


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- Floodlight luminaire intended for use with LED light sources.
- Floor, wall and pole mount installation.
- Comprising an optical compartment and base strip in die-cast aluminium and transparent tempered sodium-calcium safety glass.
- Adjustable optical compartment in the horizontal plane (+90°/-50°).
- Graduated scale and mechanical aiming lock.
- Dual A2 stainless steel cable gland complete with output power supply cable.
- Ø116mm product with built-in DALI power supply unit.
- Ø30 mm Insulation class III, Ø116 mm Insulation class II.
- IP66 / IK07
- All external screws used are in A2 stainless steel.

## Lighting values - ø 30



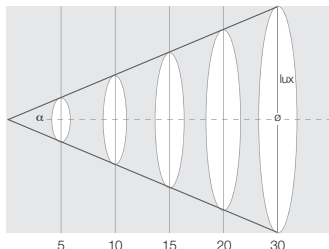
m	ø 2 (α = 9°)		ø 3 (α = 13°)		ø 4 (α = 17°)		ø 5 (α = 22°)	
	ø	lux	ø	lux	ø	lux	ø	lux
1	0,15	270	0,23	263	0,3	213	0,38	182
2	0,3	64	0,46	66	0,6	53	0,76	45
3	0,47	27	0,68	27	0,9	24	1,17	19
4	0,63	15	0,91	15	1,2	14	1,55	11
5	0,78	10	1,14	9	1,5	8	1,94	7

**Metal gobo**  
Available with four different diameters, built into the product to create circular shapes.



Photometric data refer to the Metal gobos (ø 2 / ø 3 / ø 4 / ø 5) supplied with the appliance and a colour temperature of 3000K.

**Lighting values and lighting effects - ø 116**



m	ø 30 (α = 20°)		ø 40 (α = 25°)	
	ø	lux	ø	lux
5	1,70	320	2,30	275
10	3,35	80	4,61	64
15	5,02	36	6,65	28
20	6,70	20	9,25	16
30	10,04	9	13,8	7

**Metal gobo**

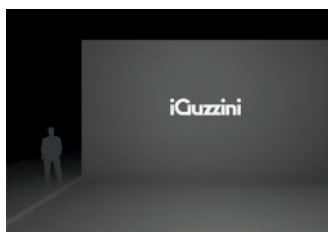
Available in two different diameters; integrated with the product to create circular shapes.



Photometric data refer to the Metal gobos (ø 30 and ø 40) supplied with the appliance and a colour temperature of 3000K. For Ta40 versions, performance is reduced by 13%

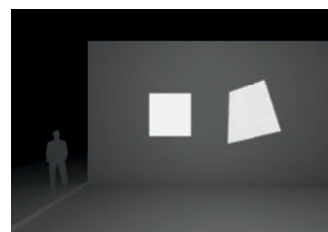
**Customised Gobo**

In steel or dichroic glass. Ideal for projecting wording, logos or custom images on to walls (on request).



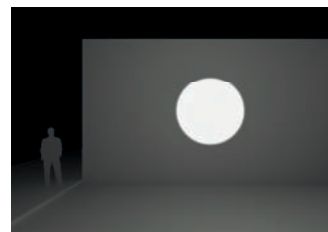
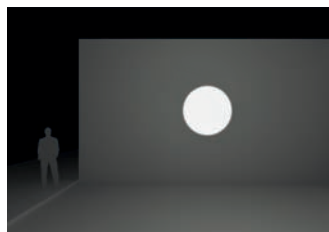
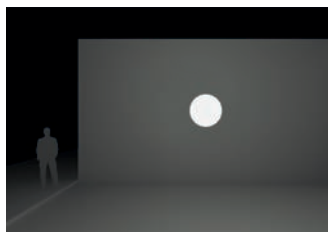
**Shaper**

Integrated into the product to create square or rectangular variable-side geometries.



**Iride**

This accessory is used to create variable circular light beam measurements (MXQ1).



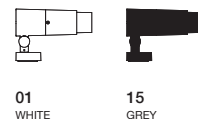
**Palco InOut system**

The ø 116 framer can be installed on walls and on poles (page 512)





# Palco InOut Framer

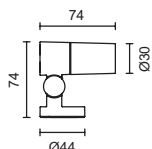


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**new**  
 ø 30: Available  
 ø 116: Available from March



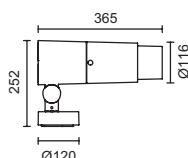
source		system		code	colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - On/off					
3W	290	3,4W	20	EN22	01-15
3000K - CRI 80 - On/off					
3W	260	3,4W	18	EN21	01-15
2700K - CRI 80 - On/off					
3W	250	3,4W	18	EN20	01-15



Class of Insulation III  
 Power supply to be ordered separately  
 These codes can be used at a maximum environment temperature of 50°C



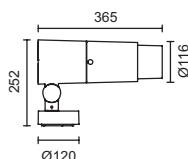
source		system		code	colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
30W	4000	34W	1120	EN25	01-15
3000K - CRI 80 - DALI					
30W	3900	34W	1090	EN24	01-15
2700K - CRI 80 - DALI					
30W	3800	34W	1060	EN23	01-15



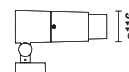
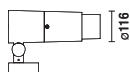
Class of Insulation II  
 These codes can be used at a maximum environment temperature of 35°C



source		system		code	colour
W	lm	W	lm		
<b>LED</b>					
4000K - CRI 80 - DALI					
30W	3500	34W	980	EN28	01-15
3000K - CRI 80 - DALI					
30W	3400	34W	950	EN27	01-15
2700K - CRI 80 - DALI					
30W	3300	34W	924	EN26	01-15



Class of Insulation II  
 These codes can be used at a maximum environment temperature of 50°C. If environment temperature exceeds 40°, the emitted luminous flux is automatically reduced.



Mounting accessories		code	colour	code	colour
	Spike for ground / garden application	X270	00	X272	00
	Spike for ground / garden application with driver	X323	04	---	---
	multiple support for 2 floodlights	---	---	6014	15
	multiple support for 3 floodlights	---	---	6015	15
	Support for adjustable gobos	---	---	X457	00

Optical accessories		code	colour	code	colour
	Support complete with iris	---	---	MXQ1	00

Piazza Giacomo Leopardi, Recanati, Italy  
 Photo: Giuseppe Saluzzi